
# INTERNATIONAL TROPICAL TIMBER ORGANIZATION

## ANNUAL REVIEW AND ASSESSMENT

## OF THE WORLD TIMBER SITUATION

# 2003

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# TABLE OF CONTENTS

## Figures



## Tables



## Box

# SUMMARY

This Review provides data on production and trade of tropical forest products and the status of tropical forests in ITTO member countries, as well as overview statistics of production and trade of all timber products in these countries. Data are presented up to and including 2003 based on projections or estimates made in the third quarter of that year; these estimates should be viewed with caution due to the poor or missing data provided by many countries. 2002 is used as the base year for analysis and comparisons as this is the latest year for which reliable data for most countries were available at the time of preparation. Statistics comparing tropical to all timber production and trade for all 58 ITTO member countries in 2002 are given in Table 1.

**Production**

Production of tropical industrial roundwood (logs) in ITTO producer countries totalled over 135 million $m^3$ in 2002, a 3% decrease from 2001. Log production further declined to 133 million $m^3$ in 2003. Tropical log production was equivalent to 12% of total industrial roundwood production from all forests in all ITTO member countries in 2002. The proportion of logs domestically processed in Africa declined slightly from 77% in 2002 to 76% in 2003. The Asian figure for domestic processing averaged 92% over the same period. This reflects increasing populations, growing economies and the emphasis on exporting value-added products in this region. Latin American countries processed virtually all tropical logs harvested in 2002-2003.

Tropical sawnwood production by ITTO producers totalled just below 34 million $m^3$ in 2002, slightly up by 0.3% from 2001 levels. In 2003 sawnwood production remained stable. Tropical hardwood veneer production in producer countries dropped 4.7% to 2.2 million $m^3$ in 2002. The decline was due to a sharp decrease in Côte d'Ivoire's veneer production. Production rebounded 4.2% to almost 2.3 million $m^3$ in 2003 due to production increases in Ghana and the Philippines. ITTO producer countries' plywood production decreased by 4.6% in 2002 to 13.5 million $m^3$. This decrease was due mainly to a 10% decrease in Indonesia (the world's largest producer of tropical plywood). Plywood production in producer countries further declined to 13.4 million $m^3$ in 2003.

ITTO consumer countries also produced substantial quantities of tropical timber products in 2002. China (825 000 $m^3$) and Australia (100 000 $m^3$) together produced an estimated total of 925 000 $m^3$ of logs from their tropical regions. Consumer countries produced just over 1.2 million $m^3$ of sawnwood, 0.5 million $m^3$ of veneer and 5.8 million $m^3$ of plywood in 2002, all (with the exception of China and Australia) from imported tropical logs. With the exception of plywood, production levels of all tropical products in ITTO consumer countries decreased in 2003.

**Imports**

Tropical hardwood log imports by ITTO consumer countries decreased by 3.3% in 2002, to 12.9 million $m^3$. The decline was due to decreases in French and Japanese tropical log imports, and a Chinese market that levelled off after several years of steadily growing imports. If imports by producing members are taken into account, total 2002 tropical log imports by ITTO members were almost 15.7 million $m^3$, 9.2% less than in 2001. The 2002 total log import figure is 2.5 million $m^3$ higher than total ITTO exports, with this gap decreasing to around 2.4 million $m^3$ in 2003. This balance is presumably provided by non-ITTO log suppliers, although under-reporting of log exports, misclassification of imports and/or statistical errors can also contribute to such gaps. Major non-ITTO tropical log suppliers include Equatorial Guinea and the Solomon Islands, with exports averaging over 450 000 $m^3$ per year each.

**Table 1. ITTO Summary Statistics (2002, millions)**

| | Logs | | | Sawnwood | | | Veneer | | | Plywood | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | All | Tropical | (%) | All | Tropical | (%) | All | Tropical | (%) | All | Tropical | (%) |
| Production ($m^3$) | 1 172.7 | 136.4 | (12) | 308.1 | 35.2 | (11) | 6.7 | 2.7 | (40) | 52.3 | 19.3 | (37) |
| Imports ($m^3$) | 115.6 | 15.7 | (14) | 102.9 | 10.1 | (10) | 3.1 | 1.2 | (37) | 17.7 | 10.3 | (58) |
| Imports ($) | 8 657.8 | 2 402.1 | (28) | 21 356.1 | 3 077.0 | (14) | 2 211.3 | 515.8 | (23) | 6 333.5 | 3 447.6 | (54) |
| Exports ($m^3$) | 56.3 | 13.2 | (23) | 90.5 | 9.1 | (10) | 3.3 | 1.4 | (43) | 17.6 | 11.3 | (64) |
| Exports ($) | 4 948.9 | 1 823.2 | (37) | 19 015.3 | 2 923.3 | (15) | 2 055.8 | 512.2 | (25) | 5 792.2 | 3 491.5 | (60) |

China's imports remained stable in 2002, at nearly 7 million $m^3$ (54% of all consumer country log imports), maintaining its position as the world's largest importer of tropical logs. In contrast, Japan's imports of tropical logs decreased 5% to slightly over 2 million $m^3$ in 2002, declining a further 4% in 2003 due to its contracting economy, reduced supplies from Malaysia, competition from China for available log supplies, and its increasing reliance on softwood logs for plywood manufacture. India, Malaysia, Thailand and the Philippines are the major ITTO producing country log importers, accounting for 96% of total producer imports of 2.8 million $m^3$ in 2002. Of these major producer country importers, only Thailand increased log imports in both 2002 and 2003.

China also continued as the world's largest tropical sawnwood importer in 2002, despite a slight decline of 1% in imports to under 2.9 million $m^3$. Thailand's imports (which more than halved in 1998) surged by 43% to 1.4 million $m^3$ in 2002 as its economy and secondary wood processing industry continued to recover. Japan's imports of tropical sawnwood decreased 9% to 547 000 $m^3$ in 2002, and declined a further 10% to 491 000 $m^3$ in 2003. Imports of tropical sawnwood by consumer countries declined slightly by 0.4% in 2002 to 7.7 million $m^3$, but surged 11.4% to 8.6 million $m^3$ in 2003 led by a jump in imports by China. Increased imports by producers led total ITTO tropical sawnwood imports to increase 5.3% to 10.1 million $m^3$ in 2002. Total imports further increased to 11.3 million $m^3$ in 2003 due to improved demand in both producer and consumer country markets.

Total ITTO tropical veneer imports decreased 6.5% to just under 1.2 million $m^3$ in 2002, followed by an increase of 14.6% in 2003. Korea became the largest ITTO tropical veneer importer in 2002, overtaking China, with 240 000 $m^3$. It consolidated this position with a 39% increase to 334 000 $m^3$ in 2003. Meanwhile, China's imports dropped 45% to 161 000 $m^3$ in 2002 and a further 23% to 124 000 $m^3$ in 2003 as it met its veneer needs increasingly via production from imported tropical logs. The EU absorbed 288 000 and 299 000 $m^3$ of tropical veneer in 2002 and 2003, over one-fifth of total ITTO imports. Japan imported 39 000 $m^3$ of tropical veneer in 2002, a 13% decrease from 2001 levels, further decreasing by 21% in 2003 to 31 000 $m^3$. Formerly a major tropical veneer importer, Japan is now less significant than producer countries like the Philippines and Malaysia.

Tropical plywood imports are still led by Japan, where imports increased by 2% to 4.6 million $m^3$ in 2002. Imports continue to replace domestic production of tropical plywood in Japan due to reduced availability of tropical logs and relatively low prices of imported plywood. Japan's imports made up almost 45% of total ITTO imports of 10.3 million $m^3$ in 2002. Tropical plywood imports by ITTO members decreased to just below 9.7 million $m^3$ in 2003.

## Exports

ITTO producer countries exported nearly 13.1 million $m^3$ of logs worth $1.8 billion in 2002 with Malaysia providing just over one-third of this volume, down from almost three-quarters of the ITTO total in the early 1990s. Producer log exports in 2002 decreased 20% from 2001 levels, but rose 2.3% to 13.4 million $m^3$ in 2003, still less than half the level exported just over a decade ago. Sawnwood exports by producer members were up by 2.3% to slightly below 8.6 million $m^3$ (worth $2.6 billion) in 2002, decreasing to nearly 8.5 million $m^3$ in 2003. Exports from African and Asia-Pacific countries fluctuated in 2002 and 2003, with only Latin American exports following a steady upward trend. Veneer exports from ITTO producer countries increased 8% in 2002 to nearly 1.3 million $m^3$, worth $374 million, but declined by 1.7% in 2003. Tropical plywood exports by producer members in 2002 declined by 4.6% to nearly 10.3 million $m^3$, worth nearly $3.1 billion, with Indonesia (5.5 million $m^3$) and Malaysia (3.6 million $m^3$) accounting for almost 90% of this total. Exports rose to 10.4 million $m^3$ in 2003, with the increase due mainly to expansion of the Malaysian industry.

ITTO consumer countries also exported or re-exported substantial quantities of tropical timber in 2002, led by sawnwood and plywood exports of 561 000 $m^3$ ($289 million) and 991 000 $m^3$ ($417 million) respectively. Log and veneer exports were smaller (141 000 $m^3$/ $49 million and 144 000 $m^3$/$138 million respectively in 2002). Exports of tropical veneer and plywood by consumers increased in 2003, while log and sawnwood exports declined. Growth of China's tropical plywood exports has been rapid, reaching 437 000 $m^3$ in 2002, a 130% surge from 2001 levels, and further increasing by 19% in 2003 to 520 000 $m^3$. Brazil remains the third largest exporter of tropical plywood in the world, but China is rapidly catching up.

## Prices

Real prices for most primary tropical timber products and species strengthened during 2003, especially in the second half of the year, as availability of raw materials shrank, global economies improved and consumer confidence improved in most markets.

African log and sawnwood prices held on to gains made in 2002, with some species reaching highs for the two-year period in 2003. African timber products are generally priced in euros and, with the appreciation of the euro against the US dollar, prices for logs and sawnwood showed significant gains over tropical wood products traded from South East Asia which are traditionally priced in US dollars. However, the gains were not solely the result of currency movements: shortages in supply of certain species also drove up prices. Political unrest in Central African Republic, Côte d'Ivoire and Liberia, UN trade sanctions against Liberian log exports, bans on exports of ayous and azobe logs, tax increases in several countries and rising freight rates all combined to force many producers to push for higher prices. Sharper price gains were deterred by sluggish demand in the European market.

Despite the tight supply of Asian logs heightened by restrictions on log exports in Indonesia, prices for these products generally remained flat in 2003, held down by subdued consumption in Japan, the main destination for South East Asian logs, and by the price leadership taken by Chinese buyers who have been bidding down prices at every opportunity. Prices of logs from natural forests in Asia (mostly destined for the Japanese and Chinese markets) were still around 30% below the levels of early 1997 despite some marginal gains recorded towards year-end. In stark contrast to other Asian logs, prices for rubberwood logs for domestic consumption in the export oriented furniture sector moved up significantly in 2003. With the continuing trend to replace rubber plantations with more profitable oil palm plantations, rubberwood supply had been falling while the demand from furniture manufacturers had been increasing.

Prices for Asian and African tropical sawnwood in most cases continued their rising trend in 2003 and in some instances (e.g. khaya and iroko) moved to record highs. Price gains were largely due to various restrictions on trade, including the ban on logging of mahogany in Brazil, the inclusion of this species in Appendix II of CITES in late 2003 and the halt in iroko log exports from Côte d'Ivoire. The USA continued absorbing most of the khaya (also known as African mahogany) made available in the market as the supply of South American mahogany, strongly favoured by US consumers, was markedly restricted. European consumers were showing a resurgence of interest in red/brown timbers for furniture manufacture in 2002/2003, and this was reflected in higher prices for these timbers. Asian sawnwood had been very competitive in the EU compared to African timbers. Sapele, for instance, was losing market share to dark red meranti in the last quarter of 2003 due to the far more attractive price level for the latter. European countries were increasing imports of sawn and further processed tropical products at the expense of logs and shifting manufacturing facilities to lower cost countries in Eastern Europe in order to address increasing production costs. The strength of the euro had raised the relative costs of wood processing in the EU.

After a slight decline in early 2003, prices for Asian plywood were rising for most of the year. In mid-2003, Japanese authorities revised the Building Standard Law under the Japan Agricultural Standards regarding formaldehyde emission control. Malaysia and, particularly, Indonesia, were late in addressing the regulation change, resulting in much reduced exports to Japan in the first half of the year. By year-end, most Asian manufacturers had complied with the new standards and benefited from a slight increase in prices. The firming prices reflected continuous shortages in log availability, better control of illegal logging in Indonesia and elsewhere, and rising freight rates. Large importers began switching from Indonesian plywood in 2002/2003 due to concerns over illegal logging despite some improvements in controls. The European Commission was developing a scheme for the issuing of "legality licenses" for all timber exported to the EU. Indonesia was expected to be one of the first participants under this scheme. Japan, Indonesia's largest plywood importer, is considering the development of a similar system. The impacts of such schemes on demand, supply and prices of plywood is still uncertain.

Prices of Brazilian plywood surged in the second half of 2003 as Brazilian plywood manufacturers began to comply with new EU safety rules on the manufacture of structural plywood ("CE marking"), that take effect on 1 April 2004.

However, strong demand for pine plywood in Europe and especially in the USA encouraged more Brazilian mills to focus on softwood plywood production, with tropical production dropping in 2002 and 2003. Brazilian plywood traders experienced firm prices and exporters in Latin America generally benefited from the strong demand from the construction housing sector in the USA during 2003.

### Secondary Products

Exports of secondary processed wood products (SPWP) by ITTO producers resumed their upward trend in 2002. After contracting 17% in 1998, exports of SPWP by these countries had rebounded by 66% by 2000, led by increases in Indonesia's, Malaysia's, Thailand's and Brazil's exports. SPWP exports, however, suffered another major downturn in 2001, falling by 9% due mainly to a slowdown in the USA economy. SPWP trade by ITTO producers resumed its upward trend in 2002, rising by 9% to $6.4 billion. The top five ITTO producer country exporters of SPWP in 2001 (Indonesia, Malaysia, Thailand, Brazil and the Philippines) accounted for 95% of total ITTO producers' SPWP exports. Indonesia and Malaysia continued consolidating their positions as two of the world's largest SPWP exporters in 2002 with 4% and 8% jumps in exports, respectively.

China continued its spectacular growth in SPWP exports in 2001-2002, sometimes at the expense of ITTO producer exporters. In 2000, China overtook Thailand as Japan's largest supplier and Canada as the world's second largest exporter after Italy. China's exports surged a further 54% by 2002 to over $7.2 billion overtaking Italy as the largest global exporter of SPWP. China's rapid expansion is due largely to its booming exports of wooden furniture to the USA and Japan. This upward trend is expected to continue as more companies from the USA, Taiwan Province of China and other Asian producers continue to establish SPWP joint ventures in Southern China because of its low costs.

Japan and the USA remain the two largest markets for SPWP from ITTO producers, with such products making up 31% and 18% of their total SPWP markets respectively in 2002. However, these shares have declined (from 35% in Japan and 20% in the USA) since 1997. The USA is the main partner of ITTO producers in value terms ($3 billion in 2002) and its market has been the engine driving SPWP (mainly furniture) trade, growing almost four-fold in the last decade and up by 65% in the last five years. Although ITTO producer countries accounted for only 11% of the total EU market for SPWP in 2002, the magnitude of this huge market meant that the value of this share ($2.1 billion) was over 2.3 times the value of their Japanese market share and 72% of the value of their share of the USA market. In 2002, imports of SPWP by ITTO consumers from ITTO producers were worth $6.7 billion, equivalent to an estimated 79% of the value of their imports of primary tropical timber products from these countries, a new high for this ratio.

# INTRODUCTION

## Overview

This report reviews developments in the global timber sector and markets, with a focus on tropical timber, in 2003. It contains data series on production and trade for 1999-2003, with a focus on the past three years. 2002 is used as the base year for all global comparisons and ITTO summary totals as this is the latest year for which reasonably reliable data for most countries were available at the time of preparation.

In 2003 the global tropical timber sector continued to evolve, with many important markets continuing to move in different directions. China's increasing imports continued to drive the tropical log market, with the country now a major plywood exporter based on imported logs. Japan's tropical plywood imports are still relatively stable, but domestic production is plummeting along with tropical log imports, while coniferous plywood imports and production steadily increase. Many producer countries continued their shift to secondary processed products exports in 2003, with trade in these products continuing to rise toward the level of primary tropical timber products trade.

In international forest policy developments in 2003, ITTO participated actively in the work of the UN Forum on Forests (UNFF) and the Collaborative Partnership on Forests (CPF) established to facilitate its work. ITTO also participated in and hosted a side event at the World Forestry Congress in Quebec City. The Organization undertook missions to several member countries to promote sustainable forest management. ITTO also strengthened its collaboration with the various processes aimed at establishing criteria and indicators for ascertaining the status of forest management (Montreal, Tarapoto, ATO etc.) and worked to convene an international expert meeting on this topic together with FAO in early 2004. ITTO convened a further six national level field training workshops to encourage forest management unit level reporting based on its Criteria and Indicators for the Measurement of Sustainable Management of Tropical Forests in 2003. These were attended by over 200 forest concessionaires and related forest managers. ITTO also undertook case studies on forest law enforcement (FLE) and comparison of import/export statistics for wood products in several countries in 2003 under Council decision Decision 6(XXXI). Full reports on all these activities are contained in separate reports to the Council or available from the Secretariat.

Partly due to concerns over FLE and legality of timber supplies, timber certification remained a topical issue in 2003. Forestry operations in many countries were seeking some form of certification, either through the Forest Stewardship Council (FSC) or the Programme for the Endorsement of Forest Certification Schemes (PEFC), or via other avenues (e.g. ISO 14000, national standards authorities, etc.). Tropical countries are increasingly developing national schemes, led by Malaysia's national Timber Certification Council (MTCC) and Indonesia's ITTO-supported Ecolabelling Institute (LEI), both of which continued steps to market certified tropical forest products with their own labels in 2003. Malaysia moved closer to being able to market FSC certified wood, reaching agreement with that Organization on a set of Principles, Criteria and Indicators for assessing forest management. Several other tropical countries are seeking support from ITTO and others for the development of national certification schemes. The proliferation of national schemes has led to numerous calls for a framework for mutual recognition between schemes and ITTO has been active in attempting to facilitate agreement on such a framework. A detailed summary of recent developments in timber certification is included in the ECE Timber Committee's Forest Products Annual Market Review, 2003-2004 (see Appendix 6).

Many other relevant developments have occurred in 2003 in ITTO member countries. This Review attempts to summarize some of these in relation to their impacts on the production and trade of tropical timber.

## Scope and Structure

This Review includes data appendices on total timber production volumes and trade volumes/ values for all ITTO members. These data are included to assist placing tropical timber in a global context, as called for in the ITTA (1994). However, as recommended by the 1997 Technical Working Group on ITTO's Statistical Functions, the focus of the Review remains on tropical timber. The Review consists of four substantive

chapters. The first chapter summarizes developments in major markets for tropical timber. This chapter includes a discussion of current and projected economic conditions in many countries. The second chapter provides an analysis of production, consumption, trade and prices for the primary tropical timber products covered by the ITTA (tropical logs, sawnwood, veneer and plywood). This chapter also provide details of the production and trade of pulp and paper and reconstituted panels in tropical countries, in so far as data for these products are available. A third chapter describes trade in secondary processed wood products (SPWPs) with a focus on tropical countries where these products are playing an ever greater role. The final chapter of the Review provides brief notes of relevant trends and developments in ITTO member countries not covered elsewhere.

## Data Sources and Limitations

Statistics in the Review have been derived from members' responses to the 2003 Joint Forest Sector Questionnaire (JQ) wherever possible; the JQ can be downloaded from the ITTO website (www.itto.or.jp) and includes definitions of all products covered here. ITTO is responsible for sending the JQ to all of its producer members, plus Japan, while responses from other consumer members were forwarded from JQ partner agencies (UN-ECE, Eurostat and FAO). The number of countries responding to the 2003 JQ was down from the response level in 2002, with only 22 of 32 producer countries (25 of 31 in 2002) and 20 of 26 consumer countries (23 of 26 in 2002) providing at least partial responses. Belgium, Brazil, Cambodia, Cameroon, Central African Republic, Gabon, Greece, Ireland, Liberia, Myanmar, Nigeria, Papua New Guinea, Spain and Vanuatu did not respond to the 2003 JQ or numerous follow-up queries.

Unless otherwise noted, all value units quoted in this Review are in nominal US dollars, while volumes are reported in cubic meters. "Tropical timber," as specified in the ITTA (1994), includes only tropical hardwood saw and veneer logs, sawnwood, veneer and plywood. This Review includes tropical softwoods (coniferous species), which are of growing importance to many countries, in the figures given for all timber.

As trade figures for saw and veneer logs are impossible to collect from existing customs classification systems, which do not distinguish between different types of industrial roundwood, figures for log trade and production given in the Review now refer to total industrial roundwood. Products such as pulp and paper and reconstituted panels (not included in the ITTA definition of tropical timber) have been included in the analysis as they are important components of forest production and/or trade in several tropical countries.

Estimates of trade figures for Hong Kong and Macau Special Administrative Regions and Taiwan Province of China have been largely based on UN COMTRADE data (if available) since none of the three provide statistics directly to ITTO. Trade flow statistics for many developed countries were also derived from COMTRADE (or the corresponding EU database, COMEXT) since most developed countries do not complete the direction of trade tables in the JQ. This often causes difficulties when the aggregate totals given by the countries in the JQ do not coincide with the corresponding trade figures reported in these databases.

As in previous years many of the statistics that were received from members via the JQ contained significant and obvious errors in one or more data categories. Only 8 producer and 13 consumer members met the 15 August 2003 deadline for responding to the JQ and several of the remaining 21 responses only arrived at ITTO Headquarters between September and late October, allowing insufficient time for analysis and to request/receive clarifications where necessary. Table 2 shows a breakdown of responses to the JQ, illustrating the problems that many countries still have in providing information to ITTO and providing a subjective indicator of the quality of the data on which this Review is based.

Many members substantially revised statistics for 2001-2002 submitted in the 2003 JQ from those submitted in previous years. This, together with the detection of errors, resulted in several modifications and amendments to statistics, so the data series presented here can differ (sometimes substantially) from those in previous editions of the Review.

Several supplementary sources were consulted to verify members' responses to the JQ, to fill in incomplete or obviously incorrect responses and to provide data for non-responding countries. These supplementary sources are listed in the References as well as in the notes preceding the Appendices. Estimates of production and trade

| Table 2. Data Quality Indicators | |
|---|---|
| No responses:<br>(14 of 58 countries) | Belgium, Brazil, Cambodia, Cameroon, Central African Republic, Gabon, Greece, Ireland, Liberia, Myanmar, Nigeria, Papua New Guinea, Spain, Vanuatu |
| Good responses:<br>(12 of 44 countries) | Bolivia, France, Honduras, Japan, Netherlands, New Zealand, Norway, Suriname, Sweden, Togo, United Kingdom, United States<br>• All major sections complete<br>• Internally consistent (material balance, year on year trends, unit values, compatibility between tables)<br>• More or less consistent with trade partner reports |
| Incomplete or erroneous responses:<br>(32 of 44 countries) | • Tropical trade data missing or unusable: 10 of 22 Consumer responses<br>• Tropical production data missing or unusable: 11 of 22 Consumer responses<br>• Production data missing or unusable: 5 of 22 Producer responses<br>• Tropical species trade data missing or unusable: 7 of 22 Producer responses; 9 of 22 Consumer responses |

were, where possible, derived for incomplete responses and non-responding countries based on direction of trade statistics reported by trading partners, information on processing capacity (if available) and the other sources listed. Comparisons with global totals or totals for all tropical countries for primary products are based on statistics from the FAOSTAT database, the latest summary of global forest statistics available. All other data used in the preparation of the Review are compiled in Appendices 1 - 5.

Most members that responded to the 2003 JQ reported at least some categories of data for both 2001 and 2002. Many members failed, however, to report any partial year data or forecasts for 2003; caution should therefore be used when interpreting the estimates for these countries and the ITTO totals for 2003 given here. Countries for which estimates were made (or alternate sources used) are identified by the superscripts used in the Appendices.

Despite the best efforts of the Secretariat to ensure data consistency and accuracy it should be noted that considerable discrepancies exist between available data sources in many categories, for both producing and consuming countries. The final statistics compiled for presentation here are the result of analysis and synthesis of the available data sources by the Secretariat, and of consultations with member countries and other agencies.

The assistance of those countries which responded to the 2003 Joint Forest Sector Questionnaire is gratefully acknowledged, as is the support of the FAO Forestry Department, the UN-ECE Timber Section, Eurostat Unit F-1, the United Nations Statistical Office, the Japan Lumber Importers' Association, the Japan Plywood Manufacturer's Association and the ITTO Market Information Service in providing relevant primary and supplementary data for the Review.

# MARKET DEVELOPMENTS

This chapter provides a brief analysis of general developments in tropical timber markets as well as an overview of tropical timber trade in 2002-2003. The analysis is based on responses to the JQ submitted by members, International Monetary Fund (IMF) statistics and a review of other available literature.

## Economic Developments

In late 2003, the IMF reported that global output (real GDP) grew by 3% in 2002, up from the 2.4% achieved in 2001. The global economy continued recovering from the slowdown in all major economies in 2001 (when growth fell from 4.8% in 2000). The global economic recovery continued throughout 2003, when the IMF projected global growth had improved to 3.2%. The recovery was expected to accelerate in 2004, with the IMF estimating global growth of 4.1%.

In 2002, GDP of all developing countries grew by 4.6%, well above the 1.8% growth achieved in advanced economies and just below the 4.8% growth in newly industrialized Asian economies (Hong Kong S.A.R., Republic of Korea, Singapore and Taiwan P.O.C., all now included in the IMF's list of advanced economies). The newly industrialized Asian economies, hardest hit by the 2001 slowdown (growth fell from 8.4% in 2000 to 0.8% in 2001), lost pace again in 2003, growing 2.3% that year (less than half the rate of 2002) due to SARS and other regional concerns. The global economic recovery in 2002 drove growth up in Asia but not in Africa or the Western Hemisphere. These regions recovered or remained stable in 2003. The IMF expects output in developing countries to grow by 5.6% in 2004, almost double the 2.9% growth expected in advanced economies.

World trade volume (exports plus imports) surged by 3.2% in 2002, a strong recovery from the global slowdown in 2001 that reduced global trade growth to only 0.1%. Trade growth decelerated slightly in 2003, expanding by 2.9%, about half of average growth over the past decade and during the 1980s. World trade growth is expected to increase to 5.5% in 2004 as the global economy continues to recover. Both developed and developing countries contributed to the surge in trade growth in 2002, with both exports and imports expanding. The slight deceleration in world trade in 2003 was mainly due to lower trade volumes by developing countries, with growth in both exports and imports slowing. Developing country export and import growth decreased from 6.5% and 6% in 2002 to 4.3% and 5.1% in 2003, respectively. Average non-fuel primary commodity prices (US$) rose slightly by 0.6% in 2002 after declining by 4% in 2001. Average non-fuel primary commodity prices rebounded by 5% in 2003 due mostly to the depreciation of the US dollar. The average price of these commodities is projected to grow only 2.4% in 2004 in anticipation of a strengthening of the US currency. After remaining almost flat during the 1980's and declining slightly since the mid-1990's, average primary commodity prices appear to be slowly recovering in 2003-2004.

Many EU economies under-performed the average growth rate of 1.8% for all advanced economies in 2002, with an aggregate increase in real GDP of 0.9%, the lowest in the last decade. Economic growth fell further to 0.5% in 2003 but was projected by the IMF to recover to 1.9% in 2004. The German economy, affected by reunification and high unemployment for much of the 1990s, remained weak, growing only 0.2% in 2002, one of the lowest rates in the EU. German growth was projected to have remained flat in 2003, holding back the region's recovery prospects, before rebounding to 1.5% in 2004. German building permits continued to decline in 2002 to 274 000 units, down 6% from a year earlier. Residential permits were over 195 000 units in 2002. Preliminary statistics for 2003 show a jump of 17.5% in residential permits.

The UK economy also slowed in 2002, growing only 1.9%, down from 2.1% in 2001 and 3.1% in 2000. The UK's economic growth is projected to slow further to 1.7% in 2003 before rebounding to 2.4% in 2004. The economies of France and Italy also showed signs of deceleration in 2002, with growth below average levels for the last decade. In France, GDP growth fell to 1.2% in 2002 and further to 0.5% in 2003 before bouncing back to a projected 2% in 2004. Italy's growth dropped to 0.4% in 2002, down from 1.8% in 2001. Italy's growth rate remained at that level in 2003, and is expected to recover to 1.7% in 2004.

With a 2.4% growth rate in 2002, the United States economy drove up the average growth rate for all advanced economies from 1% in 2001 to

1.8% in 2002. This is in contrast to 2001, when the US economy slowed sharply, growing only 0.3%, the lowest growth rate in the past two decades. Its growth further recovered to 2.6% in 2003 and is projected to surge by 3.9% in 2004. The positive outlook for the US economy follows a sharp rise in government expenditures (up by 4.4%, a two-decade high), rising domestic consumption, tax cuts and currency depreciation that is helping export growth. U.S. inflation continued declining in 2002 to 1.6% after a ten-year high (3.4%) in 2000. Inflation rose to 2.1% in 2003 before declining again to a projected 1.3% in 2004. Unemployment in the USA continued to increase after several years of record lows, rising to 5.8% in 2002 (from 4.8% a year earlier) and further to 6% in 2003. Unemployment is expected to drop to 5.7% in 2004. Housing starts in the USA increased by 6% to 1.7 million units in 2002. Housing starts are expected to rise to a seventeen-year record of 1.88 million units in 2003. The continued strength of housing starts in the USA is largely due to record low interest rates, with over 10 consecutive interest rate cuts made by the Federal Reserve since 2001 to attempt to spur the economy.

The Japanese economy continued its sluggish performance in 2002, with GDP growth of only 0.2% after 0.4% in 2001, one of the lowest growth rates in the developed world. Banking crises continued to shake confidence in the financial sector, contributing to reduced lending and growth. After moves towards deregulation of the financial sector, several fiscal stimulus packages, and the nationalisation of a major bank, the economy is still under performing. Deflation persists with consumer prices falling by an annual average of 0.8% between 2000-2002, while unemployment has more than doubled since the early 1990s, reaching 5.5% in 2003. However, exports rebounded by 8.1% in 2002 after contracting 6% in 2001. Exports surged a further 7.7% in 2003, contributing to a projected GDP growth of 2% in 2003 and 1.4% in 2004. A sharp increase in the value of yen, particularly with respect to the US dollar, may dampen export growth in 2003 and 2004, however. Housing starts in 2002 were down 1.9% from a year earlier at 1.15 million units, of which 44% were wood-framed. Total housing starts are projected to drop nearly 3% in 2003, although wooden housing starts should rise by almost 2%. Housing starts might have fallen further in 2003 if not for the extension of a tax credit for home-buyers during the year.

Figure 1 shows the trends in housing starts (a main determinant of wood demand) for the USA, Japan and the three largest EU economies (France, Germany and the UK) from 1991-2002. The dramatic drop in Japan's housing starts in 1997-98 left starts at post-war lows, with smaller annual declines establishing new lows in 2001 and 2002. Annual housing starts in the main EU economies have also dropped significantly in the past decade, with 2002 starts almost 40% below the highs in the early 1990s. The contrast with the USA's housing market is stark. Figure 1 shows the steady growth in annual US starts since 1991, which (as noted above) shows no sign of abating.

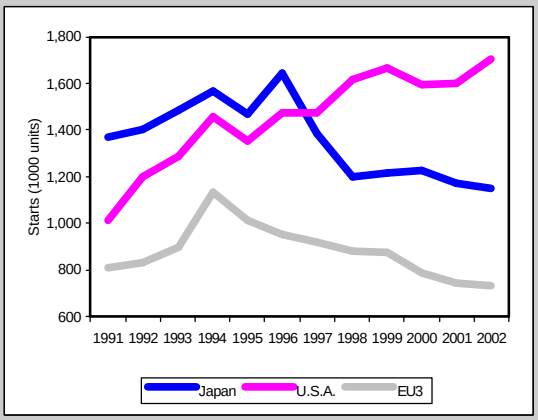


**Fig. 1 Total Housing Starts, 1991-2002**

Figure 2 shows trends in single-family housing starts in the same three regions as in Figure 1. Single-family homes are usually predominantly wooden (in Japan the correlation is almost perfect) and therefore provide a better index of wood demand than overall starts. The chart show that the drop in Japan for this category, while still steep, was not as severe as the overall decline. Single-family home construction in Europe has been relatively stable, while the trend in the US (where single-family homes make up 80% of the total) mirrors the overall increasing trend in Figure 1.

China's economy continued its rapid growth, expanding by 8% and 7.5% in 2002 and 2003 respectively. China's housing policy is changing to encourage private ownership over state-sponsored accommodations, with potentially major implications for housing starts and wood demand. The home mortgage market is growing

rapidly and sales of residential homes have increased by 40-50% per year since 1998. Timber-framed houses are still only a small fraction (<1%) of Chinese housing starts, but demand is steadily increasing. There is also a nascent but rapidly growing home renovation (DIY) sector in China which will contribute to increased wood consumption.

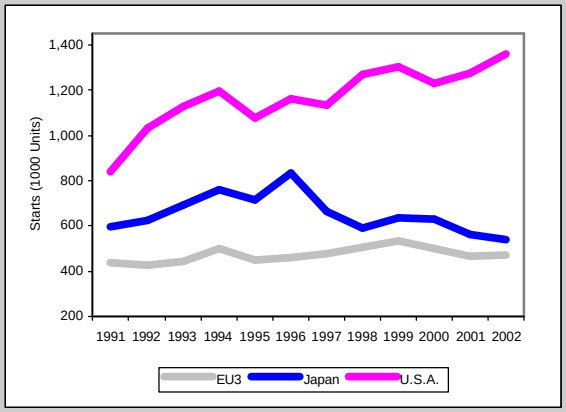


**Fig. 2 Single-Family Housing Starts, 1991-2002**

Developing Asian countries (excluding China and India) continued to grow strongly, with output increasing by 4.4% in 2002, 4.5% in 2003 and a projected 4.8% in 2004. In Africa (sub-Sahara, excluding Nigeria and South Africa), growth slowed to 3.5% in 2002, from 4% in 2001. Growth fell further to 3.3% in 2003 but is expected to nearly double to 6.4% in 2004 due to expected improvement in public finances, competitiveness and security conditions in several countries. Latin America's GDP growth in 2002 was the lowest of all developing regions. The region's economy fell into recession that year with GDP contracting by 0.1%. The recession was primarily due to contractions in the economies of Argentina (-10.9%, as that country defaulted on its sovereign debt), Uruguay (-10.8%), Venezuela (-8.9%) and Paraguay (-3.9%). Growth was also slow in most other countries including Brazil (1.5% in 2002 and 2003). Latin American economic growth is expected to have rebounded to 1.1% in 2003, as the Argentine economy recovered, and to increase to 3.6% in 2004 together with an expected recovery in most countries.

## Tropical Timber Markets and Trade

The direction of trade tables for 2002 in Appendix 2 were derived from responses to the 2003 Joint Forest Sector Questionnaire (JQ) and other sources listed in the notes accompanying the Appendices. Minor trade flows are not included in Appendix 2, with only the top twelve importers and exporters for each product included. Since the introduction of the JQ in 1999, direction of trade statistics are not collected directly from most consumer countries by the UN-ECE. Data for these countries was extracted from the UN COMTRADE or the Eurostat COMEXT databases where available.

Total values (US dollars) of 2001 and 2002 imports and exports by product are summarized in Appendix 1, together with unit values based on reported trade volumes. Value data is reported poorly or not at all by many countries, making the use of supplementary sources essential. Values have in many cases been estimated using average unit values.

Many countries made errors or omissions in providing trade data, particularly by failing to distinguish tropical wood imports and exports from those of all timbers. Many countries also have serious problems in their customs statistics for tropical timber, with misclassification of imports and failure to count tropical species/ products grouped in "Others" categories of customs classification systems common. If available, other data sources were used for these cases. Entries in the tables of Appendix 2 consist of exporters' reports (italicised) and importers' reports (bold). The discrepancies which are illustrated by many of these entries can be due to a number of factors, as detailed in ITTO's ongoing studies of trade statistics discrepancies under Council Decision 6(XXXI). Carelessness or inadequate training of reporting officials or correspondents is often a prime reason; this can only be remedied with better training and supervision, particularly in the application of customs classification systems. Problems with consistency in conversion factors (some countries report weights and/or surface areas instead of volumes) and/or product definitions can explain some discrepancies. Also, different scaling or measurement systems are sometimes used in different countries. Definitions of the reporting period may differ from exporter to importer, or shipments sent at the end of one period may not arrive until the following. Imports destined for re-export may not be correctly recorded, and (re-) exports of tropical timber from non-tropical countries may not be recognized as tropical by the importing country. Finally, timber theft as well as smuggling and transfer pricing to avoid tariffs, quotas and/or taxes have been documented in

several tropical forest products and countries. It is clear that if ITTO is to fulfil its mandate to ensure greater transparency in the tropical timber market, major improvements in the collection and reporting of trade statistics are still required, in both producing and consuming countries. The sections on exports in this and the next chapter use exporters' reports unless stated otherwise; those on imports use importers' reports.

***Exports***

The composition of exports for 2001-2003 from the ITTO producing regions is shown in Table 3. The contribution of logs to total tropical timber exports of ITTO producers (in terms of both value and roundwood equivalent - rwe - volume) has fallen dramatically from over 60% in the 1980s to around a quarter in 2002. Only Africa continues to export a significant volume equivalent of logs compared to processed products, with log exports making up 23% of log production and 50% of total roundwood equivalent export volume in 2002. The Asia-Pacific region is rapidly replacing log exports with the export of processed products, spurred by Malaysian exports of logs, sawnwood and plywood. Asian log exports made up 21% of total Asian export volume in 2001 (11% of log production). Latin American tropical log exports are a small fraction of both production and total exports. Total roundwood equivalent export volume as a percentage of log production increased from 10% to 13% in Latin America and from 43% to 46% in Africa, while the ratio for Asia decreased from 55% to 53% between 2001-2002. Total ITTO producer member exports (rwe) decreased by nearly 9% from 59.9 million $m^3$ to 54.8 million $m^3$ between 2001 and 2002, due to declines in exports by all three regions. The decreasing levels of primary product exports are offset by increased exports of secondary products (SPWP), as detailed in the SPWP chapter.

***Imports***

Table 4 provides an overview of the dependence of major ITTO importers on tropical wood products in 2002. Major importers are defined here as those with imports of at least 100 000 $m^3$ of one or more tropical products. Table 4 indicates in which products each country qualifies as a major importer by denoting the relevant figures in bold; only China (including Hong Kong S.A.R.), Taiwan Province of China and Korea qualify as major importers of tropical timber under this criterion in all primary product categories. These three importers are also the most dependent of the major ITTO consumer importers on tropical timber, with a significant proportion of their substantial log (China and Taiwan P.O.C.), sawnwood, veneer and plywood imports of tropical origin. Unsurprisingly, given the dominance of tropical plywood in international plywood trade, most of the countries in Table 4 have a fairly high dependence on tropical plywood imports, with China, Egypt, Japan and Korea dependent on tropical sources for over 90% of total imports (although this dependence is decreasing in some of these countries). Tropical sawnwood has a lower market share in most non-tropical countries, with only China (including Hong Kong S.A.R.) dependent on it for more than half of its sawnwood imports. Only Portugal and Taiwan Province of China amongst major consumers reported imports of a greater proportion of tropical than non-tropical logs in 2002.

Developments in several of the consumer countries in Table 4 looked set to affect demand for tropical timber in 2003-2004. In Europe, the requirement for all structural plywood to adhere to European Union strength and safety rules ("CE marking") by April 2004 caused plywood manufacturers to scramble to put in place the required procedures during 2003 to ensure their

**Table 3. Composition of Exports by Producing Regions, 2001-2003 (1000 $m^3$ rwe)**

| | Log Production | | | Log Exports | | | Processed Exports | | | Total Exports | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Region** | **2001** | **2002** | **2003** | **2001** | **2002** | **2003** | **2001** | **2002** | **2003** | **2001** | **2002** | **2003** |
| Africa | 20,093 | 19,435 | 18,960 | 4,685 | 4,497 | 4,655 | 3,978 | 4,455 | 4,127 | 8,663 | 8,952 | 8,782 |
| Asia-Pacific | 85,964 | 76,895 | 74,026 | 11,516 | 8,426 | 8,601 | 35,982 | 32,469 | 32,883 | 47,497 | 40,896 | 41,484 |
| Latin America | 37,743 | 39,139 | 40,182 | 195 | 144 | 116 | 3,559 | 4,799 | 4,782 | 3,753 | 4,943 | 4,898 |
| Total | 143,799 | 135,469 | 133,167 | 16,395 | 13,068 | 13,372 | 43,518 | 41,723 | 41,791 | 59,913 | 54,791 | 55,163 |

Note: Totals may not sum exactly due to rounding.

| Table 4. Tropical Proportion of Total Imports by Major ITTO Importers, 2002 | | | | |
|---|---|---|---|---|
| | Proportion (%) | | | |
| **Consumer Members** | Logs | Sawnwood | Veneer | Plywood |
| Belgium | 1.1 | **15.4** | 32.6 | **48.8** |
| Canada | 0.1 | 2.2 | 6.0 | **31.6** |
| China | **28.6** | **53.1** | **56.4** | **91.5** |
| Egypt | 2.0 | 0.1 | 30.0 | **96.9** |
| France | **32.5** | **10.1** | 51.1 | **27.8** |
| Denmark | 5.3 | **5.6** | 12.3 | 16.4 |
| Germany | **5.8** | **2.7** | 32.5 | **21.9** |
| Hong Kong S.A.R. | **43.7** | **50.2** | **89.2** | **72.4** |
| Italy | **6.7** | **3.9** | 26.2 | 14.3 |
| Japan | **16.0** | **6.4** | 39.0 | **90.5** |
| Netherlands | 9.8 | **12.7** | 31.7 | **41.8** |
| Portugal | **62.6** | **48.2** | 39.6 | 12.5 |
| Republic of Korea | **7.5** | **43.3** | **61.5** | **92.2** |
| Spain | **4.9** | **15.2** | 33.6 | 13.2 |
| Taiwan | **79.8** | **34.5** | **86.4** | **82.7** |
| U.K. | 14.9 | **4.1** | 27.7 | **29.4** |
| U.S.A. | 0.0 | **0.6** | 5.2 | **39.1** |
| **Producer Members** | | | | |
| India | **94.6** | 15.0 | 45.2 | 81.8 |
| Malaysia | **69.1** | **90.6** | 7.9 | 56.8 |
| Philippines | **53.7** | **54.5** | 81.3 | 44.5 |
| Thailand | **95.0** | **74.1** | 61.1 | 95.5 |

exports to the EU could continue unimpeded. The EU was also considering a scheme to restrict imports of timber to those legally sourced under its "Forest Law Enforcement, Governance and Trade" initiative. In Japan, a 2003 revision to a Japan Agricultural Standard (JAS) Building Standard Law regarding formaldehyde control in housing construction caused tropical plywood imports to drop and coniferous plywood imports to rise, as tropical manufacturers (especially in Indonesia) were slow to meet the new JAS limits on formaldehyde in plywood. These factors, whose full effects on demand will only be known with time, are described in more detail in the relevant sections of the next chapter.

In contrast to consumer countries, most of the major ITTO producer country importers in Table 4 depend on tropical imports for the majority of their imported wood needs. This is changing, however, with for example, India, Malaysia and the Philippines now sourcing substantial quantities of timber imports from non-tropical areas.

# PRODUCTION, TRADE AND PRICES OF PRIMARY PRODUCTS

This chapter provides statistics on production and trade of primary tropical forest products in ITTO producer and consumer countries, as well as price trends for selected products. Appendix 6 contains the Market Statement released in October 2003 by the ECE/FAO Timber Committee, providing an overview of developments in important markets for non-tropical primary timber products. This chapter also contains a preliminary analysis of production and trade of reconstituted panels, wood pulp and paper products by ITTO producer countries, since these products are becoming increasingly important for many of them. Production and trade data for these products for major producer countries are contained in Appendix 1-3. Analysis of these products for tropical countries will be improved in future versions of the Review, to include details of important trade flows and, where available, price trends.

## Data Sources and Conventions

Data on production presented here has been derived from Joint Questionnaire returns and supplemented by other available data sources (see Appendix 1). Production statistics in many ITTO member countries are often weak or non-existent. The primary problem in many producer countries is the lack of a comprehensive forest outturn measurement system as well as any kind of regular industrial survey to obtain production figures, while many consumer countries are unable or unwilling to distinguish the processing of tropical timber from all timber processing. In several cases, production figures have been estimated by working backward from available log supply. Apparent domestic consumption (production plus imports minus exports) statistics do not include changes in stock levels, which, in the past, were generally not reported or reported incorrectly by countries and which are therefore no longer collected.

As in previous years, production figures for many countries (including important producers like Brazil, Ecuador, India and Indonesia) were either not provided or were unusable in 2003 and have been estimated from other sources and/or trade levels (if reported). Production figures for these countries should therefore be viewed with caution. Some countries (e.g. Honduras, Venezuela) include tropical softwoods in the production data reported to ITTO. Where distinguished, these products were included in the figures for all timber but not for tropical timber in Appendix 1. Several countries (e.g. Brazil, China, Indonesia) are reported by various sources to have high levels of "unofficial" industrial roundwood production. Unless estimates of such "unofficial" production could be independently verified, only official production figures are presented here.

The following sections also report on exports, imports and price trends of each of the four primary tropical timber product categories covered by the ITTA. Detailed trade statistics are presented in Appendices 1 and 2, with data sources given in the notes preceding the Appendices. Major species in trade, together with volumes and average prices when these were reliably reported, are summarized by country in Appendix 3.

Price trends through late 2003 for several important tropical log and sawnwood species and various grades and thicknesses of plywood from each exporting region are contained in Appendix 4 and serve as the basis for the price analyses presented here. Nominal prices were reported biweekly by the ITTO/International Trade Center Market News Service (MNS) from 1990 until the end of 1995, and have continued to be reported by the ITTO Market Information Service (MIS) from then onwards. The nominal price series from these sources were converted to real 1995 US dollars using IMF exchange rate series and the World Bank G5 Manufacturing Unit Value (MUV) index for calculating real commodity prices. Both nominal and real price trends are given in Appendix 4.

As not all species are reported regularly, and since the MIS has added coverage of new products/species, some charts only portray price series since 1996 or 1997. An attempt has been made to prepare price trend charts for a range of species/products identified as important in international trade. However, the products covered in the Review's price trend analyses may change from year to year since some species may drop out of regular international trade due to export bans or restrictions. Details of species banned from export by individual countries are

included in the Country Notes, where this data has been provided by members. Species are identified by internationally accepted pilot/trade and scientific names; the local names of timber species used by producer countries, where they differ from pilot/trade names, are given in Appendix 3.

Average prices for species/products traded in 2001-2002 are also included in Appendix 3 for those countries that provided this data in the 2003 Joint Forest Sector Questionnaire. No attempt has been made to adjust or verify these nominal prices. Finally, Appendix 1 contains the average unit values of exports and imports for all products and countries in 2001-2002. These figures are highly aggregated based on total value and volume trade statistics and therefore include all species, grades and markets for each product. They are also, in many cases, based on estimates due to poor responses on trade values in the Joint Forest Sector Questionnaire.

## Industrial Roundwood

### *Production*

The production of tropical industrial roundwood ("logs") in ITTO producer member countries totalled over 135 million $m^3$ in 2002, decreasing to 133 million $m^3$ in 2003. Figure 1 shows ITTO's five major log producers for 2001-2003, ranked by 2002 production, as well as aggregate production by all other members. Of the top five, only Brazil steadily increased production during the period 2001-2003, with production climbing 2% from 28.8 million $m^3$ in 2002 to 29.7 million $m^3$ in 2003. Malaysian production has fallen from about 22 million $m^3$ in 1999 to 19.5 million $m^3$ in 2003, a reduction of almost 11% in five years. Malaysian log production has more than halved since the highs of the early 1990s.

Figure 3 illustrates the dominance of the top four tropical log producing countries (Indonesia, Brazil, Malaysia and India) which together comprised over two-thirds of total ITTO production in 2002-2003. Indonesian log production is probably significantly higher than the estimates given here, however, with some sources estimating the illegal harvest to be almost equal to or even greater than the estimated figures shown in Figure 3. Unfortunately, Indonesia, like Brazil and India, has never provided reliable official production figures to ITTO, necessitating the use of estimates based on reported exports and assumed domestic consumption. Thailand's production is based almost entirely on its rubberwood and other plantation resources. Appendix 1 (Table 1-1-d) shows that five other ITTO producer members (Côte d'Ivoire, Ecuador, Gabon, Nigeria and Myanmar) had log production exceeding 2 million $m^3$ in 2002. All of these except Côte d'Ivoire remained stable or increased production in 2003.

Two ITTO consuming countries possess significant tropical timber resources: Australia and China. Aggregate production from these sources for 2002 was estimated at 925 000 $m^3$, up 165% from 2001 levels with 89% of this (and all of the increase in 2002) from China. Estimated 2003 production in the two consumer countries was 914 000 $m^3$. The bulk of China's production comes from its southern provinces of Hainan Island and Yunnan. Log production from these areas is consumed almost entirely domestically. Australia's much smaller production is from north Queensland and is also consumed domestically.

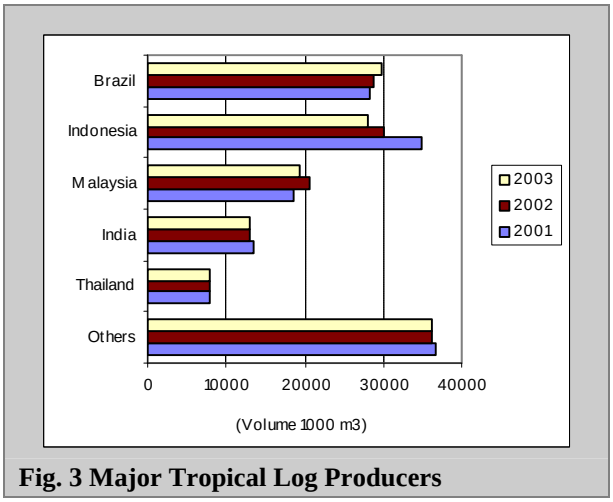


**Fig. 3 Major Tropical Log Producers**

The regional breakdown of tropical log production amongst ITTO producer members is given in Appendix 1 (Table 1-1-d); the Asia-Pacific region produced about 56% of ITTO members' tropical hardwood logs in 2002 and 2003. Africa's share of production remained at about 14% in both years, and Latin American production remained at nearly 30%.

### *Consumption*

Figure 4 shows that tropical log consumption for 2001-2003 mirrored production trends in the five major countries. Brazilian consumption increased, Malaysia's and Thailand's were relatively stable, while Indonesia's and India's decreased during the period. China remains the main non-tropical ITTO consumer of tropical logs, at over 7.8 million $m^3$ in 2002.

The top five log consuming countries accounted for 70% of total ITTO consumption of tropical

logs in 2002 and 2003. Both African and Asian domestic log consumption decreased in 2002-2003. The proportion of log production utilized domestically (i.e. log production minus log exports) averaged about 92% in Asia from 2001-2003. In Latin America logs processed domestically account for almost all production. African producers domestically consumed just over three-quarters of their total log production in 2002-2003, with the 10% increase in this figure from that reported in previous Reviews due to the inclusion of new ITTO member Nigeria. While there will be short-term reversals when log exports will surge due to economic conditions, population and economic growth coupled with a focus on further processing will ultimately contribute to pushing long-term domestic log processing upwards in producing countries.

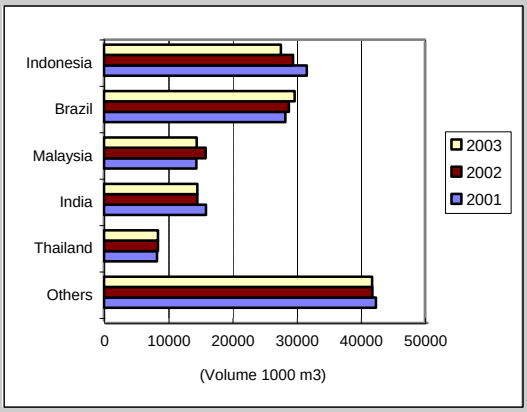


**Fig. 4 Major Tropical Log Consumers**

***Imports***

Total imports of tropical hardwood logs by ITTO members dropped 9.2% to 15.7 million $m^3$ in 2002, about 19% (or 2.5 million $m^3$) greater than total log exports reported by all members. The gap between reported imports and exports decreased to 18% (just over 2.4 million $m^3$) in 2003. Differences between reported ITTO imports and exports is to some extent made up by reported log exports from Equatorial Guinea and the Solomon Islands, the two largest non-ITTO tropical log exporters with exports averaging about 355 000 $m^3$ and 535 000 $m^3$ per year, respectively, in 2002-2003.

Other non-member tropical log exporters are less significant and include Bangladesh (average annual exports around 100 000 $m^3$), Laos (60 000 $m^3$), Mozambique (15 000 $m^3$), Madagascar (15 000 $m^3$) and Viet Nam (15 000 $m^3$). The sum of all log exports by non-ITTO tropical countries in 2002 was 1.1 million $m^3$, leaving up to 1.4 million $m^3$ plus imports by non-ITTO members of 247 000 $m^3$ to be accounted for by unrecorded or under-reported exports and/or over-reported imports from both members and non-members.

Figure 5 shows the top ITTO tropical log importers in 2001-2003 ranked by import volume in 2002. China, the world's largest importer of tropical logs, imported over 6.9 million $m^3$ in 2002, level with 2001. Although Chinese demand is levelling, its growing economy, a continuing ban on domestic harvesting and a zero tariff on log imports continue to drive imports upwards, with a jump in 2003 to 7.6 million $m^3$. China's tropical log imports, which accounted for almost half of total ITTO imports in 2003, have soared nearly 60% in the last five years, with Gabon, Indonesia, Malaysia, Myanmar and PNG the main sources. China's import of non-tropical logs has expanded even more rapidly, with Russia providing the bulk of more than 15 million $m^3$ imported in 2002. China's total log imports from all sources exceeded those of Japan (previously the world's top log importer) for the first time in 2001. By 2003, only 2 years after overtaking Japan, China's rapidly growing imports from all sources were double those of Japan at around 26 million $m^3$.

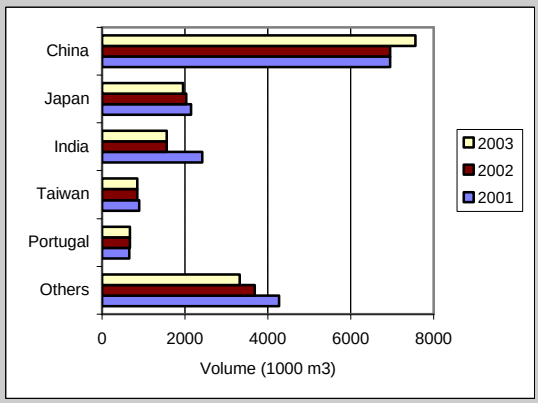


**Fig. 5 Major Tropical Log Importers**

Official Chinese statistics do not include Taiwan Province of China (P.O.C.) nor Hong Kong and Macao S.A.R.s, so the figures used here for these importers are based on other available sources or estimates. Tropical log imports by both Taiwan P.O.C. and Hong Kong S.A.R. have been falling, but with over 850 000 $m^3$ in 2002-2003, Taiwan P.O.C. is still a major importer. Appendix 2 shows that Taiwan P.O.C.'s main tropical log trading partners in 2002 were Malaysia, Gabon, Papua New Guinea and Myanmar, although the

latter reported minimal exports in the opposite direction.

Japan is the second largest ITTO tropical log importer, with imports of just over 2 million $m^3$ in 2002, down 5% from 2001 levels. Japanese demand for tropical logs continued to be met primarily (75%) by output from Malaysia (i.e. Sarawak) in 2002. Japan imported 403 000 $m^3$ of logs from Papua New Guinea and over 43 000 $m^3$ from Africa (mainly the Republic of Congo and Cameroon) in 2002. Japanese tropical log imports fell another 4% in 2003 due to its contracting economy, reduced supplies from Malaysia, competition for log supplies with China and an increasing reliance on softwood logs. Russia continued as Japan's major log supplier, with imports from that country reported at 4.7 million $m^3$ in 2002. Larch is now a preferred species for plywood manufacture in Japan and with prices still below those of the cheapest tropical logs, it appears likely to gain further market share.

India is the third largest importer of tropical logs, at slightly below 1.6 million $m^3$ in 2002 (down 36% from 2001), mostly from Malaysia and Myanmar but with an increasing component from Africa. As India supplied no data to ITTO, and since only 2001 data had been reported by India's customs officials to international trade statistics databases by the end of 2003, estimates of 2002 imports have been based on reports of trading partners. The large drop in India's 2003 imports was mainly due to a decline in reported trade with Myanmar.

EU countries imported nearly 2.3 million $m^3$ of tropical logs in 2002, down 0.8% from 2001. Most EU tropical log imports continue to come from African producers. Portugal is the largest of the EU log importers, up by 2% to 668 000 $m^3$ in 2002 and remaining stable in 2003 (Portugal reports substantial imports of tropical eucalyptus logs from Brazil, which do not appear in Brazil's export statistics). Imports by France, on the other hand, decreased 12% to 645 000 $m^3$ in 2002 as log export restrictions in some of its main suppliers (Cameroon, Gabon, Liberia and Republic of Congo) were imposed or strengthened. However, French imports recovered slightly (by 2% to 660 000 $m^3$) in 2003. Italy is also a major European log importer, at 352 000 $m^3$ in 2002. European log imports decreased 4.1% in 2003 to below 2.2 million $m^3$.

Thailand is also a major ITTO log importer, absorbing almost 609 000 $m^3$ in 2002 (up 27% from 2001), mainly from Myanmar (63%) and Malaysia (17%). Thailand's reported imports increased to 639 000 $m^3$ in 2003. Malaysian imports plummeted 60% to 297 000 $m^3$ in 2002. This was primarily due to a memorandum of understanding which was signed with Indonesia in an attempt to control illegal logging and trade of timber products from that country. Malaysia's tropical log imports dropped a further 38% to 183 000 $m^3$ in 2003. Total imports of tropical logs by ITTO producing members dropped by 29% to 2.8 million $m^3$ in 2002, falling a further 2.3% in 2003. This was mainly due to sharp decreases in Malaysian and (to a lesser extent) Filipino imports.

***Exports***

Figure 6 shows the major ITTO tropical log exporters in 2001-2003, ranked by 2002 export volume. Total ITTO producer member exports were almost 13.1 million $m^3$ in 2002. Log exports by producer members decreased by 1.7% in 2003 to 13.4 million $m^3$. Malaysia continues to dominate the trade in tropical logs with 5 million $m^3$ exported in 2002, constituting 39% of ITTO producer member exports. Malaysia's log trade in 2002 increased slightly in volume by 1% from 2001 levels and a further 3% to 5.2 million $m^3$ in 2003. Appendix 2 (Table 2-1) shows that Malaysia's major log customers are all in Asia, with China, Taiwan Province of China, Japan and India accounting for 85% of the reported log export volume in 2002.

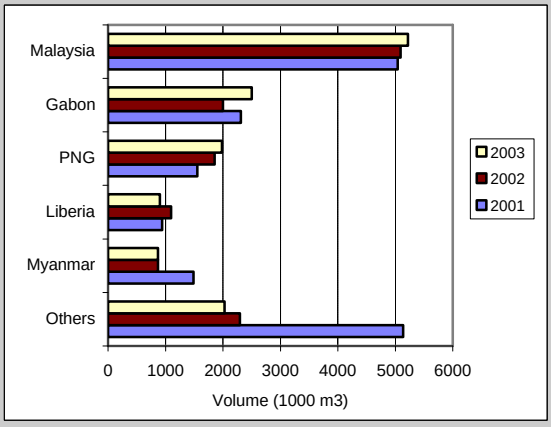


**Fig. 6 Major Tropical Log Exporters**

Gabon overtook Indonesia as the second largest log exporter in 2002 at 2 million $m^3$. Gabon's exports decreased by 14% in 2002 as a decline in European markets outweighed an increase in trade

with China. Gabon's exports grew 25% to 2.5 million $m^3$ in 2003. Gabon's main log trading partners have traditionally been European countries such as France, Italy and Portugal, but China is now its largest trading partner. Gabon's trade statistics were not available for the 2002 so estimates were based on trading partner reports.

Indonesia slid to become the sixth largest ITTO tropical log exporter due to its ongoing 2001 log export ban and tighter controls to regulate illegal trade. Indonesia's exports shrank to 600 000 $m^3$ (down by 83%) in 2002, and a further 17% to 500 000 $m^3$ in 2003. Although Indonesia signed agreements to stem illegal log flows with its main trading partners (Malaysia and China), trade figures still continue to show major discrepancies. Malaysia alone reported imports of nearly 199 000 $m^3$ of Indonesian logs in 2002 compared to 228 $m^3$ reported as exported by Indonesia, while China's reported imports (over 248 000 $m^3$) were more than one hundred times greater than the level reported by Indonesian customs authorities (2 200 $m^3$), supporting the claims of many observers that substantial undocumented or illegal Indonesian log exports continue to exist.

Papua New Guinea is the third largest tropical log exporter, with 2002 exports of almost 1.9 million $m^3$, up by 19% from 2001 levels. PNG's log exports remain far below the pre-Asian crisis levels of almost 3 million $m^3$ per year. Appendix 2 shows that while a significant quantity of PNG's log exports (22% in 2002) still go to Japan, the Chinese market has grown rapidly to account for about 61% of PNG's exports in 2002, mainly in lower grades. Log exports by Myanmar (the fifth largest log exporter at 867 000 $m^3$) declined sharply by 42% in 2002. Myanmar's main trading partners are India, Thailand and China (although there is a major discrepancy in the figures provided by Myanmar and China – see Appendix 2).

Africa supplies the majority of the remainder of world tropical hardwood log exports. Gabon is the region's largest exporter (and, as noted above, ITTO's second largest), but Cameroon, Central African Republic, Côte d'Ivoire, Liberia and Republic of Congo also exported substantial quantities of logs in 2002. Cameroon's exports plummeted by 82% in 2002, however and a further 41% in 2003 to 250 000 $m^3$. Cameroon is successfully promoting increased local processing and has imposed strict limitations on log exports. Liberia, in contrast, surged to become ITTO's fourth largest tropical log exporter in 2002. After resolving a long-running civil war (which led to drastic decreases in official log production and exports for most of the 1990's) in 1998, log exports have grown rapidly to offset declines from other African countries. Liberia's exports increased 17% to 1.1 million $m^3$ in 2002 but declined 18% to 900 000 $m^3$ in 2003 due to renewed conflict. Most of Liberia's logs go to China and Europe.

Exports of tropical logs by consumer countries decreased by almost 1% to 141 000 $m^3$ in 2002. Consumer countries did not in general provide detailed breakdowns of exports or re-exports of tropical timber products (value or destination), but a significant portion of this trade is known to be between EU countries. Consumer country exports of tropical logs continued to decline in 2003, dropping 8.6% to 129 000 $m^3$.

***Prices***

Appendix 4 shows indicative real (1995) and nominal FOB price trends for log exports of two West African and five Southeast Asian species as well as domestic price trends for Malaysian rubberwood (this species is used mainly in the domestic market for the manufacture of furniture and furniture parts for export).

Prices for some of the more important internationally traded species of West African logs improved during 2003. The improvement in prices reflected the tight log supply due to political unrest in the region including a *coup d'etat* in the Central African Republic and civil wars in Côte d'Ivoire and Liberia; UN sanctions banning Liberian log exports; and Cameroon's ban on exports of ayous and azobe logs in March 2003. Likewise, tax increases and rising freight rates combined to force many producers (including CAR, Cameroon, Gabon and Congo) to push for higher prices. Sharper price gains were deterred by sluggish demand in the European market, especially Germany, France and the Netherlands, although stronger demand was observed in Spain and Ireland.

After reaching record lows in mid-2001, Cameroon's n'gollon prices rose gradually during the first half of 2002 to reach \$184/$m^3$ (\$207/$m^3$ nominal) due to a shortage of logs as a result of new and tougher regulations on forest concessions. Demand also increased for substitutes for South American mahogany (*Swietenia* spp.) which was attracting considerable attention from environmental organizations that have launched campaigns to

halt the trade in the species. In the second half of 2002, n'gollon prices gave up some of the gains made earlier to fall to around $173/m^3$ ($194/m^3$ nominal) in late 2002 due to a sluggish European market. N'gollon prices rebounded gradually during the first half of 2003, moving up to $218/m^3$ ($250/m^3$ nominal) during July 2003 and, after a slight correction in the third quarter, finished the year at $232/m^3$ ($265m^3$ nominal).

Prices for sapelli (or sapele), another reddish brown timber from the tropical forest of West Africa found in countries from Liberia to Gabon, firmed in 2003. Sapelli prices, which saw record lows in 2001, rebounded in mid-2002 to $217/m^3$ ($244/m^3$ nominal) due to resumed imports by European countries but fell marginally during the third quarter of 2002 before rising steadily from late 2002 through most of 2003. During late 2002 and into 2003 prices for sapelli came under added pressure because of the large volumes of niangon (an alternative) which were being traded mainly from Liberia to Europe. In July 2003, the United Nations banned imports of wood products from Liberia as revenues from timber exports were being used for illegal arms transactions. The ban mainly affected China and France who were the main importers among the 37 countries that had been buying timber from Liberia. The ban, initially for ten months, was to remain in place through 2004 despite a change of government in the country and repeated calls from Liberians to have the restrictions lifted. Prices for sapelli were around $271/m^3$ ($311/m^3$ nominal) at the end of 2003.

Despite price gains in dollar terms, the strength of the euro in 2003 undermined the price competitiveness of African tropical hardwoods since most were invoiced in this currency. Weak demand in Europe prevented a surge in prices despite rising costs due to increased tax rates and restricted availability of high value logs in many areas. Mills were reported to be already operating on razor-thin margins. Increased taxes in logging operations in Congo (up three-fold after the adoption of an IMF proposal) were having a significant effect on the inter-regional and international trade as Congo is a significant exporter of higher value African redwood logs comprising species such as sapele, utile, okoume and kaya.

The graphs in Appendix 4 shows that after the sharp drop during the Asian crisis of 1997 and 1998, prices of most species of Asian logs have struggled to recover. Most have traded at real prices between $112 and $152/m^3$ from the end of 1998 through 2003, still well below pre-crisis levels.

Selangan batu and kapur log prices traded at around $131/m^3$ ($148/m^3$ nominal) and $127/m^3$ ($142/m^3$ nominal) respectively, during the first half of 2002. In the case of kapur, prices remained around that level through most of 2002 before increasing to $131 ($148/m^3$ nominal) late that year. Selangan batu improved steadily to $140/m^3$ ($158/m^3$ nominal) during the second half of 2002. Real prices for selagan batu and kapur declined gradually for most of 2003 and the species were trading at $127/m^3$ ($145/m^3$ nominal) and $124/m^3$ ($143/m^3$ nominal) by year-end.

Real prices for keruing and meranti logs rose steadily through 2002 and both firmed at around $140/m^3$ ($158/m^3$ nominal) in the third quarter of 2002. Prices for both keruing and meranti logs declined to $133/m^3$ ($150/m^3$ nominal) in late 2002. In early 2003, meranti prices rebounded to $140/m^3$ ($158/m^3$ nominal) and hovered around that level through 2003. Real export prices for kapur fluctuated widely between $133/m^3$ and $116/m^3$ during the three first quarters of 2003 and firmed at $124/m^3$ ($143/m^3$ nominal) in the last quarter of the year. Despite shortages in supply of Asian logs and the restriction on log exports from Indonesia, prices for these products generally were held down in 2003 by subdued consumption in Japan, and by the price leadership of Chinese buyers.

Domestic price trends for Malaysian rubberwood logs since early 1996 are also shown in Appendix 4. Virtually all of Malaysia's rubberwood resources are directed to local wood manufacturing and the country's fast growing furniture export sector. After dropping to $22/m^3$ ($23/m^3$ nominal) in late 1998, rubberwood log prices rose gradually to reach $27/m^3$ ($31/m^3$ nominal) in early 2002. Prices for Malaysian rubberwood logs rose sharply throughout the rest of 2002 to reach $43/m^3$ ($49/m^3$ nominal) late that year due to the abolition of the export ban/quota on sawn rubberwood and increased demand from sawmills. The export ban/quota on sawn rubberwood was abolished in February 2002 and an associated export levy reduced in order to recapture sawn rubberwood markets in China and Vietnam that had switched to cheaper Thai and Indonesian sources. Although rubberwood prices subsequently reached record highs, the Malaysian government again increased the export levy on

sawn rubberwood in August 2002 resulting in a temporary decline in domestic log prices as demand adjusted.

A factor driving up rubberwood log prices was the crackdown on illegal foreign workers by the Malaysian government which caused shortages in log supply to the mills. During the first half of 2003 real prices for rubberwood logs steadied at $43/m^3$ but recorded strong gains in the second half as supplies of logs became more difficult to secure. The area of rubber plantations in Malaysia has continued to decline over the past 10-15 years as plantation companies switch to planting oil palm from which returns are higher than for latex and timber. Rubberwood log supply continued to fall while the demand from furniture manufacturers was increasing. By 2003 year-end, rubberwood log prices in the domestic market had reached $53/m^3$ ($61/m^3$ nominal).

Appendix 4 also shows price trends of three grades of Myanmar teak logs from mid-1997 when data for this product began to be regularly collected by the MIS. Teak 4th grade logs are generally used for sliced veneer production while SG-2 to SG-4 grades are for sawing. In contrast to other Asian species, prices for teak logs were practically unaffected during the Asian financial turmoil and have been generally rising since then. Prices for 4th grade teak logs rose steadily since the second half of 2002, reaching a record high of $2392/m^3$ ($2740/m^3$ nominal) in mid-2003. In 2003, the currency used in the monthly teak auctions in Myanmar was changed from the US dollar to the Euro. After an initial period of uncertainty on the part of buyers, this resulted in some further price advances in dollar terms by mid-2003. However, prices of veneer grade teak (4th grade) declined sharply during the second half of the year due to the US ban on all trade between American companies and Myanmar. Expectations that the EU could introduce a similar ban emerged but subsided in late 2003. In another development, Myanmar's Forest Minister and the team responsible for regulating teak exports were removed in early 2003. This led to the temporary cessation of teak sawnwood exports during the third quarter of the year. Teak sawnwood exports resumed in the last quarter of the year but subject to a strict quota system. The move was designed to prevent a loss of government income resulting from illegal exports. This development meant rising prices for teak sawnwood but teak logs were largely unaffected. By year-end, 4th grade teak log prices had retreated to $1888/m^3$ ($2162 nominal).

SG-2 teak prices continued to rise steadily throughout 2002 and the first quarter of 2003 to a record high of around $1395/m^3$ ($1598/m^3$ nominal). However, prices declined sharply to $844/m^3$ ($967/m^3$ nominal) in the second quarter of 2003 due to the US ban on imports from Myanmar. Prices surged briefly only to fall again in the third quarter of the year, trading at $982/m^3$ ($1125/m^3$ nominal) by year-end. Prices for SG-4 teak grade have been comparatively less volatile than those of the other teak grades. SG-4 teak prices reached record highs of around at $780/m^3$ ($800/m^3$ nominal) in mid-2002, before declining slightly but steadily during the second half of the year and for most of 2003. SG-4 grade teak logs were trading at $626/m^3$ ($717 nominal) in late 2003, $40/m^3$ down from levels in January 2003.

## Sawnwood

***Production***

Production of tropical sawnwood in ITTO producing countries totalled just under 34 million $m^3$ in 2002, up 0.3% from 2001. Sawnwood production was stable in 2003. Africa, which makes up only 13% of ITTO production, still suffers from weak infrastructure and environmentally demanding export markets that constrain major investments in wood processing, but production is gradually rising due to log export bans and requirements for further processing in many countries. Latin America, with around 52% of ITTO sawnwood production, grew over 7% to 18.1 million $m^3$ between 2001 and 2003, after a sharp jump from 1999 resulting from a revision of Brazilian figures. Asian production dropped by 4.8% to 12 million $m^3$ in 2002, further decreasing to 11.7 million $m^3$ in 2003. The Asian region accounted for around 35% of sawnwood production in producer countries in 2001 and 2002.

Figure 7 shows the major ITTO producers of tropical sawnwood in the 2001-2003 period, ranked by 2002 production. Brazil (15.3 million $m^3$), Indonesia (6.5 million $m^3$), Malaysia (4.6 million $m^3$) and Nigeria (2 million $m^3$) were the major producers of tropical sawnwood in 2002. Production in all of these countries except Brazil was either stable or down slightly in 2003. Brazil's sawnwood production increased by 4% to 15.3 million $m^3$ in 2003. The top four tropical sawnwood producing countries comprised nearly 84% of ITTO sawnwood production in 2002-2003. A major revision to India's production figures dropped it out of the list of major producers in 2002-2003 and is being investigated.

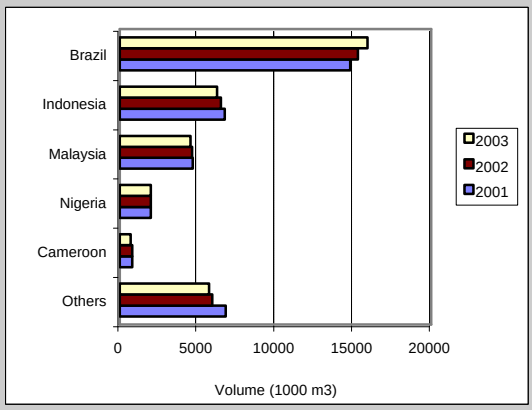


**Fig. 7 Major Tropical Sawnwood Producers**

Appendix 1 shows that four other countries (Cameroon, Côte d'Ivoire, Peru and Colombia) produced over 500 000 $m^3$ of tropical sawnwood in 2002. Production decreased in 2003 in all of these countries, except for Peru where it remained stable.

Consumer countries produced nearly 1.2 million $m^3$ of tropical sawnwood in 2002, down by almost 40% from 2001 levels, with most of the decrease due to reductions in China and Japan. Japan's production continued its steady decline, dropping 18% in 2002 (to 216 000 $m^3$) and a further 4% in 2003 (to 207 000 $m^3$). The slump in Chinese tropical sawnwood production (which at 190 000 $m^3$ was about one-fifth of mid-1990s levels) mirrors an even more drastic collapse in total domestic production since 1998, due to the closure of mills affected by the National Forest Protection Program.

***Consumption***

Figure 8 shows the main ITTO consumers of tropical sawnwood, ranked by 2002 consumption. Consumption of tropical sawnwood by ITTO consumer countries rose by 3% between 2001 and 2003, from 9 million $m^3$ to 9.3 million $m^3$, due to increased imports. Consumption by producer countries increased nearly 3% to 28.2 million $m^3$ in the same period. Considered over a five-year period, consumption of tropical sawnwood in producing countries has declined nearly 13%, while increasing by nearly 11% in consuming countries. The five countries in Figure 6 accounted for 73% of ITTO members' consumption of tropical sawnwood in 2002.

Brazil was by far the largest ITTO tropical sawnwood consumer, reaching 14.2 million $m^3$ (up by 3%) in 2002 and increasing a further 4% to 14.8 million $m^3$ in 2003. Indonesia and Malaysia, ITTO's second and fourth largest tropical sawnwood consumers, maintained relatively stable consumption in 2002. Indonesia declined 6% to 4.3 million $m^3$ in2003 while Malaysia continued to increase by another 10% to 3 million $m^3$ for the same year. Nigeria was the largest and only major tropical sawnwood consumer in Africa. Consumption by Nigeria remained stable at nearly 2 million $m^3$ in 2002 and 2003.

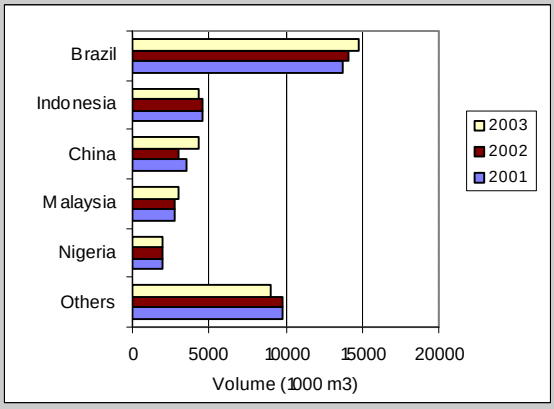


**Fig. 8 Major Tropical Sawnwood Consumers**

Figure 8 shows that China has maintained its place as one of ITTO's top five tropical sawnwood consumers. China's consumption of tropical sawnwood has doubled in the last five years, overtaking Japan and Thailand among other countries. Since overtaking Malaysia in 2001, China has maintained its position as the third largest ITTO consumer of tropical sawnwood. Japan's tropical sawnwood consumption decreased by 12% in 2002 and 8% in 2003 to 762 000 and 698 000 $m^3$ respectively due to the problems still affecting the country's economy. France, Korea and Spain are the other major non-tropical consumers of tropical sawnwood, all with over 400 000 $m^3$ consumption per year. All of these countries except for Korea maintained consumption of tropical sawnwood at or over this level in 2003.

***Imports***

Total ITTO imports of tropical sawnwood increased 5.3% to over 10 million $m^3$ in 2002 and a further 11.5% to 11.3 million $m^3$ in 2003 due to improved demand in both producer and consumer country markets. Figure 9 shows the major ITTO sawnwood importers in 2001-2003, ranked by 2002 import volume. With 2002 imports of nearly 2.9 million $m^3$, China is by far the top ITTO tropical sawnwood importer. China's imports declined slightly by 1% in 2002, but leapt by 43% in 2003 due to reduced log availability from Indonesia. China's tropical sawnwood

imports are mainly from Indonesia (46%) and Malaysia (17%). China's, Hong Kong S.A.R.'s and Taiwan P.O.C.'s combined imports accounted for over half of ITTO consumer imports in 2002.

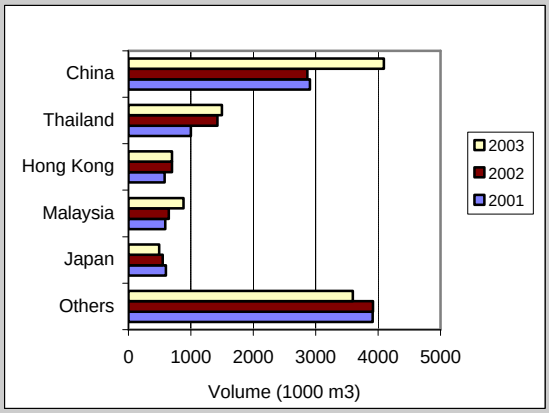


**Fig. 9 Major Tropical Sawnwood Importers**

Thailand imported 1.4 million $m^3$ of tropical sawnwood (up 43%) in 2002 as its large furniture and secondary processing industries continued to boom. Thai imports increased a further 5% to nearly 1.5 million $m^3$ in 2003. Both Thailand's and Japan's tropical sawnwood imports are primarily from Malaysia (71% and 40%, respectively). Japan also imported substantial quantities of sawnwood from Indonesia (48%) in 2002 (Appendix 2). Japan slid to ITTO's fifth largest tropical sawnwood importer in 2002 with imports decreasing by 9% to 547 000 $m^3$ and a further 10% to 491 000 $m^3$ in 2003. Japanese imports of tropical sawnwood have fallen by over 50% since 1996, while its imports of softwood lumber (primarily from Canada and increasingly Scandinavia) increased by nearly 13% from 7.7 million $m^3$ in 2002 to 8.7 million $m^3$ 2003. Figure 10 shows the changing make-up of Japan's sawnwood imports from regions other than North American, still the largest source at nearly 4 million $m^3$ in 2003 despite a steep decline from over 6 million $m^3$ in 1997.

Total tropical sawnwood imports by EU countries declined by 1.4% in 2002 to 2.6 million $m^3$, due primarily to decreased imports in France, Germany and Spain. Brazil, Malaysia and Indonesia are the main sources for EU imports, accounting for over half of the total. Côte d'Ivoire, Cameroon and Ghana supplied virtually all of the remainder of EU imports. European tropical sawnwood imports decreased another 9% in 2003 to 2.4 million $m^3$ due to declines in Belgium, Denmark, Germany, Italy, the Netherlands, Portugal and Spain. Spain is the largest importer of tropical sawnwood in the EU, absorbing 475 000 $m^3$ in 2002 (down 11% from 2001) and 370 000 $m^3$ in 2003. Spain's imports are primarily from Africa (Cameroon and Côte d'Ivoire) and Brazil. The Netherlands, the U.K., France and Italy were other major EU tropical sawnwood importers in 2002.

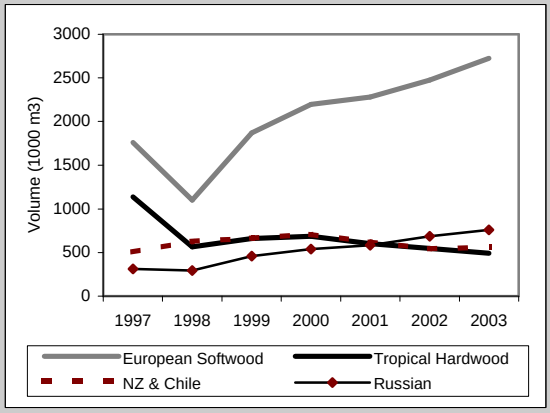


**Fig. 10 Japan's Diverging Sawnwood Import Sources**

As the size of the bar for "Others" in Figure 9 indicates, the tropical sawnwood market is the most diversified of all primary tropical timber products, with the five largest importers accounting for only 61% of total ITTO imports in 2002.

***Exports***

Figure 11 shows the major ITTO tropical sawnwood exporters in 2001-2003, ranked by 2002 export volume. ITTO producers exported a total of almost 8.6 million $m^3$ of tropical sawnwood in 2002, up 2.3% from 2001. Malaysia continues to lead the trade in tropical sawnwood, with the 2.5 million $m^3$ exported in 2002 constituting 29% of total ITTO producer member exports. Malaysia's sawnwood trade fell by 2% in 2002 as its major markets of China, Japan and the Netherlands contracted. Appendix 2 (Table 2-2) shows that Malaysia's other major sawnwood customers in 2002 were Thailand, Korea, Hong Kong S.A.R. and Taiwan P.O.C. There were, however, large discrepancies between the trade flows reported by Malaysia and trading partners China, Thailand and Korea in 2002 (Appendix 2).

Indonesian exports of sawnwood declined by 11% to 2 million $m^3$ in 2002. Indonesia's major sawnwood market is China, but its reported trade with China in 2002 was less than a fourth of China's reported imports (Appendix 2). Cameroon's exports recovered by 26% in 2002, but retreated by 19% in 2003 to 640 000 $m^3$. The large drop in Cameroon in 2003 was probably due

to decreased log availability, although clarifications are being sought. Sawnwood exports for most of the top five ITTO exporters (except Malaysia and Cameroon) remained stable or increased in 2003. Thailand and Brazil both increased exports significantly in 2002 (the former mainly to China and the latter to the U.S. and EU), with Thailand continuing its rapid growth in 2003. In addition to the countries in Figure 11, Côte d'Ivoire and Ghana both exported over 200 000 $m^3$ of tropical sawnwood in 2002 and 2003. China's exports of tropical sawnwood dropped sharply by 78% to 69 000 $m^3$ in 2002 and a further 86% to 10 000 $m^3$ in 2003, as production and imports were increasingly absorbed by the huge domestic market.

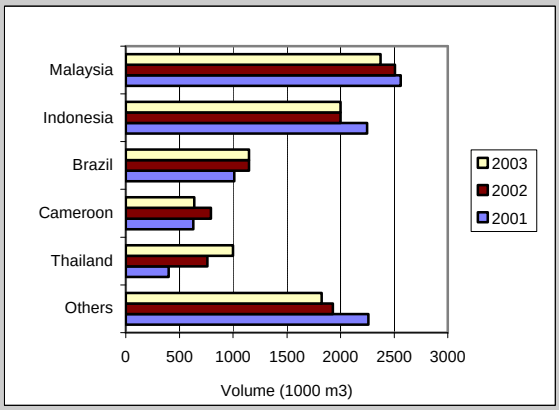


**Fig. 11 Major Tropical Sawnwood Exporters**

ITTO consumer countries exported 561 000 $m^3$ of tropical sawnwood in 2002, primarily (77%) from the EU countries. In the EU, exports of tropical sawnwood increased from 385 000 $m^3$ in 1999 to 432 000 $m^3$ in 2002. Belgium, a larger tropical sawnwood exporter than many producing countries, was the main EU tropical sawnwood exporter at 148 000 $m^3$ in 2002, followed by the Netherlands, Germany and Denmark. Total consumer country exports of tropical sawnwood dropped to 466 000 $m^3$ in 2003, due to a decline of nearly 9% (to 394 000 $m^3$) in EU exports.

***Prices***

Real (1995) and nominal sawnwood FOB price trends for three Ghanaian species, two Malaysian species and two Brazilian species of tropical sawnwood are included in Appendix 4.

African sawnwood prices exhibited mixed trends in 2002 and 2003. The strength of demand for African mahogany (or acajou, one of the continent's most valuable sawnwood export species) waned in 2003, with the species achieving only modest price gains during the year. Nevertheless, African mahogany sawnwood managed to reach a new record high (in nominal terms) of \$542/$m^3$ (\$621/$m^3$ nominal) by year-end. The USA continued absorbing most of the African mahogany made available in the market. Demand will continue to strengthen as the supply of South American mahogany (*Swietenia* spp.), strongly favoured by US consumers, is increasingly restricted.

Similarly, wawa (or obeche) sawnwood prices firmed at around \$395/$m^3$ (\$445/$m^3$ nominal) in late 2002 and early 2003, a record high for this species. The sharp increase in 2002 was due to strong demand and restrictions on exports of competing species. In 2003, wawa prices recorded further gains, moving to \$408/$m^3$ (\$467/$m^3$ nominal) by mid-year as UK importers increased buying to replenish stocks run down at the turn of the year. The momentum was lost, however, by year-end, when prices fell back to \$339/$m^3$ (\$388/$m^3$ nominal) due to a quiet UK market, a reflection of long-term shifts in the furniture manufacturing sector including the outsourcing of furniture components. The overall market for wawa in Western Europe has been shrinking as manufacturers either relocate or import semi-finished components from low-cost locations in Eastern Europe and Asia. Wawa demand has also been affected by MDF substitution in some European markets.

After reaching new lows of \$392/$m^3$ (\$442/$m^3$ nominal) in early 2002, real prices for iroko (or odum) rebounded and rose steadily through most of the remainder of the year and 2003. Iroko prices closed the year trading at \$662/m3 (\$759/$m^3$ nominal), a 6-year high for this species. FOB prices for iroko sawn timber firmed due to disruption of iroko trade in Côte d'Ivoire (affected by a serious political crisis) and robust demand in the UK and Ireland. Exporters were pushing for still higher prices due to log shortages and higher freight costs, but some European buyers were starting to look at alternative species including sapele, Brazilian tatajuba and African dabema due to the high iroko prices.

The industry in Ghana continued in 2002-2003 to pursue a gradual shift from the export of air-dried sawnwood to the export of kiln-dried sawnwood, a result of the implementation of the Trees & Timber Amendment Act of 1994. This Act imposed export levies on some selected species if exported air-dried and has been successful in encouraging kiln-dried sawnwood exports from Ghana.

Prices for Malaysian dark red meranti sawnwood recorded healthy gains in 2002, rising to $412/m^3$ ($465/m^3$ nominal) by the end of that year. Due to the tight supply of the species in sawmills in Peninsular Malaysia and the ban on Indonesian log exports, prices for dark red meranti sawnwood continued to rise in 2003 to around $439/m^3$ ($502/m^3$ nominal) by mid-year. Prices retreated to $418/m^3$ ($479/m^3$ nominal) in the third quarter of the year as importers in the depressed Dutch market were selling existing landed stocks of meranti and seraya often at below replacement cost in an effort to generate cash. Suppliers in Peninsular Malaysia eased their FOB prices for meranti, passing on the slightly cheaper container freight rate to Rotterdam to importers. Further weakening of the US dollar against the Euro meant that prices to European importers appeared even lower in local currency. The upward momentum in dark red meranti prices resumed in the last quarter of 2003 when they reached $515/m^3$ ($591/m^3$ nominal) due to restrictions on log imports from Indonesia that deprived Malaysian mills of an important source of raw material. For European importers, meranti's relatively competitive price in 2002-2003 made it an attractive alternative to African species whose prices outstripped meranti's (e.g. sapele) or whose supply was insufficient (e.g. iroko and afzelia).

Reversing a downward trend that started in 2001, prices for seraya scantlings (also known as light red meranti, a medium density utility timber) firmed at around $426/m^3$ ($480/m^3$ nominal) in early 2002. In late 2002 and throughout the first three quarters of 2003, the species was trading in a narrow range of $450-455/m^3$ ($505-510/m^3$ nominal). Towards year-end, prices moved up by around $30/m^3$ due largely to increased demand in Japan and, to a lesser extent, in Europe.

Appendix 4 shows price trends for one Brazilian tropical sawnwood species, as well as for Brazilian plantation pine. Trade in Latin American mahogany (*Swietenia macrophylla*, the most valuable species from the region) has slowed significantly following a total ban on logging, transportation, processing and trade of all mahogany products imposed by Brazil's IBAMA in late 2001 and the inclusion of this species in Appendix II of CITES in November 2003. In June 2003, the President of Brazil announced tighter regulations for timber harvesting in the Brazilian Amazon, under which mahogany could only be harvested for the domestic market if approved Sustainable Forest Management Plans were in place. Logging in previously authorized areas was suspended for five years. The minimum diameter for mahogany harvesting was increased from 45 cm to 60 cm. With Brazil's exports down significantly, Peru is now the largest exporter of mahogany sawnwood (see Appendix 3). Price information for Peruvian mahogany exports is currently being sought for inclusion in future Reviews.

After peaking at a record high of $610/m^3$ ($680/m^3$ nominal) in early 2001, real prices for jatoba sawnwood declined steadily for most of 2001 and 2002, reaching $479/m^3$ ($540/m^3$ nominal) by early 2003 due mainly to the sharp slide of the Brazilian real. Prices for this Brazilian species continued to gradually decline through 2003 to $463/m^3$ ($530/m^3$ nominal) late in the year. Brazilian producers have been developing new markets for their tropical sawnwood in East Asia and elsewhere in order to reduce their dependence on the US market.

A graph showing Brazilian pine sawnwood price trends is included in Appendix 4 to facilitate comparison of prices of a relevant coniferous species with those of tropical hardwoods. After reaching new lows in 2001, Brazilian pine sawnwood prices were relatively stable throughout 2002 at around $111-114/m^3$ ($125-128/m^3$ nominal). Unlike jatoba sawnwood prices, sawn pine prices were less affected by the devaluation of the real as prices in the local currency were supported by strong demand in export markets for value-added pine products such as clear blocks, blanks and mouldings. Lower demand for Brazilian pine held down prices in 2003, which fell to $105/m^3$ ($120/m^3$ nominal) by year-end, a new low for Brazilian pine.

## Veneer

### *Production*

Production of tropical veneer in ITTO producing countries totalled nearly 2.2 million $m^3$ in 2002. Veneer production figures should not include veneer used in domestic plywood production and therefore represent only the production of veneer intended to be traded as such. Veneer production in producing countries decreased by 4.7% in 2002, but rebounded by 4.2% to almost 2.3 million $m^3$ in 2003. The Asian region produced over 1 million $m^3$ of tropical veneer in 2002, Africa produced 693 000 $m^3$ and Latin America produced 413 000 $m^3$. Aggregate production rose in Africa (up 1%) and in Asia (up 8.3%), but decreased slightly in Latin America

(down 1.1%) in 2003. The main ITTO veneer producers in 2001-2003 are shown in Figure 12.

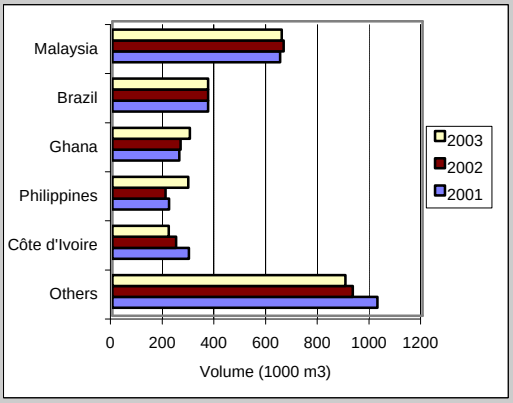


**Fig. 12 Major Tropical Veneer Producers**

Malaysia is ITTO's largest tropical veneer producer. Its production rose by 2% from 649 000 $m^3$ to 662 000 $m^3$ between 2001 and 2002 before decreasing 1% to 655 000 $m^3$ in 2003.

Brazil is ITTO's second largest tropical veneer producer. Its production made up 17% of the ITTO producer total in 2002 and 14% of total ITTO veneer production. Brazilian production was stable at 370 000 $m^3$ in 2003.

Ghana experienced increases in veneer production of 2% (to 264 000 $m^3$) and 14% (to 300 000 $m^3$) in 2002 and 2003 respectively. Côte d'Ivoire's production followed an opposite trend, slumping 26% between 2001 and 2003 due to political problems during the period. After a slight decline of 6% in 2002, production in the Philippines jumped sharply by 43% to 294 000 $m^3$ in 2003. Gabon was the only other ITTO producer member that had veneer production of more than 100 000 $m^3$ in 2002.

ITTO consuming countries produced 517 000 $m^3$ of tropical veneer in 2002, down nearly 6% from 2001 levels. Production dropped a further 6% in 2003. Production of tropical veneer in consumer countries in 2002 was split between the EU (40%), China (including Hong Kong and Macao S.A.R.s, 18%), Japan (8%) and Taiwan Province of China (6%). Japan, China and Taiwan Province of China consume virtually all of the veneer they produce, however, while well over half of the total produced in Europe is re-exported (mainly to other European countries). EU production leapt 60% to 205 000 $m^3$ in 2002 but fell 5.4% to 194 000 $m^3$ in 2003. Japan's production of tropical veneer fell by 33% to 40 000 $m^3$ in 2002 and remained stable in 2003. Japan's tropical veneer production has more than halved between 1999 and 2003 as its tropical veneer and plywood industries have contracted together with log availability and the economy.

***Consumption***

Consumption of veneer in the furniture and other secondary processing industries of ITTO member countries plunged by 12.4% in 2002 to 2.4 million $m^3$. Consumption rebounded by 9.2% to over 2.6 million $m^3$ in 2003. Aggregate consumption of tropical veneer in consumer countries caused most of the decline in 2002, falling by 6.5% to 1.4 million $m^3$. Consumption in ITTO consumer countries rose 9.2% in 2003 to just under 1.2 million $m^3$. Figure 13 shows the major ITTO consumers of tropical veneer from 2001-2003.

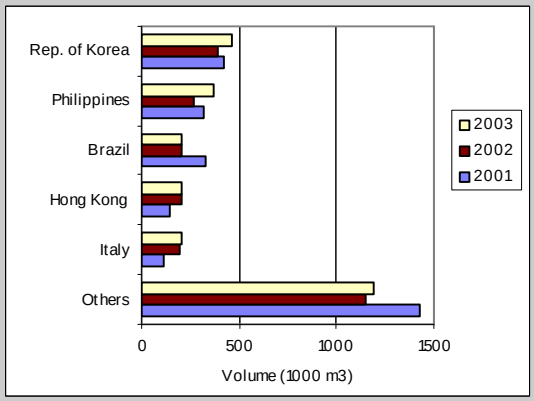


**Fig. 13 Major Tropical Veneer Consumers**

Korea became ITTO's largest tropical veneer consumer in 2002, overtaking the Philippines and Brazil. Despite a drop of 8% in 2002, Korean tropical veneer consumption rose from 423 000 $m^3$ in 2001 to 465 000 $m^3$ in 2003. The Philippines, with 266 000 $m^3$ (down 17% from 2001), was ITTO's second largest tropical veneer consumer in 2002, accounting for 11% of total ITTO veneer consumption. Brazil became ITTO's third largest tropical veneer consumer after dropping 37% to 209 000 $m^3$. All of the countries in Figure 13 either remained stable or increased tropical veneer consumption in 2003. China, once among the top five tropical veneer consumers, decreased consumption sharply (by 68%) between 2001 and 2003, as veneer imports previously used in the plywood industry have been replaced by domestic plywood production using imported tropical logs.

***Imports***

Many importing countries do not differentiate between the various types of veneer and plywood (e.g. softwood/hardwood, temperate/tropical) in trade statistics. For plywood, different species of veneers (softwoods and hardwoods) are increasingly used in production. The lack of resolution in trade statistics is compounded by the fact that countries use a wide variety of scales to measure trade in panel products. Some countries use volume (as is reported here), some use surface area and still others use weight. All of these can be reported in metric or imperial units, depending on the country. Many countries report only aggregate trade in all veneers and panels (tropical and non-tropical). Some also aggregate veneer and plywood into a single category. The discrepancies in trade partner reports in Appendix 2 for veneer are at least partially due to the use of different conversion factors in different countries. The adoption of a standard measurement system for veneer and panel products is a priority if improvements in the accuracy of these statistics are to be achieved.

Figure 14 shows the major ITTO veneer importers for 2001-2003, ranked in order of 2002 import volume. Total ITTO tropical veneer imports decreased 6.5% to just under 1.2 million $m^3$ in 2002, followed by an increase of 14.6% in 2003. Korea became the largest ITTO tropical veneer importer in 2002, overtaking China, with 240 000 $m^3$. It consolidated this position with a 39% increase to 334 000 $m^3$ in 2003. Meanwhile, China's imports dropped 45% to 161 000 $m^3$ in 2002 and a further 23% to 124 000 $m^3$ in 2003 as it met its veneer needs increasingly via production from imported tropical logs. Japan imported 39 000 $m^3$ of tropical veneer in 2002, a 13% decrease from 2001 levels, further decreasing by 21% in 2003 to 31 000 $m^3$. Formerly a major tropical veneer importer, Japan is now a less significant importer than producer countries like the Philippines and Malaysia. The EU absorbed 288 000 $m^3$ and 299 000 $m^3$ of tropical veneer in 2002 and 2003 respectively, around one-fifth of total ITTO imports in both years. The majority of European imports are from African producers (mainly Côte d'Ivoire, but increasingly also from Gabon and Ghana).

***Exports***

Figure 15 shows the top ITTO tropical veneer exporters in 2001-2003, ranked in order of 2002 export volume. Total ITTO producer member exports increased by 8% to almost 1.3 million $m^3$ in 2002. ITTO producer country veneer exports declined by 1.7% in 2003. Malaysia continues to be ITTO's dominant veneer exporter, with exports of 601 000 $m^3$ in 2002 accounting for 47% of total ITTO producer member exports. Appendix 2 (Table 2-3) shows that Malaysian exports are mainly directed to China, the Republic of Korea, Taiwan Province of China, the Philippines and Japan.

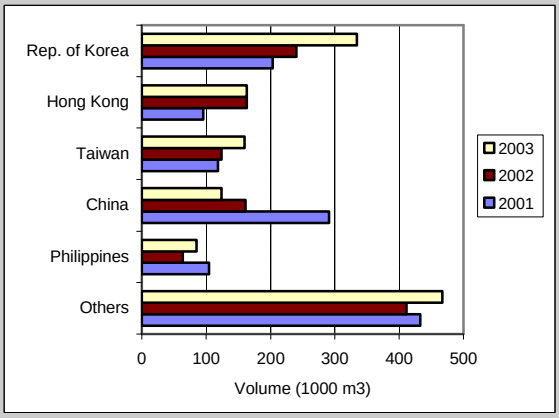


**Fig. 14 Major Tropical Veneer Importers**

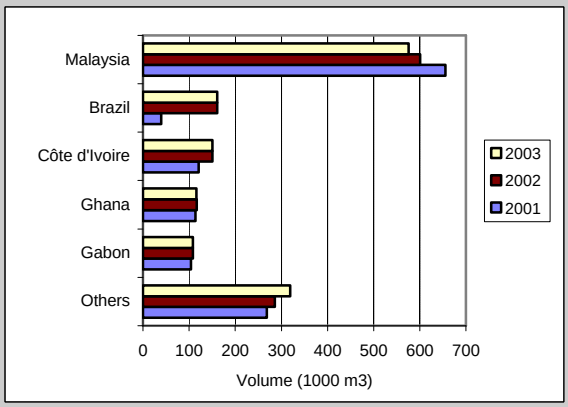


**Fig. 15 Major Tropical Veneer Exporters**

Brazil overtook Côte d'Ivoire to become the second largest tropical veneer exporter in 2002 at 161 000 $m^3$, a surge of 310% from 2001 exports. This sharp rise was partly due to Brazil's falling currency making its exports more attractive, but may also be due to inclusion of coniferous veneer in Brazil's trade statistics – this is being investigated. Brazil's exports remained stable in 2003. Côte d'Ivoire, the third largest tropical veneer exporter, increased exports by 25% (to 151 000 $m^3$) in 2002 and remained stable at this level in 2003 despite political strife in the country. Ghana and Gabon are ITTO's fourth and fifth largest tropical veneer exporters with 117 000 $m^3$ and 108 000 $m^3$ respectively in 2002.

The EU accounted for 103 000 $m^3$ of total consumer country tropical veneer exports of 144 000 $m^3$ in 2002, with 2003 levels of EU exports dropping 14.4% to 88 000 $m^3$. France, Germany, Spain and the Netherlands are the largest EU tropical veneer exporters. Total exports by ITTO consumer countries increased to 175 000 $m^3$ in 2003, led by increased exports from China.

***Prices***

The international market for veneers remains small (around 5% of ITTO producers' total export value of primary tropical timber products in 2002) and is mainly for decorative sliced veneer. The market for sliced veneer is rather specialized and there are no clear benchmark species whose prices reflect overall market trends. Tropical veneer prices are, therefore, not included in the coverage of the ITTO MIS and also are not regularly quoted by any other available source. Appendix 1 (Tables 1-2-b and 1-2-d) shows the average unit value of tropical veneer imports and exports, while Appendix 3 provides details of the species and (in some cases) grades of veneer traded by countries together with average prices. Appendices 1 and 3 show that consuming country exports of tropical veneer were usually of much higher value than those from producer countries, with the difference more pronounced than for other tropical products.

## Plywood

***Production***

Production of plywood in ITTO producing countries totalled 13.5 million $m^3$ in 2002. Plywood production in producing countries decreased by nearly 5% in 2002 and declined a further 1.1% in 2003. The main ITTO plywood producers in 2001-2003 are shown in Figure 16.

Plywood production by Indonesia, by far the top ITTO producer, dropped by 10% from 2001 levels to 6.6 million $m^3$ in 2002 and remained stable in 2003. Malaysia's plywood production increased slightly in 2002, by 1% to over 4.3 million $m^3$. Malaysian production decreased 2% in 2003. Plywood production has declined significantly in the last five years in both Malaysia and Indonesia (by 3% and 13% respectively) due to tight log supplies and crackdowns on illegal log flows. The Asian region produced 11.8 million $m^3$ of plywood in 2002 (about 87% of total producer member production), Latin America produced just over 1.3 million $m^3$ (10%) and Africa produced 448 000 $m^3$ (3%).

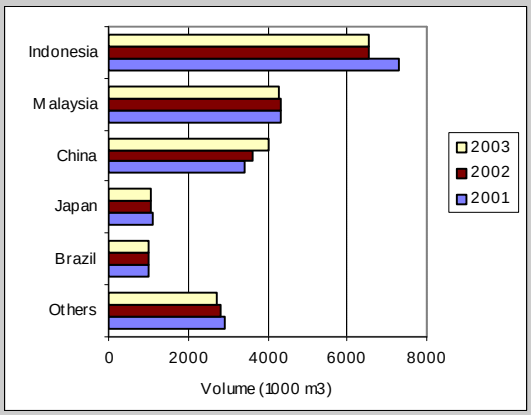


**Fig. 16 Major Tropical Plywood Producers**

Production in China, the third largest producer of tropical plywood, increased by 6% to 3.6 million $m^3$ as a result of production from its continuously increasing tropical log imports. Chinese tropical plywood production rose a further 11% to 4 million $m^3$ in 2003. China has nearly doubled its tropical plywood production in the last five years to keep pace with the demand of its growing construction sector and to feed a growing export sector.

Tropical plywood production in Japan decreased by 5% in 2002 to slightly over 1 million $m^3$, remaining stable in 2003. Brazilian production remained stable at 1 million $m^3$ in both 2002 and 2003. India, Korea, Taiwan Province of China and the Philippines all produced at least 300 000 $m^3$ of tropical plywood in 2002.

ITTO consuming countries produced 5.8 million $m^3$ of tropical plywood in 2002 (about 30% of total ITTO production), a 1% decrease from 2001. ITTO consuming countries' production rose to 6.2 million $m^3$ in 2003, due to increases in Chinese and Korean production. Japan's production has halved in the last five years and is now less than one-fifth of plywood imports. This is a big change from the situation that existed from 1945-95, when domestic production consistently exceeded imports. As mentioned in previous Reviews, Japanese plywood manufacturers are increasing the proportion of softwoods used in plywood production, as well as introducing lamination and other techniques to allow re-use of concrete form-ply. Substitution by reconstituted panels is also occurring. In addition, several plywood manufacturers from Japan (as well as from Taiwan P.O.C. and elsewhere) have established joint ventures for plywood and other panel products in producer countries where costs are lower.

***Consumption***

The three tropical regions of Asia, Latin America and Africa consumed 22%, 36% and 59%, respectively, of their plywood production domestically in 2002. Asia's relatively low consumption/ production ratio is due to the export led industries of Malaysia and Indonesia, although domestic consumption is increasing.

Figure 17 shows the top ITTO consumers of tropical plywood for 2001-2003. Aggregate consumption in consumer countries increased to over 15 million $m^3$ in 2002 due to increases in Korea (16%) and the USA (27%). Korea's consumption declined by 7% in 2003 to below 1.5 million $m^3$. The USA's consumption continued to increase, however, rising by 2% in 2003. Despite a 2% setback in 2002, Chinese consumption grew by 12% in 2003 to 4.2 million $m^3$. While Chinese consumption is predicted to remain strong, tropical plywood consumption in most traditional markets will at best remain stable in future as substitutes and more efficient uses are increasingly adopted. In contrast to China, Japanese consumption declined by 16% in 2003 to 4.8 million $m^3$.

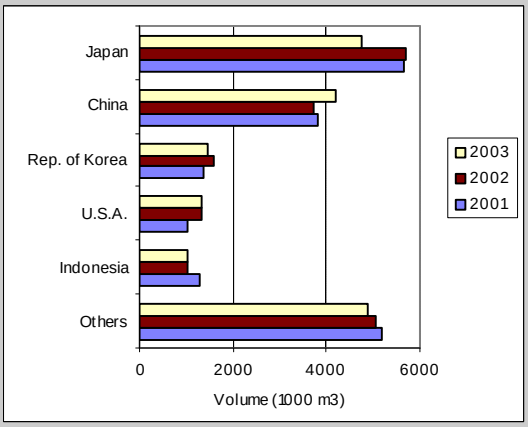


**Fig. 17 Major Tropical Plywood Consumers**

Aggregate consumption of plywood in producing countries decreased by 3.4% from 3.7 million $m^3$ in 2001 to 3.3 million $m^3$ in 2002, due largely to decreased consumption in Indonesia and Malaysia. Consumption decreased a further 7.4% in 2003 to 3.1 million $m^3$ due to decreases in Malaysia and the Philippines.

***Imports***

Figure 18 shows the major ITTO plywood importers for 2001-2003, ranked by import volume in 2002. Total ITTO imports of tropical plywood increased by 4.3% to 10.3 million $m^3$ in 2002, but decreased by nearly 7% to 9.7 million $m^3$ in 2003.

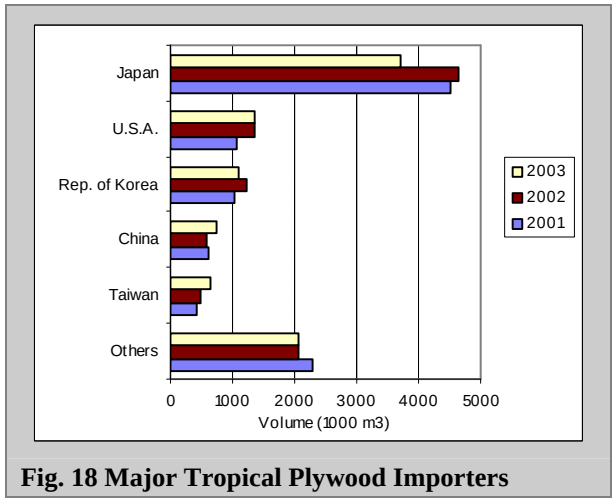


**Fig. 18 Major Tropical Plywood Importers**

The majority of all tropical plywood imports are sourced from Indonesia and Malaysia (57% and 26% respectively in 2002 for the top importer, Japan). As noted in the plywood production section, Japan continues to replace domestic hardwood plywood production with softwoods, imported plywood (tropical and non-tropical) and substitutes like OSB and MDF. Although its tropical plywood imports decreased by 20% to 3.7 million $m^3$ in 2003, the recent trend toward increasing plywood imports by Japan is partially due to its difficulty in obtaining tropical logs for domestic production in the face of competition from China. Low prices (compared to the cost of domestic production) also continue to make imported plywood more attractive than domestic production. As shown in Appendix 2, Japan is now importing significant quantities of low-priced tropical plywood from China.

The USA was ITTO's second major plywood importer in 2002 at over 1.3 million $m^3$, a jump of 27% from 2001 levels. The USA received 43% of this plywood from Indonesia, 30% from Malaysia and most of the rest from Latin America. US imports rose another 2% in 2003 to nearly 1.4 million $m^3$. Korea remained ITTO's third largest tropical plywood importer in 2002, at over 1.2 million $m^3$. Indonesia traditionally supplied most of Korea's plywood imports, but Malaysia has increased its share rapidly, from 18% in 1995 to 42% in 2002. China's imports dropped 6% in 2002 to 585 000 $m^3$ but rose 25% to 728 000 $m^3$ in 2003. Chinese imports have declined by a quarter since 1999 as authorities moved to increase domestic plywood production from imported logs to boost employment and offset reduced domestic log supplies. Tariffs on imported plywood are 15%, compared to zero for logs. Taiwan Province of China (483 000 $m^3$) was also a substantial tropical plywood importer

in 2002, from Indonesia (53%), Malaysia (39%) and China (7%).

EU imports of tropical plywood totalled 1.3 million $m^3$ in 2002, a 7% decrease from 2001 levels. EU imports are led by the UK, Belgium, the Netherlands, and Germany. Most of the EU's tropical plywood also came from Indonesia and Malaysia, with Brazil and inter-European trade also playing a fairly large role in many countries' imports. China continued to export small but growing amounts of tropical plywood to the EU, particularly to the UK where quality and pricing concerns regarding this product have been raised. European imports of tropical plywood were stable in 2003.

***Exports***

Figure 19 shows the major ITTO tropical plywood exporters in 2001-2003. In 2002, ITTO producer exports declined 4.6% to 10.3 million $m^3$. Tropical plywood exports by producers rose slightly in 2003 to 10.4 million $m^3$. Indonesia continues to dominate the trade in tropical plywood with the 5.5 million $m^3$ exported in 2002 constituting 54% of total ITTO producer member exports, although this is down from highs of almost 10 million $m^3$ (or 85% of total ITTO producer exports) in the early 1990s. Indonesia's exports were estimated to have remained stable in 2003 but will likely drop further in future due to log shortages.

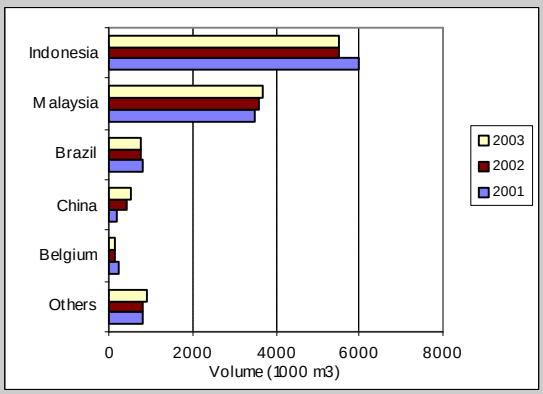


**Fig. 19 Major Tropical Plywood Exporters**

Malaysia is Indonesia's major competitor in the tropical plywood trade. Malaysian exports increased by 3% to 3.6 million $m^3$ in 2002, and a further 2% to 3.7 million $m^3$ in 2003. Malaysia was a major supplier to the Chinese plywood market in the 1990s and has diversified its plywood customers following that country's switch to log imports. Malaysia's rapid growth in plywood exports up to 1998 (when exports approached 4 million $m^3$) was due to the construction of new plywood mills in Sabah and Sarawak to process formerly exported veneer logs and log imports from Indonesia; the two eastern Malaysian states account for almost all of the country's plywood exports. The restrictions on Indonesia's log exports imposed in 2002 led to decreased production and exports from these mills. Malaysia's exports are now mainly to Japan, Korea and the USA.

Latin American tropical plywood exports decreased 11% in 2002 to 868 000 $m^3$ due to a 10% decline in Brazil's exports to 747 000 $m^3$. Brazil's tropical plywood exports remained stable in 2003. The USA and the EU (mainly the UK, Germany and Belgium) are the major markets for Brazil's hardwood plywood. Africa's plywood exports remained relatively minor at 195 000 $m^3$ in 2002 but have grown rapidly in the past 5 years due to increased exports from Cameroon, Côte d'Ivoire, and Ghana.

Although tropical plywood exports from the EU dropped 16% in 2002, ITTO consumer country exports increased by almost 23% to 991 000 $m^3$ (slightly more than half from the EU) due to a sharp increase in exports by China. China's boom in tropical plywood exports to markets like the EU, Taiwan P.O.C. and Japan is notable since it is largely based on logs sourced from ITTO producer country exporters, many of which have been steadily losing share in these plywood markets. Consumer country exports of tropical plywood rose 15% to almost 1.1 million $m^3$ in 2003, again led by increases from China.

***Prices***

Appendix 4 includes graphs showing recent trends in real FOB prices for various grades and thicknesses of Indonesian, Malaysian and Brazilian plywood. The main tropical species used in the manufacture of plywood for export in 2001-2002 are given in Appendix 3. Three graphs showing imported Indonesian plywood price trends in Japan (the major import market for the product) from 1992 to the end of 2003 are also included for reference.

Prices for plywood remained well below pre-crisis levels of the mid-1990s in 2002 and 2003 due to depressed construction sectors in major importing markets and growing substitution by softwood plywood in the construction sector and other panels in furniture and joinery end-use markets. Plywood prices in all three of the exporting countries were generally declining

between 1998 and 2002 but a slight improvement in demand lifted prices marginally in 2003.

For Asian plywood, the focus of this analysis is on Indonesian prices, which are closely correlated with Malaysian prices. After reaching record lows in early 2002, prices of Indonesian BB/CC moisture resistant (MR) plywood rose in the third quarter of that year to about $249/m^3$ ($280/m^3$ nominal), $204/m^3$ ($230/m^3$ nominal) and $166/m^3$ ($188/m^3$ nominal) for 2.7 mm, 3 mm and 6-18 mm thicknesses, respectively. These increases, largely due to reduced availability of logs, still left prices at less than half of the highs observed in 1996.

Indonesian plywood prices lost momentum in the last quarter of 2002, giving up some of the gains made in the previous quarter as buyers in Japan and China resisted further price increases. The 2.7 mm, 3 mm and 6-18 mm panels were trading at $211/m^3$ ($238/m^3$ nominal), $175/m^3$ ($198/m^3$ nominal) and $151/m^3$ ($170/m^3$ nominal), respectively, in late 2002. In early 2003, the Japanese authorities announced that building codes were being amended and new standards (Japan Agricultural Standards, JAS) for low formaldehyde emissions would be introduced in July 2003 on plywood for structural use. Early in the year, there was brisk trade in non-JAS panels but as many tropical plywood mills were slow in modifying production and in arranging for independent inspections, plywood export volumes fell. By year-end, the majority of tropical plywood manufacturers in Indonesia and Malaysia serving the Japanese market began to manufacture to the new standards and were able to regain market share and benefit from a slight increase in prices. By late 2003, prices for 2.7 mm, 3 mm and 6-18 mm plywood had risen to $220/m^3$ ($253/m^3$ nominal), $195/m^3$ ($225/m^3$ nominal) and $142/m^3$ ($163/m^3$ nominal), respectively, on the back of increased demand, especially in Japan. Price gains reflected declining log availability, increased control on illegal logging and rising freight rates.

Further prices rises were prevented as mounting concern over illegal logging led some large importers to switch away from Indonesian plywood altogether. In late 2003, the European Commission was developing a regulation that would allow the EU to reach agreements (known as Forest Law Enforcement, Governance and Trade (FLEGT) partnership agreements) with timber exporting countries. Under these agreements, exporting countries would be responsible for issuing “legality licenses” for all timber exported to the EU. Indonesia was expected to be the first country to sign such a partnership agreement. Japan, by far the largest export market for Indonesian plywood, had also announced through its Ministry of Environment the preliminary development of a similar system for independent certification of origin and legality. The impact of such schemes on demand, supply and prices of plywood and other tropical timber products is still uncertain.

Brazilian tropical plywood prices have also significantly declined in recent years. Prices of white virola plywood (5.2 mm), the most popular Brazilian product, declined despite volume shortages caused by the closure of some virola plywood mills in the Amazon. Prices of white virola plywood reached a record low in late 2001 of $193/m^3$ ($215/m^3$ nominal) and remained at that level during the first quarter of 2002. Prices rose to $231/m^3$ ($260/m^3$ nominal) in the third quarter of the year but fell back to new record lows in late 2002 due to the depreciation of the Brazilian real. Prices of white virola stabilized in the first three quarters of 2003 and rose sharply in the last quarter of the year to $227/m^3$ ($260/m^3$ nominal). In early 2003, Brazilian exporters initiated a trade dispute with European importers over the UK "Wood for Good" timber promotion campaign. This encouraged the use of plywood that complied with the BS (British Standard) 5268 norm Part 2, which happened to be manufactured only in Finland, the USA, Canada, the UK and Sweden. In addition, new requirements for compulsory “CE marking” for the manufacture of structural plywood are scheduled for introduction in the EU in April 2004 (norm EN 13986). Brazilian (and other) plywood manufacturers had to develop a strategy to comply with the new EU rules. Brazilian exporters were able to begin manufacturing to the new requirements by late 2003. The expectation of “CE marked” compliance helped to drive up white virola plywood prices in late 2003.

Prices for Brazilian pine plywood (15 mm), included here for comparison purposes, were less severely affected during the 1997-98 market turbulence than Brazil's tropical plywood exports. However, pine plywood prices still declined steadily from early 1999 up to 2001. By the end of 2001, prices of pine plywood had dropped 40% to $141/m^3$ ($159/m^3$ nominal), a three-year low. Brazilian plywood producers blamed weak demand in Europe for the price drop and reported that increases in log and resin prices had also

affected profit margins. Pine plywood prices recovered slightly throughout 2002 to $155/m^3$ ($175/m^3$ nominal) by late 2002. Higher prices and stronger demand for tropical plywood caused many mills in southern Brazil to reduce pine plywood production, contributing to the increase in prices. In the first half of 2003, pine plywood prices remained steady but by mid-year the strength of housing demand in the USA started to have an impact on demand. As demand in the USA started to increase, Brazilian exports to Europe began to fall and prices began to move up. By late 2003, Brazilian pine plywood prices had increased significantly to $188/m^3$ ($215/m^3$ nominal), with further increases expected for "CE marked" plywood. Strong demand for pine plywood, notably from the USA, was encouraging more Brazilian mills to increase softwood plywood production by year-end.

The graphs for C&F prices of Japanese plywood imports from Indonesia in Appendix 4 show that after halving during the Asian economic crisis, real prices for concrete form panels, floor base and thin panel were mostly declining until early 2002 due to a downturn in the Japanese construction sector. The three plywood grades rose sharply in the third quarter of 2002 to about $313/m^3$ ($353/m^3$ nominal), $373/m^3$ ($420/m^3$ nominal) and $417/m^3$ ($470/m^3$ nominal), respectively, as the effects of tighter Indonesian log supplies were felt. However, prices of Japanese plywood imports lost ground in early 2003, falling back to 2002 levels as many Indonesian plywood mills were slow to adjust to the new JAS regulations on formaldehyde emissions referred to above, giving a boost to alternative suppliers and domestically produced plywood. Real prices for concrete form panels, floor base and thin panel imported from Indonesia increased gradually through the remainder of the year as plywood manufacturers started manufacturing JAS compliant plywood. By late 2003, prices for the three plywood grades were at $277/m^3$ ($318/m^3$ nominal) for concrete form, $321/m^3$ ($368/m^3$ nominal) for floor base and $415/m^3$ ($475/m^3$ nominal) for thin plywood.

## Reconstituted Panels

Substantial quantities of reconstituted panel products, particularly particleboard and MDF, are now being produced in several tropical countries in Asia and Latin America. Many new plants are now operational or soon will be to meet the increasing demand for such products. Reconstituted panel products will become increasingly important as limits on the growth of plywood production are reached and as more countries move further into downstream processing and attempt to utilize available resources more efficiently. These panels will substitute for plywood and sawnwood in many uses, resulting in decreasing or slower growth in production and exports of traditional tropical timber products in many countries. This section provides statistics on production and trade of reconstituted panel products by ITTO producer countries based on the data contained in Appendix 1-3. Final data for these products was only available to 2002 at the time of preparation. The analysis focuses on particleboard and fibreboard (including hardboard, MDF and insulating board), of which MDF is by far the largest component in tropical countries' production and trade.

***Production***

Figure 20 shows the major ITTO reconstituted panel producers for 2002. Particleboard production in ITTO producer countries rose by almost 3% to over 3.6 million $m^3$ in 2001, but declined slightly by 1% in 2002. Particleboard production in ITTO producer countries increased nearly 73% between 1998 and 2002, from 2.1 million $m^3$ to 3.6 million $m^3$, which accounted for 4.3% of world production.

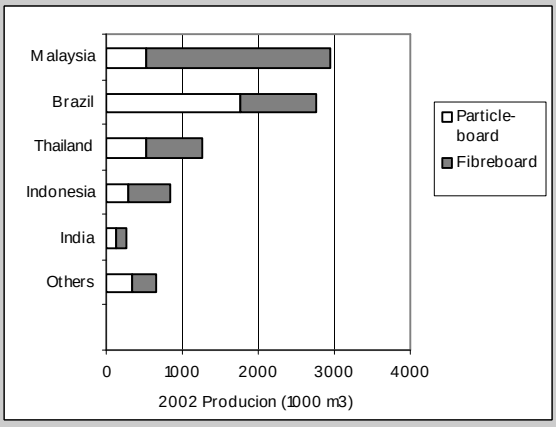


**Fig. 20 Major Reconstituted Panel Producers**

Particleboard production by Brazil, by far the top ITTO tropical producer, remained stable at 1.8 million $m^3$ in 2001 and 2002. Brazilian particleboard production accounts for nearly 50% of the ITTO producer total. Brazil's reconstituted panel production is largely based on its non-tropical pine resource. Thailand, the second largest ITTO tropical particleboard producer,

increased production by 7.6% to 538 000 $m^3$ in 2001 and remained at this level in 2002. Thailand's production has more than doubled in the past 5 years. Malaysia also increased its particleboard production by 17.4% to 534 000 $m^3$ in 2001, while Indonesia declined by 1% to 297 000 $m^3$ for the same year. India maintained an output of 143 000 $m^3$ in 2001. All three countries either decreased output or at best remained stable in 2002. In Thailand and Malaysia, rubberwood is the main source of raw material for particleboard mills.

Fibreboard production in ITTO producer countries grew by almost 35% to 4.8 million $m^3$ in 2001, increasing another 6.6% to 5.1 million $m^3$ in 2002. ITTO producers now constitute around 13% of world production. Fibreboard production by Malaysia, the largest tropical ITTO producer, surged 89% to 2.4 million $m^3$ in 2001, but remained stable in 2002. Malaysia's fibreboard consists of MDF and insulating board (1.4 million $m^3$ and 1 million $m^3$ respectively in 2002). It is the largest ITTO producer manufacturer of both types of panels. Malaysia had 14 MDF mills in 2002, the majority of which used rubberwood raw material.

Brazil is the second largest ITTO fibreboard producer. Its output was stable in 2001 at 1 million $m^3$, and remained at this level in 2002. Brazilian fibreboard production was composed of 56% hardboard, 38% MDF and 6% insulating board (559 000 $m^3$, 381 000 $m^3$ and 61 000 $m^3$ respectively) in 2002. Brazil is the largest ITTO hardboard producer.

Fibreboard production in Indonesia and Thailand has experienced continuous growth since 1997. Indonesia increased production by 5.7% to 557 000 $m^3$ in 2001 and remained stable in 2002, while Thailand's (rubberwood based) fibreboard output increased from 602 000 $m^3$ to 724 000 $m^3$ for the same period. Thai fibreboard production was composed of 13% hardboard, 61% MDF and 26% insulating board (92 000 $m^3$, 442 000 $m^3$ and 190 000 $m^3$ respectively) in 2002, while Indonesian fibreboard production was 27% hardboard, 41% MDF and 32% insulating board (150 000 $m^3$, 229 000 $m^3$ and 178 000 $m^3$ respectively).

Venezuela produced 12 000 $m^3$ of fibreboard in 2001, but production leapt almost 15-fold to 178 000 $m^3$ in 2002 due to new production capacity for hardboard and MDF. Venezuelan fibreboard production was composed of 51% hardboard and 49% MDF (90 000 $m^3$ and 87 000 $m^3$ respectively) in 2002.

***Imports***

Figure 21 shows the major ITTO producer country reconstituted panel importers in 2002. Particleboard imports by ITTO producer countries declined by 15.4% to 279 300 $m^3$ in 2001 due to a similar drop in Brazilian imports but recovered by 4.5% to nearly 292 000 $m^3$ in 2002. Brazil is the largest ITTO particleboard importer, but imports dropped by 39% to under 74 000 $m^3$ in 2001 and remained at this level in 2002. Malaysia and Peru both imported over 25 000 $m^3$ each in 2002.

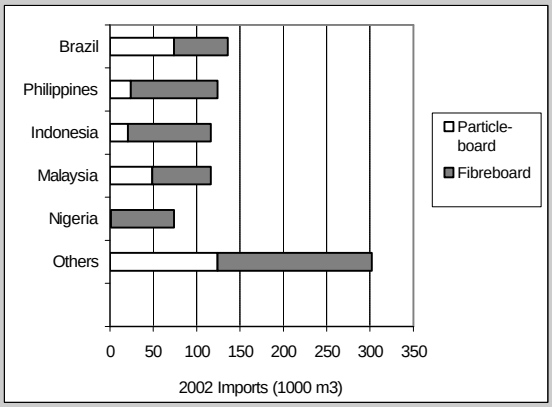


**Fig. 21 Major Reconstituted Panel Importers**

Fibreboard imports by ITTO producer countries rose by 2.5% to almost 447 000 $m^3$ in 2001 and climbed a further 29% to over 576 000 $m^3$ in 2002. The Philippines is the largest ITTO producer fibreboard importer, with annual imports averaging around 100 000 $m^3$, mostly MDF (for which it is also the largest producer importer). Indonesia was the second largest ITTO fibreboard importer in 2002 with 96 200 $m^3$, a 157% increase from 2001. This was due to growth in its imports of all types of fibreboard: hardboard was up 9%, MDF grew by 67% and insulating board by 24%. Nigeria, Malaysia and Brazil all imported over 50 000 $m^3$ of fibreboard in 2002.

***Exports***

Figure 22 shows the rapid growth of ITTO producer country exports of reconstituted panels over the 1990-2002 period. This growth has been driven by an impressive expansion in exports by Asia, particularly Malaysia (up 2015% since 1990) Thailand (up over 400%) and Indonesia (up 252%), the three largest ITTO producer exporters.

Asia accounted for 75% of ITTO producer exports of reconstituted panels in 2002. By comparison, exports by Brazil (mainly of fibreboard) have increased more slowly, growing by 19% over the same period due to stronger domestic demand. Brazil was, until the mid-1990s, the largest ITTO producer exporter of reconstituted panels.

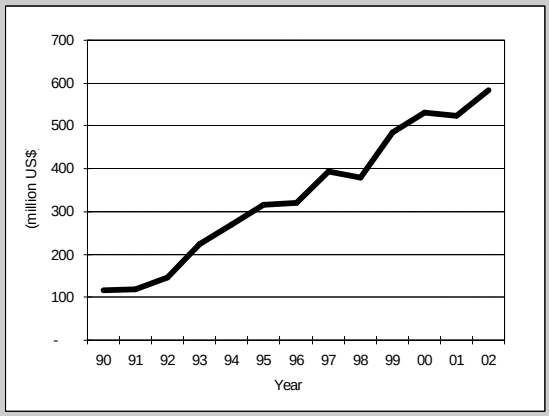


**Fig. 22 Export of Reconstituted Panels by ITTO Producers, 1990-2002**

Figure 23 shows the major ITTO tropical reconstituted panel exporters for 2002. Particleboard exports by ITTO producer countries declined by 7.2% to 1.1 million $m^3$ in 2001 and a further 7.8% to 1 million $m^3$ in 2002. ITTO tropical particleboard exporters have maintained relatively stable exports over the past five years, accounting for around 5% of total world particleboard exports.

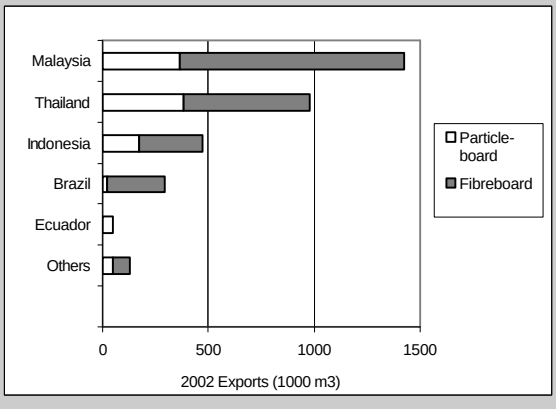


**Fig. 23 Major Reconstituted Panel Exporters**

Thailand and Malaysia have become the two largest ITTO tropical particleboard exporters since 1999 when they both overtook Indonesia. Thailand's particleboard exports increased by 14.3% to 495 000 $m^3$ in 2001, but dropped sharply by 22.6% to 383 000 $m^3$ in 2002. Malaysia decreased exports by 12.8% to 367 000 $m^3$ in 2001 and remained at this level in 2002. Indonesian particleboard exports declined sharply by 34% to 159 100 $m^3$ in 2001, but rose 7.7% to 171 400 $m^3$ in 2002. Ecuador was the largest ITTO particleboard exporter in Latin America in 2002, exporting over 30 000 $m^3$.

Fibreboard exports by ITTO producer countries rose by 13.6% to nearly 2.1 million $m^3$ in 2001, increasing a further 10% to 2.3 million $m^3$ in 2002. ITTO producer countries provide approximately 15% of world exports. Malaysia is by far the largest ITTO tropical fibreboard exporter, having steadily increased its exports in the past 5 years from 730 000 $m^3$ in 1998 to over 1 million $m^3$ in 2002. As mentioned in the production section, Malaysia produces large quantities of both MDF and insulating board, but exports only MDF.

Thailand is ITTO's second largest tropical fibreboard exporter. Like Malaysia, Thailand has continuously increased fibreboard exports over the past 5 years. In 2001, Thai exports increased by 19.2% to 516 000 $m^3$, rising a further 15.5% to 596 200 $m^3$ in 2002. Thai fibreboard exports in 2002 were composed of 13% hardboard, 55% MDF and 32% insulating board. Thailand was the largest tropical insulating board exporter in 2002.

Indonesia is ITTO's third largest tropical fibreboard exporter but its recent growth has been slower than in Malaysia and Thailand. Indonesia increased exports by 2.8% to 285 000 $m^3$ in 2001 and by 5.9% to 301 800 $m^3$ in 2002. Indonesia's fibreboard export composition in 2002 was 36% hardboard, 63% MDF and 1% insulating board. Brazil is also a major ITTO tropical fibreboard exporter, with 272 400 $m^3$ sold abroad in 2002.

## Wood Pulp and Paper Products

The development of capital intensive pulp and paper industries in the tropics has surged in the last decade, with Indonesia, Brazil and Thailand leading the way. This section examines trends in the production and trade of wood pulp (mechanical, semi-chemical, chemical and dissolving) and paper (newsprint, printing and writing, and other paper and paperboard) by ITTO producer countries. The analysis is based on the data in Appendix 1-3.

***Production***

Figures 24 and 25 show the major ITTO tropical producers of wood pulp and paper in 2002. ITTO producers' output of wood pulp was 16.8 million metric tons in 2001, declining slightly by 1.4% to 16.5 million tons in 2002, nearly 10% of the world total. As shown in Figure 24, the vast majority of wood pulp production in most producer countries is chemical pulp, accounting for almost 90% of the 2002 ITTO producer total. Appendix 1-3 shows that almost all of this is sulphate pulp, the majority (80%) of which is bleached.

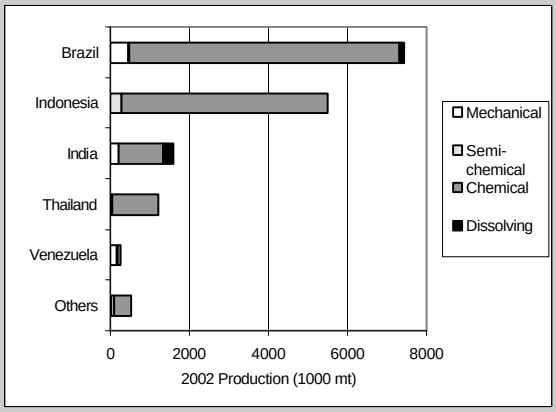


**Fig. 24 Major Wood Pulp Producers**

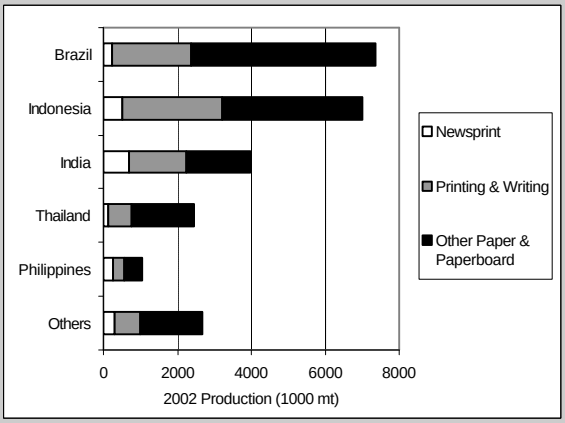


**Fig. 25 Major Paper Producers**

Brazil is ITTO's top tropical pulp producer, at over 7.4 million tons in 2002, unchanged from 2001. Brazil's pulp production, based largely on pine and eucalyptus plantations, grew by almost 10% in the 5 years to 2002. In Indonesia (the second largest tropical pulp producer), recent growth has been much faster, with pulp output surging by 92% from 2.9 million $m^3$ in 1998 to 5.5 million $m^3$ in 2002. Indonesia's pulp industry is based on fast-growing plantations as well as tropical hardwoods from natural forests and pulp imports. India and Thailand are the only other ITTO producers with significant wood pulp production, at 1.6 million $m^3$ and 1.2 million $m^3$ respectively in 2002.

Production of paper in ITTO producer countries totalled 24.5 million tons in 2001 and stayed near that level in 2002. Producer country paper production grew 16% in the 5 years to 2002, when it accounted for less than 8% of the world total.

The major tropical paper producers are the same as for pulp except for the Philippines, as shown in Figure 25. The major category of paper produced in most tropical countries is other paper and paperboard, which comprised almost 59% of the 2002 ITTO producer total (printing and writing paper accounted for 33% and newsprint for 8%). Other paper and paperboard comprises mainly household and sanitary paper and wrapping and packaging paper/paperboard. Of these, wrapping and packaging paper/paperboard is by far the most important for ITTO producers, accounting for almost half of all production.

Brazil's production of paper grew 13.6% to 7.4 million tons in 2001 and remained stable in 2002. Indonesian production surged by 27% from 1998-1999, but has been stable at around 7 million tons since then. Despite 5% drops in 2000, both India and Thailand also maintained relatively stable production for the 1998-2002 period, at just under 4 million tons and almost 2.5 million tons, respectively. The Philippines was at, and Malaysia and Colombia were approaching, the 1 million ton production level in 2002. The Malaysian government is promoting the paper industry with the objective to attain self-sufficiency by 2005, with local production currently meeting just about half of the country's needs.

***Imports***

Figure 26 shows the major ITTO producer country importers of wood pulp. All of the countries are also major pulp producers, and like production, the bulk of all imports (more than three-quarters of the producer total of 2.3 million tons in 2002) is chemical pulp, mostly sulphate bleached. Indonesia, by far the largest ITTO producer wood pulp importer, required close to 900 000 tons per year from external sources between 1998-2001, but imports dropped to 822 100 tons in 2002. Indonesia's plantation program has not kept pace with the capacity of its

pulp mills, thus necessitating substantial imports. Brazil's wood pulp and paper imports in 2002 totalled 437 000 tons, a 37% surge from 1998 levels. Thailand's imports have fluctuated around 400 000 tons, while India's dropped from almost 306 000 tons to just over 204 000 tons between 1998 and 2002.

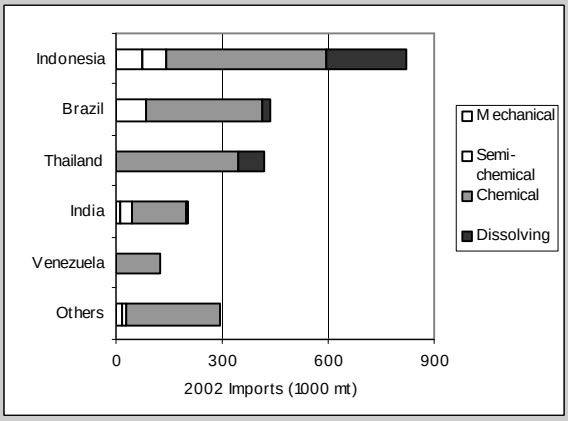


**Fig. 26 Major Wood Pulp Importers**

Figure 27 shows the major ITTO producer importers of paper and paperboard. Except for Malaysia and Colombia replacing Indonesia and Thailand, all of the other countries also appear in the chart for major producers. Aggregate producer imports of paper were almost 5.3 million tons in 2002, down 1.6% from a year earlier. Malaysia was the major producer importer at just over 1.1 million tons in 2002, a 6.3% decrease from 2001 levels and down by more than one-third from 1998 imports. Malaysia's imports will likely continue declining due to the self-sufficiency objective noted previously. Brazil's and India's imports have also been declining, with the drop in Brazil more rapid. Brazil's imports fell over 40% between 1998 and 2002 when they were just under 509 000 tons. India's imports have fallen more gradually, from almost 800 000 tons to just under 620 000 tons over the same period. Unlike the other countries in the chart, the Philippines' imports have risen gradually over the 1998-2002 period to reach 571 000 tons. After substantial fluctuations during the same period, Colombia's imports were 321 000 $m^3$ in 2002, a 13% decline from 1999 levels.

The categories of paper imports are more varied than is the case for production, although the other paper and paperboard category is still largest, at 48% of total 2002 producer country imports (again, mostly wrapping and packaging paper/ paperboard). Newsprint and printing and writing papers each accounted for 26% of total producer imports.

The size of the bar for 'Others' in Figure 27 indicates that many ITTO producers are significant importers of paper and paperboard. In fact, this is the only major forest product for which ITTO producer countries are, in aggregate, net importers, with imports exceeding exports by 38% by weight and by over 56% or $945 million by value. The value gap was about a quarter more than this in 1998, however, indicating the trend towards import substitution and export growth underway in several key countries.

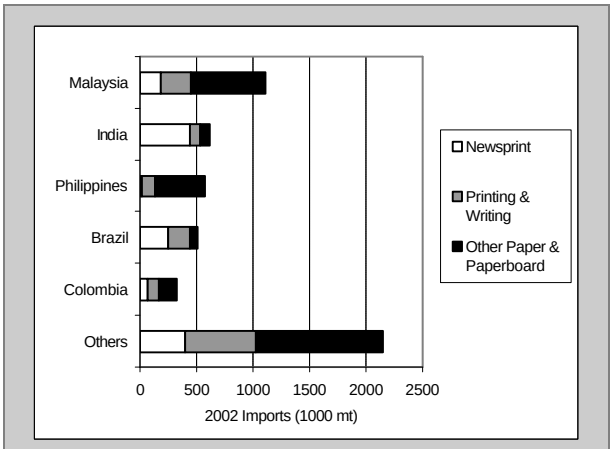


**Fig. 27 Major Paper Importers**

***Exports***

Figure 28 shows the increasing trends in export earnings for pulp and paper in ITTO producing countries since 1990. Pulp and paper exports from ITTO producers have risen by 204% over this period, led by increases in exports from Indonesia (919%) and Brazil (33%). Figure 28 shows separate lines for these two countries to indicate the extent to which tropical pulp and paper exports are led by them.

Indonesia's pulp and paper exports have led ITTO producer exports upward in the last decade and now account for about 46% of the value of total producer pulp and paper exports ($4.3 billion in 2002). Indonesia overtook Brazil in 1998 as the largest ITTO producer exporter of these products in value terms. In Brazil (ITTO's second largest producer exporter by value with about 34% of total exports), pulp and paper exports grew steadily until 1995 before decreasing sharply as production was diverted to meet the growing needs of its domestic market. Exports recovered in 1999 and 2000 due to a devaluation of the real,

but have since declined to $1.5 billion in 2002. Exports by all producers declined in value terms in 2001-2002 (despite increases in quantity in many cases) as prices fell due to the slowing global economy.

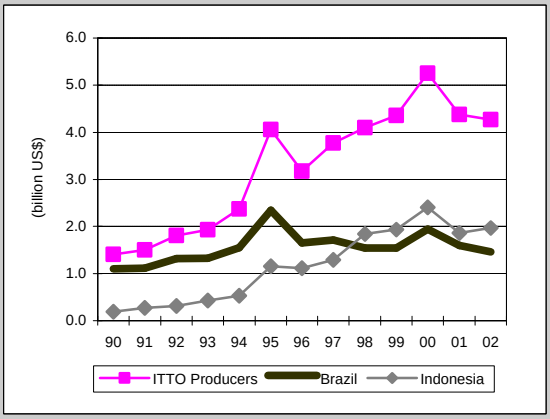


**Fig. 28 Export of Pulp and Paper by ITTO Producers 1990-2002**

Figure 29 shows the main ITTO producer exporters of wood pulp in 2002. There are only 3 significant pulp exporters (Brazil, Indonesia and Thailand), all of whom exported only or primarily sulphate bleached chemical pulp. Wood pulp exports by ITTO producers totalled 5.1 million tons in 2002, led by Brazil where exports declined by over 22% to 2.6 million tons. Indonesia's pulp exports rebounded by 32% to 2.2 million tons in 2002. After rapid growth of 59% between 1998-2001, Thai exports suffered a sharp decline of 44% to 191 000 $m^3$ in 2002. Total ITTO producer pulp exports accounted for almost 13% of global trade in 2002.

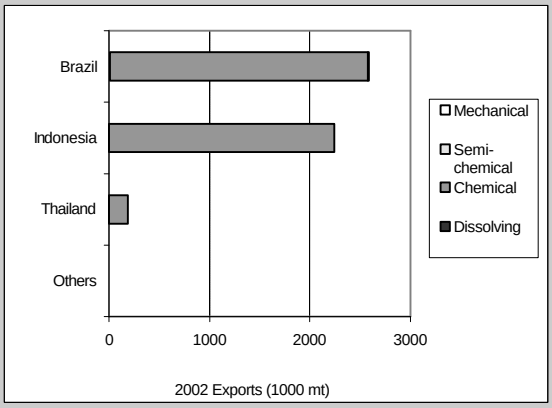


**Fig. 29 Major Wood Pulp Exporters**

Figure 30 shows the major ITTO producer paper exporters in 2002. Indonesia, by far the largest ITTO producer paper exporter, increased exports by 1.4% to 2.3 million tons in 2002. Indonesia's exports approached 3 million tons in 1999, but have since fallen by nearly 20%. Values have dropped less sharply than quantities, slumping almost 13% from 1999 to 2002. Most of Indonesia's exports are printing and writing paper (63% in 2002), with the bulk of the remainder wrapping and packaging paper/paperboard (23%) and newsprint (14%). Thailand and Brazil exported 787 000 tons and 452 000 tons of paper respectively in 2002, with the main categories for both wrapping and packaging paper/paperboard and printing and writing paper. The Philippines and Malaysia are smaller but growing exporters, with 171 000 and 149 000 tons shipped abroad respectively in 2002. ITTO producers accounted for less than 5% of global paper exports in 2002.

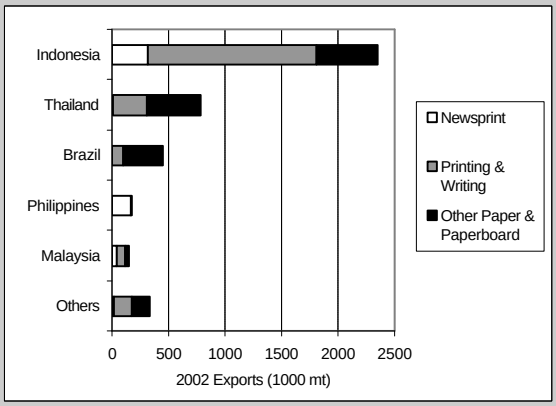


**Fig. 30 Major Paper Exporters**

# SECONDARY PROCESSED WOOD PRODUCTS

The importance of secondary processed wood products (SPWP) to ITTO members is indicated by their inclusion in both the ITTA's objective of promoting further processing of tropical timbers and Goal 1 of the ITTO Yokohama Action Plan providing for the Organization to undertake "regular assessments … on secondary products". The SPWP trade data presented here was extracted from the UN Commodity Trade Statistics (COMTRADE) database, which contains time series of trade statistics to 2002 for developed and some developing countries. This chapter is based on these trade value data for the 1998-2002 period, which are summarized as Tables 5-1 to 5-8 in Appendix 5, as well as any information on further processing provided by members in their responses to the 2003 Joint Forest Sector Questionnaire.

All trade data for China in these Tables includes aggregate figures from mainland China, Hong Kong S.A.R. and Macao S.A.R., with a breakdown provided in Table 7 (page 40). Producer totals may be under-estimates due to non-reporting or partial reporting to COMTRADE by some countries, especially for 2002. Table 5 shows the ITTO member countries that had provided no or partial trade data to COMTRADE as of late 2003 for the 1998-2002 period. Several ITTO African countries do not provide any trade data to COMTRADE whatsoever, with three out of ten African member countries providing data for 2002. Similarly, Cambodia, Myanmar and Vanuatu in Asia-Pacific had not reported any data to COMTRADE for any of the five years between 1998 and 2002 by the end of 2003. Table 5 also shows that overall 18 out of 56 ITTO members had not provided data for 2002 to COMTRADE by the end of 2003, including three EU countries. Mirror statistics from partner countries and/or JQ responses (where available) were used to supplement missing information and to generate aggregate totals in Tables 5-1 to 5-8 of Appendix 5.

Some apparent anomalies arise in the COMTRADE data due to partial or non-reporting by countries and errors in reporting. For example, the value of ITTO consumer imports from producer countries in Table 5-1 exceeded the value of producer exports to consumer countries in Table 5-7 by 51% in 1998, a difference too large to be accounted for only by insurance and freight charges. This difference dropped to 20% in 2001, which is more reasonable considering the usual cost, insurance and freight (CIF) basis of import reports. Figures in Tables 5-1 to 5-8 in Appendix 5 have been ranked by 2001 trade figures, the reference year in this analysis, since (as noted above) 2002 figures were still preliminary or missing in many cases at the time of downloading the data from COMTRADE in late 2003.

### SPWP Trade

Table 6 shows the SPWP categories considered in the analysis and their corresponding trade nomenclature in the Standard International Trade Classification, Revision 3 (SITC, Rev.3) and in the 1996 and 2002 versions of the Harmonized Commodity Description and Coding System of the Customs Cooperation Council (Harmonized System or HS 96/02). The primary categories of tropical SPWP in trade are wooden furniture (the major category, accounting on average for two-thirds of trade values); builder's woodwork (joinery and other builder's wood); other SPWP (packing, boxes and the like; casks, barrels, vats and other cooper's products; picture frames; table/kitchenware and other articles for

**Table 5. ITTO Members with COMTRADE Data Gaps, 1998-2002**

| 1998 | 1999 | 2000 | 2001 | | 2002 | |
|---|---|---|---|---|---|---|
| Cambodia | Cambodia | Cambodia | Cambodia | Liberia | Belgium | Luxembourg |
| Congo, D.R. | Congo, D.R. | Congo, D.R. | CAR | Myanmar | Cambodia | Myanmar |
| Congo, Rep. | Congo, Rep. | Congo, Rep. | Congo, D.R. | Nepal | CAR | Nepal |
| Fiji | Fiji | Liberia | Congo, Rep. | Nigeria | Congo, D.R. | Nigeria |
| Gabon | Liberia | Myanmar | Côte d'Ivoire | PNG | Congo, Rep. | PNG |
| Guyana | Myanmar | Vanuatu | Gabon | Suriname | Gabon | Suriname |
| Liberia | PNG | | Ghana | Vanuatu | Ghana | Thailand |
| Myanmar | Vanuatu | | | | Greece | Trinidad and Tobago |
| Vanuatu | | | | | Liberia | Vanuatu |

| Table 6. SPWP Categories and International Trade Nomenclature Classification | | | |
|---|---|---|---|
| SPWP Category | Description | Classification | |
| | | SITC Rev.3 | HS 96/HS 02 |
| Wooden furniture and parts | Seats, n.e.s, with wooden frames<br>Furniture, n.e.s., of wood | 821.16<br>821.5 | 9401.61, 9401.69<br>9403.30-60 |
| Builders' woodwork | Builders' joinery and carpentry | 635.3 | 4418 |
| Other SPWP | Packaging, cable drums, pallets, etc. | 635.1 | 4415 |
| | Coopers' products and parts | 635.2 | 4416 |
| | Wood products for domestic/ decorative use, excluding furniture | 635.4 | 4414, 4419, 4420 |
| | Other manufactured wood products | 635.9 | 4417, 4421 |
| Mouldings | Continuously shaped or profiled wood (e.g. mouldings, unassembled strips and friezes for parquet flooring, beaded wood, dowels, etc.) | 248.3<br>248.5 | 4409 |
| Cane and bamboo furniture and parts | Seats of cane, bamboo, etc.<br>Furniture of other material like bamboo | 821.13<br>821.79 | 9401.50<br>9403.80 |

domestic/decorative use; and tools, handles, brooms and other manufactured products); and mouldings (continuously shaped or profiled wood). Since furniture and parts of cane and bamboo have become important non-wood tropical forest products exports for many ITTO member countries, these products are also included in this analysis.

***Major Importers***

Table 5-1 (Appendix 5) shows the top ten importers of SPWP from all sources together with the proportion accounted for by ITTO producers and consumers for 1998 to 2002. Imports of SPWP by ITTO consumers represented 92% of the world's imports of these products in 2001. All ten of the world's major SPWP importers are ITTO consumer members and together account for 83% of total consumer imports. ITTO producers accounted for 18% ($6.2 billion) of total SPWP imports by consumers in 2001, up from 16% in 2000. Figure 31 shows that the value of SPWP imports from ITTO producers was 72% of the total value of the four ITTO primary tropical timber product imports by ITTO consumers in 2001, down from 77% in 2000 but up from 17% in 1991. The decline of this proportion in 2001 was due to a major downturn in trade of SPWP. The share of SPWP in total tropical imports resumed its upward trend in 2002, rising to 79% of primary imports, a new high for this ratio. Figure 31 shows that this share is expected to rise again to about 83% in 2003 based on preliminary data showing that primary imports should remain stable or decline.

ITTO consumer imports of SPWP from ITTO producer countries grew by about 24% between 1998 and 2001, faster than the 16% growth in imports of these products from all sources. ITTO consumer imports of SPWP from other ITTO consumer countries have remained stable for the past several years at around two-thirds of their total import value, worth $27.2 billion in 2001.

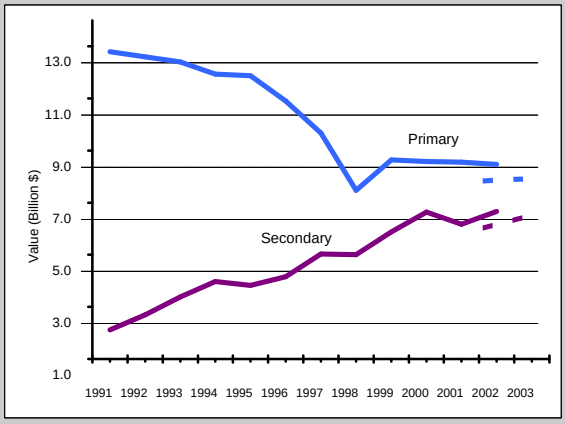


**Fig. 31 ITTO Consumer Imports of Primary and Secondary Tropical Timber Products**

The top ten ITTO importers' proportion of total ITTO consumer imports of SPWP from ITTO producers has been almost constant at over 80% through the last decade. The United States is by far the world's largest importer of SPWP with $14.2 billion worth of SPWP imports in 2001 (one-third of world furniture exports), down from $14.3 billion in 2000. The US is the largest importer from ITTO producer countries with imports worth $2.6 billion. These countries

accounted for 18% of its huge import market for SPWP in 2001, down from 19% in 2000 and from over 20% in the mid-1990's. US imports of SPWP have increased almost four-fold in the last decade and by 65% in the last five years. The US market has been the engine driving international SPWP (mainly furniture) trade during this period.

Despite the slowdown in 2001, US SPWP imports have resumed their upward trend, rebounding by 16% to $16.5 billion in 2002. Continued growth in US SPWP imports has been propelled by a strong housing market and related demand for interior wood products in an otherwise sluggish economy. USA imports come predominantly from other ITTO consumers (69% in 2001), whose share of the US market is growing steadily. Imports came mainly from Canada, China and the EU (notably Italy) in 2001. Canada and China compete fiercely for the large US market. USA imports from ITTO consumer countries almost doubled in value from 1998 to 2002, while imports from producer countries grew more slowly, rising by 60%.

The EU region's aggregate imports of SPWP still exceed those of the USA, although with moderate EU import growth over the last five years the USA is catching up. The fifteen member states in 2001 imported $17.9 billion of these products, led by Germany, the UK, France, the Netherlands and Belgium, which together accounted for 74% of total EU imports. Although EU imports of SPWP have stalled since 1998, growth prior to this in the 1990s (when imports increased by almost 50%) contributed significantly to global trade expansion in these products. EU imports came mainly from other EU countries, Poland, Indonesia, China, Brazil and Malaysia in 2001.

Table 5-1 shows that the EU countries continue to import a relatively small proportion (11% in 2001, down from 13% in 2000) of their SPWP from ITTO producer countries. Despite this small market share, imports from ITTO producers in 2001 reached almost $2.1 billion, only 21% less than US imports from ITTO producers and more than double the value of Japanese SPWP imports from these countries. EU imports from ITTO producers recovered slightly in 2002 to $2.1 billion. EU imports from ITTO producers have grown by 13% in the past five years, a sharp contrast to the 4% drop in imports from ITTO consumers and the 6% overall growth rate. The EU is gradually increasing imports of SPWP at the expense of primary wood products and shifting manufacturing facilities to lower cost countries. The strength of the euro has inflated the relative costs of wood processing in Europe.

In Germany, the largest EU SPWP importer ($4.5 billion in 2001), only 6% of the market has been captured by ITTO producers (down from 8% in 2000) and 47% by ITTO consumers. Germany (along with several other EU members) imports substantial quantities of SPWP from Eastern European countries (notably Poland), which accounts for the lower contribution of SPWP imports from ITTO consumers. Imports from these non-ITTO sources have seen rapid growth, expanding by 25% for the EU as a whole over the past five years.

Japan is the world's third largest importer of SPWP, after the US and Germany, followed closely by the UK (the two switched positions in 2002). ITTO producers hold a larger share of the Japanese market than they do for any other major market, with one-third of Japan's $3 billion SPWP market provided by these countries in 2001. Most Japanese SPWP imports came from China, the EU, Thailand, Indonesia and Malaysia in 2001. The market share of ITTO producers declined from 35% in 2000 and dropped further to 31% of Japan's $2.9 billion SPWP imports in 2002 due to a gain in market share by China and other ITTO consumers.

Unlike its EU partners, the UK has seen a steady growth of SPWP imports over the last several years. The UK imported $2.9 billion of SPWP in 2001, up 26% from 1998. UK imports of SPWP surged a further 17% to over $3.5 billion in 2002 to overtake Japan as the world's third largest importer of SPWP. Steady growth in UK SPWP imports are due to a robust economy and housing market. Tropical countries, however, account for only 18% of the UK's SPWP market.

Table 5-1 shows that France remains the fifth largest global SPWP importer. However, declining or stagnant imports by Belgium and China allowed Canada's rapidly growing SPWP imports (up 37% since 1998) to move it past both these countries and close to the Netherlands for seventh spot in 2002. ITTO producers hold less than 20% of the SPWP market in all of these countries, and account for less than 3% in China and Switzerland.

While transportation costs, tariff levels and regional marketing relationships play a role in the differences in market share held by ITTO producers in the major markets for SPWP, there is

clearly a substantial opportunity for all producing countries to increase their market share, particularly in the huge European market for these products.

The breakdown of SPWP imports by major product categories is presented in Table 5-2. Over 60% of SPWP imports by ITTO consumers and by the EU, the leading import region, are wooden furniture. Other SPWP (packaging/ pallets, cooper's products, wood products for domestic use, etc., 17%) and builder's woodwork (13%) are far behind as the second and third most valuable types of SPWP imports. Over half of EU wooden furniture imports came from other EU countries in 2001. Switzerland, France and the Netherlands had the greatest proportion of wooden furniture in their SPWP imports at around 68% in 2001. The USA is the world's largest single importer of wooden furniture (and all other SPWP categories), with over $8.9 billion worth entering the country in 2001. The USA imported most of its wooden furniture from Canada, China and Italy in 2001. Italy is the main supplier of upholstered furniture while Asia (notably China) is the main supplier of ready-to-assemble furniture to the USA.

Table 5-3 in Appendix 5 shows the top tropical importers of SPWP ranked by 2001 values. As many ITTO producer importers are tiny importers of these products, this table also includes important non-ITTO tropical countries. In 2001, the top twelve tropical countries accounted for under 2% of global imports of these products. The eight of these countries that are ITTO producers accounted for 79% of total ITTO producer imports of SPWP in 2001, up from 72% in 1998. While still tiny compared to the major importers shown in Table 5-1, SPWP imports by several ITTO producers are becoming relatively significant despite generally high tariff levels on these products. The proportion of ITTO producer imports coming from other producers has risen rapidly since 1998 while the value of imports from ITTO consumers has stayed relatively stable. Mexico is by far the largest tropical importer of SPWP, with $358 million in 2001, mostly from ITTO consumers (86%). Mexican SPWP imports accounted for half of the SPWP imports by the top twelve tropical importers. Mexico's imports of SPWP come predominantly from USA, Italy, China, Indonesia and Brazil. Venezuela (21% of the 2001 ITTO producer total), Malaysia (19%) and the Philippines (10%) are the three largest ITTO producer importers of SPWP. Venezuela's 43% surge in SPWP imports in 2001 to almost $72 million, made it the largest ITTO producer SPWP importer. Venezuela dropped back to the third spot in 2002 when its SPWP imports fell sharply by 36%. Most of Venezuela's SPWP imports came from the USA, Italy, China and Colombia. Imports of ITTO producers are slowly growing in aggregate but show mixed trends on an individual country basis. For example, SPWP imports increased by 102% in Thailand, 84% in India, 60% in Malaysia, 45% in Venezuela, 24% in Guatemala and 22% in the Philippines while they declined by 70% in Brazil, and 3% in Panama for an aggregate growth of less than 2% for all ITTO producers between 1998 and 2001.

Malaysia's SPWP imports rebounded by 50% in 2002 to almost $100 million to re-establish it as the largest ITTO producer importer. Malaysia's SPWP imports came mostly from China, Indonesia and Japan. The Philippines' SPWP imports came mainly from Malaysia and USA in 2001. Thai imports contracted sharply during the Asian crisis in 1998, but have since rebounded to well over pre-crisis levels. India's SPWP imports have grown three-fold in the last five years, which enabled it to overtake Brazil, Guatemala, Panama and Cuba in 2002.

Table 5-4 presents a breakdown of the categories of SPWP imported by major tropical importers. ITTO producers imported $188 million worth of wooden furniture in 2001, the main category at 54% of all SPWP imports. Around 61% of producers' wooden furniture imports were from ITTO consumer countries, down from 66% in 1999. In contrast to other tropical importers, Malaysia, the Philippines, Thailand and Brazil import relatively high quantities of other SPWP (packaging, pallets, casks, etc.) compared to their wooden furniture imports. Mexico is by far the largest tropical importer in every category of SPWP, particularly of wooden furniture ($185 million or 52% of all Mexican SPWP imports). In all product categories but cane and bamboo furniture and parts, Mexico's imports are close to or exceed total imports by all ITTO producers.

Malaysia is the largest ITTO producer importer of builder's woodwork, other SPWP and mouldings. Venezuela is the largest ITTO producer importer of wooden furniture. Panama has the greatest proportion of wooden furniture in its SPWP imports at 78% in 2001, while Barbados is the

only top tropical importer that has a greater proportion of imports of mouldings than of wooden furniture or other SPWP.

***Major Exporters***

Table 5-5 shows the top exporters of SPWP ranked by value in 2001. ITTO consumers totalled over $31.2 billion of SPWP exports in 2001, accounting for 72% of aggregate world exports, down from 77% in 1998. With SPWP exports of $6 billion in 2001, Italy was by far the world's largest exporter of SPWP. This figure accounted for 14% of ITTO consumer SPWP exports, down from one-quarter in 1996. Italy's SPWP exports in 2001 were 3% down from 2000 and 6% down from its record high of $6.4 billion in 1996. Around 79% of Italian exports are absorbed by other ITTO consumer countries, predominantly fellow EU members (led by Germany, France and UK) and the USA. Italy's exports comprised about one-third of the $19.6 billion worth of EU SPWP exports in 2001. The EU accounts for nearly two-thirds of ITTO consumer country exports of SPWP.

While Italy's exports have been relatively stable for several years, China and Canada, the world's second and third largest SPWP exporters, have continued experiencing rapid growth in SPWP exports. China's exports grew by 133% while Canada's grew by 32% between 1998 and 2002. China (including Hong Kong and Macao S.A.R.s) overtook Germany as the world's third largest exporter in 1997 and Canada as the world's second largest exporter in 2000. The strong upward trend of growth in China has been evident since 1990 and is expected to continue. China continues to grow, surging by 54% in 2002 to over $7.2 million and overtaking Italy as the world's largest exporter of SPWP. China's rapid growth has been helped by its booming exports of wooden furniture to USA (see below). Many companies from USA, Taiwan Province of China, Singapore and other traditional Asian producers continue to establish furniture and other SPWP joint ventures in southern China because of the low wages and a policy towards encouraging downstream timber processing. SPWP manufacturers based in China have been successful in penetrating high-value markets such as Japan, and, particularly, the USA with their furniture.

Table 7 shows the breakdown of Chinese imports and exports based on data available in COMTRADE. The table shows that three-quarters of China's exports of SPWP in 2001 originated from mainland China, while 94% of China's imports flowed to or through Hong Kong. The Chinese at almost $4.7 billion in 2001 were by far the top exporters of SPWP in the developing world. Taiwan Province of China, with exports worth around $1 billion, is also a significant SPWP exporter.

Canada's upward export trend, although not as strong as China's, has also been largely due to increased exports to the booming USA market which absorbs virtually all Canadian SPWP exports. Germany (the world's fourth largest SPWP exporter) and Poland (fifth) were also major exporters of SPWP in 2001. While German SPWP exports have been relatively constant through 1998-2002, Polish SPWP exports have grown by 25% during the same period. Poland, whose SPWP exports go primarily to the EU, is rapidly approaching Germany's export levels.

Indonesia and Malaysia, the world's sixth and eleventh largest SPWP exporters, are the only ITTO producer countries among the world's top exporters. Indonesian SPWP exports almost halved during the Asian financial crisis in 1998 but recovered by 166% in 2000 to over $2.2 billion to overtake Poland as the world's fifth largest SPWP exporter. Indonesian SPWP exports contracted in 2001 to $2 billion, falling behind Poland's $2.2 billion.

Indonesia shipped nearly three-quarters of its SPWP to the EU, USA and Japan in 2001. Indonesian SPWP exports surged again in 2002 to just over $2.1 billion. Comparatively less affected during the Asian financial crisis, Malaysia's SPWP exports, gradually growing since late 1980s, fell by 14% to $1.4 billion in 2001. Most of Malaysia's SPWP exports went to the EU, USA and Japan. Malaysian SPWP exports recovered by 8% in 2002 to $1.5 billion. Indonesian and Malaysian SPWP export declines in 2001 were due mainly to fierce competition from China in the slowing US market.

The breakdown of SPWP exports by major exporters in 2001 is illustrated in Table 5-6. Around two-thirds of world's SPWP exports consisted of wooden furniture, mostly shipped to ITTO consumers. Builder's woodwork (16%) and other SPWP (15%) are far behind as the second and third most important SPWP export categories. Italy is the world's largest exporter of wooden furniture, at over $4.9 billion in 2001,

| Table 7. Chinese imports and exports of SPWP in 2001 [1000 US$; (% share)] | | | | | |
|---|---|---|---|---|---|
| | | Imports | | Exports | |
| **China** | **World** | **72,040** | | **3,609,750** | |
| | ITTO Prod. | 19,664 | (27) | 20,064 | (1) |
| | ITTO Cons. | 44,793 | (62) | 3,399,996 | (94) |
| **Hong Kong S.A.R.** | **World** | **1,216,258** | | **1,060,445** | |
| | ITTO Prod. | 26,430 | (2) | 21,059 | (2) |
| | ITTO Cons. | 1,168,327 | (96) | 1,007,039 | (95) |
| **Macao S.A.R.** | **World** | **7,300** | | **1,280** | |
| | ITTO Prod. | 514 | (7) | 27 | (2) |
| | ITTO Cons. | 6,738 | (92) | 1,243 | (97) |
| **Total** | **World** | **1,295,598** | | **4,671,475** | |
| | ITTO Prod. | 46,608 | (4) | 41,150 | (1) |
| | ITTO Cons. | 1,219,858 | (94) | 4,408,277 | (94) |

Note: Exports from Hong Kong and Macao S.A.R.s include re-exports as per COMTRADE definition; reported Chinese exports to both are minor.

and also leads the world in exports of cane and bamboo furniture. Upholstered furniture and chairs constitute the main type of wooden furniture exported by Italy. Canada is the world's largest exporter of builder's woodwork and mouldings while China leads the exports of other SPWP such as packaging/pallets, casks, barrels and other manufactured products.

China has seen an impressive upward trend in furniture production driven by strong growth in both furniture exports and domestic consumption. From 1995 to 2001, the total value of wooden furniture exports rose at an average annual growth rate of 17% from $932 million to $2.4 billion. Notwithstanding, wooden furniture exports were equivalent to only one-quarter of China's total furniture output in 2001. China's furniture is exported mainly to the United States (around 50% of exports), Japan and Taiwan Province of China, with substantial re-exports through Hong Kong S.A.R. Markets are gradually being developed in other countries around the world. Many US manufacturers have outsourced in China the production of semi-finished components or the whole piece, buy them from local manufacturers (known as the Original Equipment Manufacturer, OEM) and finish them to high US market standards. It is estimated that 90% of Chinese exports to the USA are from OEMs. Since 2002, China has replaced Canada as the leading supplier of furniture to the USA. China is set to overtake Italy as the world's largest exporter of wooden furniture if furniture exports continue at the same pace.

In October 2003, a group of 27 US furniture makers and four unions filed an antidumping petition with the US Department of Commerce (DC) and the US International Trade Commission (ITC), seeking protection to stem the surge of imports from China that, the companies say, has ravaged their industry. The petition asks for import duties ranging from 150% to 440% on wooden bedroom furniture (classified under HS 96/02 category 9403.50). Up to 90% of the 135 manufacturing and exporting companies under investigation are owned by Taiwanese. A preliminary decision by the ITC in early 2004 concluded that there was reasonable indication that the US industry is materially injured by imported Chinese bedroom furniture sold at below-market prices. The ITC decision paves the way for preliminary anti-dumping duties on more than $1 billion worth of wooden bedroom furniture from China by mid-2004. The decision has prompted warnings from Beijing and highlighted a rift between American manufacturers and import-dependent retailers. A group of more than 60 US furniture retailers (including Rooms to Go, JC Penney and Crate & Barrel) have recently formed their own coalition aimed at averting the tariffs. US importers warned that they have contingency plans in place to shift to suppliers from Vietnam, Malaysia and Indonesia if they have to, but the same low-cost furniture will still end up in the USA.

Compared to other countries, Indonesia shows a more balanced portfolio of export products. The major categories of Indonesia's exports were wooden furniture (36%), builder's woodwork (26%), other SPWP (e.g. packaging/pallets, casks, barrels and other manufactured products, 14%) and cane and bamboo furniture (13%). Indonesia is the largest tropical exporter of builder's

woodwork, other SPWP, mouldings and cane/bamboo furniture. Malaysia's SPWP exports are predominantly wooden furniture, making it the largest supplier of wooden furniture among tropical producers. About 70% of Malaysian furniture is manufactured from rubberwood. Malaysia has been successful in penetrating high value markets with its rubberwood furniture. Regulations in this country favour further processing, restricting exports of raw rubberwood, although the restrictions have been relaxed due to imbalances in domestic supply and demand. Malaysia is also the second largest tropical exporter of builder's woodwork and mouldings, after Indonesia.

Cane and bamboo furniture exports from ITTO consumers were $943 million in 2001, compared to only $410 million in total exports of these products by all ITTO producer countries. China is the only consumer country with substantial production and exports of cane and bamboo furniture based on domestic raw materials. Removing China's exports from the ITTO consumer total still leaves $677 million of consumer country exports based largely on imported raw materials, illustrating a potential market opportunity for producer countries.

Table 5-7 shows other top tropical exporters of SPWP (apart from Indonesia and Malaysia reported in Table 5-5) ranked by value of 2001 exports. Thailand, Mexico, Brazil, Vietnam and the Philippines are other major tropical exporters of SPWP with exports over $300 million. Six of the countries in Table 5-7 are ITTO producers, which, together with Indonesia and Malaysia, accounted for 97% of total ITTO producer exports of SPWP in 2001. ITTO producers accounted for 14% of world SPWP exports in 2001. ITTO producers' exports of SPWP amounted to $5.9 billion in 2001, down 9% from 2000. The value of SPWP exports by ITTO producers had grown more than three-fold in the last decade to just under $6.5 billion in 2000. This upward trend has been reflected in an increased share in the global market by ITTO producers at the expense of ITTO consumers. The decline of ITTO producer's exports in 2001 was due mostly to increased competition from China with traditional Asia-Pacific exporters.

ITTO producers' SPWP exports rebounded by 9% in 2002 to over $6.4 billion due to increased demand, particularly in the large US market. ITTO producer country exports grew overall by 65% during 1998-2002 due to increases in exports from all five major producer exporters, in response to increased demand for SPWP in the USA and (to a lesser degree) Europe. The increased focus on SPWP production and exports in many tropical countries also played a role.

To put ITTO producer exports into a global perspective, the combined value of SPWP exports from all ITTO producer countries was roughly equivalent to Italy's exports of SPWP to global markets in 2001 and 2002. While this indicates the potential for further growth in SPWP exports from producer countries, the comparison has changed significantly since the mid-1990s when Italy's shipment of SPWP to the world was almost double that for all ITTO producers. Growth in SPWP exports by producer countries has been impressive, but their contribution to total SPWP imports by ITTO consumers is still below its potential. Although developing countries enjoy some degree of tariff relief under the Generalized System of Preferences (GSP) or other schemes for SPWP in many of the major markets, these benefits have been eroded (relative to the trade terms offered to non-GSP countries) by general tariff reductions in many countries through successive rounds of multilateral and bilateral trade negotiations. Tariffs in many countries remain high, however, compared to those for primary products like logs and sawnwood. The EU, Japan and the USA apply no import tariffs on SPWP from GSP countries, while rates for most other countries range from 2 to 6% on the major product categories. The USA, Canada, the EU and Japan have proposed eliminating tariffs on wooden furniture completely by 2005, which, if implemented, will further boost SPWP exports from ITTO producer countries. In contrast, some developing countries retain high import tariffs on SPWP, partially accounting for the relatively low import levels shown for producer countries in Appendix 5.

Table 5-7 shows that Asia-Pacific is by far the dominant exporting region in the tropics (82% of all ITTO producers' SPWP exports in 2001), with Latin America (primarily Brazil) a distant second (17%). Although still minimal, value-added processing in the African region has been growing, surging 96% between 1998-2001. The relatively low level of SPWP exports from Africa has been due largely to a lack of capital and infrastructure. Nevertheless, many African governments such as Côte d'Ivoire, Ghana, Cameroon and Gabon are making the development of secondary processing a priority. Côte d'Ivoire and Ghana made up the bulk of

SPWP exports from Africa in 2001. The breakdown of SPWP exports between the main tropical regions is unlikely to change significantly in the medium-term, however, as countries in all three regions continue to express their desire to further expand downstream processing capacity.

Table 5-8 provides a breakdown of the categories of SPWP for other major tropical exporters. Half of ITTO producers' exports of SPWP consisted of wooden furniture in 2001. However, the main types of SPWP produced and exported vary significantly from country to country.

Thailand is the third largest tropical exporter of furniture after Malaysia and Indonesia. Like Malaysia, Thailand has also linked the development of its furniture industry to its rubberwood resources, with all new sawmill licenses now contingent on use of this material. The ban on logging in Thailand's native forests imposed in 1991 has increased its dependence on imports as well as on former rubber plantations for wood supplies. Thai exports of SPWP, which had surged by 45% by 2000 from the economic downturn in 1997-98, contracted by 7% in 2001. Like other traditional SPWP exporters, Thailand was affected by the slowdown in the US economy and fierce competition for SPWP markets from China. Thai exports surged by 17% in 2002 due to a boost in the exports of wooden furniture and parts.

Thai SPWP exports go mainly to the markets of the USA, Japan and Europe. Like Malaysia, Thailand has successfully penetrated high value markets, particularly in Japan, with rubberwood furniture. Regulations favour further processing over exports of raw rubberwood. The rapid growth of Chinese furniture exports is a concern to Thailand and many other producer country exporters. China replaced Thailand as Japan's largest furniture supplier in 2000 and is rapidly gaining market share in other major markets. Thailand is the second largest supplier of other SPWP (packaging, cooper's products, etc.) among tropical countries, after Indonesia.

Mexico was the fourth largest exporter of SPWP in the tropics in 2001, although a large part of its exports probably come from its temperate coniferous forests. Mexico's SPWP exports grew gradually until 2000 to over $1.1 billion, before falling by 7% to $914 million in 2001 due to a slowdown in the USA, its main trading partner. Wooden furniture is the main (65%) category of Mexican SPWP exports.

Brazil's exports of SPWP grew almost four-fold from 1990 to 1995 before stabilizing at around $510 million until 1998. Brazil's export growth has since almost doubled to over $987 million in 2002, when it overtook Mexico as the fourth largest tropical exporter. Brazil is fast gaining a share in the supply of wooden furniture and bedroom categories to the USA (see Box). The major categories of Brazilian and Latin American SPWP exports in 2001 were wooden furniture (48%) and builder's woodwork (21%, Brazil is the third largest exporter among tropical countries), some of which in Brazil is manufactured from non-tropical timber. Brazil's SPWP exports go mainly to the major markets of Europe and the USA as well as Argentina. Other tropical Latin American SPWP exporters are minor compared to Brazil.

Like Brazil, Vietnam has recently become a competitive source of SPWP supply. Vietnam's SPWP exports grew almost three-fold in the last five years overtaking Singapore in 1997 and the Philippines in 2001. Wooden furniture was the major category of Vietnamese SPWP exports in 2001. Production costs in Vietnam are even lower than in China, which is attracting foreign investment even from furniture manufacturers in China. The USA accounted for about two-thirds of Vietnam's exports in 2001.

The Philippines' SPWP exports, which were hardly affected during the Asian economic turmoil, grew continuously to reach $483 million in 2000. Filipino SPWP exports contracted by 11% in 2001 due to slowing demand in the USA. The Philippines' SPWP exports are mainly cane and bamboo furniture (32%, the second largest supplier in the tropics after Indonesia) and wooden furniture (31%).

Table 5-8 shows that the major category of Africa's negligible SPWP exports in 2001 was mouldings (63%). This is in contrast to other tropical regions where this is one of the smallest components of SPWP trade and may indicate a possible market niche for African exporters. Mouldings are the first step in further processing and also the first component of more elaborate goods. Côte d'Ivoire is the largest ITTO exporter of mouldings in Africa and its exports go mainly to Italy. African SPWP exports are mainly directed to the EU (notably Italy and the UK) and US markets.

**BRAZIL'S SPWP BOOM**

Brazil's furniture export business is thriving. From January to June 2003, Brazil exported US$249.4 million of wooden furniture exports, 19.9% more than the same period in 2002 (US$207.9 million). Exports were mainly of wooden bedroom furniture (35.6%); wooden seats (12.1%); wooden kitchen furniture (4.9%); and wooden office furniture (3.9%).

Beginning in January 2004, all Brazilian furniture will bear a seal of guarantee granted by the Brazilian Association of Furniture Industries (ABIMOVEL). This seal should stimulate exports, assure higher reliability of the products and standardise the quality of furniture manufactured in Brazil. Furthermore, it will improve the image of Brazilian furniture abroad, making it easier for Brazil to increase its foreign market share. ABIMOVEL representatives will supervise compliance with the rules established under this initiative. Brazil's furniture export potential is high because of the quality and quantity of available raw materials. There were more than 440 industries exporting furniture to various markets compared with 160 companies in 1999. Even so, Brazil was responsible for only 1% of the world's furniture exports that year. Most of Brazilian export furniture is made from solid pine and reconstituted panels. Brazil's southern states of Santa Catarina, Rio Grande do Sul and Parana are the country's leading furniture producers.

By early 2004 Brazil will have access to the Gebel Ali bonded warehouse located in Dubai in the United Arab Emirates. Access to this bonded warehouse will reduce costs for Brazilian furniture exports to the Middle Eastern markets through providing a base for assembly and maintenance of the products.At present, Brazilian furniture exporters spend US$2 000 per freight container for the 45 day journey to the Middle East, while the Chinese, who are considered the most competitive in this sector only spend around US$1 000 on freight charges and can deliver in one week.

While most of Brazil's wooden furniture exports are non-tropical, tropical SPWP exports are also growing. Wood exports in general from the Brazilian northern state of Para have been growing since 1999. In 2002, exports reached US$321.6 million, 9.2% higher than in 2001 (US$286.2 million). The state, however, has been changing its export product mix to focus on SPWP. Processed wood products, such as flooring, mouldings, doors, cladding, pre-cut wood, planed wood, and pre-manufactured parts, are now the State's second main export items, after minerals. In 2002, Para exported US$84 million worth of these processed wood products, 11.6% more than in 2001. The main export destinations for Para's SPWP were the USA, Canada and Europe. Two companies from the state are already exporting products certified by Forest Stewardship Council (FSC).

Sources: ITTO MIS (2003) and others listed in References.

The development of new processing technologies (e.g. MDF, veneer lamination) and raw material supplies (e.g. rubberwood) are allowing the use of a wider range of tropical wood species in furniture and other SPWP production in ITTO producer countries and consequent increases in production and exports. The contribution of SPWP to the forest sectors of ITTO producers and other developing countries will continue to grow in coming years, with corresponding reductions in production and especially exports of primary tropical timber products.

## SPWP Trade Discrepancies

The types of anomalies identified for primary products trade statistics in the previous chapter also exist in COMTRADE statistics for SPWP reported by trading partners. The statistics reported by the major exporters of SPWP in Table 5-7 who reported data to COMTRADE can differ substantially from the corresponding import values reported by the major importers of SPWP in Table 5-1. Discrepancies in trade figures can be due to a number of factors as identified in the previous chapter: partial or non-reporting of exports to COMTRADE; differences in reporting periods; smuggling and transfer pricing to avoid taxes; etc.

Table 8 compares the different values reported by five major exporters of SPWP (in italics) with the import statistics recorded in COMTRADE for the EU, the USA, Japan and all ITTO consumers (in bold). Table 8 shows that China's export figures hold huge discrepancies with EU (816%) and USA (70%), for an overall 57% discrepancy with ITTO Consumers' import figures in 2001. Table 8 further illustrates that the problems identified for primary products for Indonesia also hold for SPWP, with, for example, 70% and 50% discrepancies with EU and US import figures for an overall 24% discrepancy with ITTO consumers' import figures.

Thailand (17% and 26%) and Brazil (13% and 24%) also have discrepancies with EU and US import figures. Malaysia's reported 2001 exports show a 19% discrepancy with US import figures while its discrepancies with EU and ITTO consumers' import figures are smaller.

| Table 8. Direction of Trade of SPWP for Main Partners, 2001 (1000 US$) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| *Exporter* / **Importer** | *China* | *Indonesia* | *Malaysia* | *Thailand* | *Brazil* | *ITTO Producers* | *EU* | *ITTO Consumers* |
| **EU** | **946,694** | **981,528** | **306,184** | **203,153** | **294,094** | **2,052,205** | | **11,335,121** |
| | 103,387 | 578,925 | 297,597 | 173,193 | 259,887 | 1,104,943 | | 14,356,970 |
| **USA** | **3,570,548** | **718,216** | **504,125** | **454,979** | **468,382** | **2,596,834** | **1,978,922** | **9,760,490** |
| | 2,102,987 | 478,393 | 424,216 | 361,832 | 377,112 | 1,474,923 | 2,049,422 | 8,528,928 |
| **Japan** | **937,048** | **317,228** | **210,690** | **320,650** | **3,971** | **979,534** | **453,598** | **1,699,386** |
| | 848,009 | 355,822 | 243,932 | 325,169 | 7,846 | 783,128 | 407,249 | 1,645,589 |
| **ITTO Con-** | **6,919,463** | **2,222,313** | **1,206,970** | **1,069,814** | **794,117** | **6,175,768** | **14,096,133** | |
| **sumers** | 4,408,277 | 1,799,201 | 1,174,619 | 941,348 | 681,858 | 5,133,293 | 16,853,198 | |

Discrepancies up to 20% can be largely attributed to insurance, freight and other shipping costs.

For almost all major producers, export figures are less than corresponding import figures, which is as expected given the FOB/CIF basis of reporting. This may be due to different exchange rates used to value trade but needs to be clarified. Trade between EU and ITTO consumer countries and between EU and USA also shows this opposite pattern. This may be due to different protocols for reporting intra-EU trade amongst member countries but also needs to be investigated further.

### SPWP Prices

Appendix 4 contains real and nominal price graphs for Malaysian and Indonesian secondary processed sawnwood (mouldings) as well as for Malaysian furniture parts and selected rubberwood furniture items from mid-1997 to 2003, based on the nominal prices reported by the ITTO MIS. Nominal prices (normal lines in the graphs) were converted into constant (or real) 1995 prices (bold lines) using the World Bank G5 Manufacturing Unit Value (MUV) index for calculating real commodity prices.

After plunging by 25% (laminated squares) and 22% (mouldings) between mid-1997 and mid-1998 during the Asian financial crisis, real export prices for Malaysian laminated squares and mouldings were stable until early 2002. Laminated squares and red meranti mouldings Grades A and B traded at real prices between \$400-\$466/$m^3$, \$548-\$623/$m^3$ and \$445-\$490/$m^3$ through that period, still much lower than 1996-97 price levels. Prices for these products rose slightly in the second half of 2002 reflecting price increases in meranti products as a result of reduced log supplies, before losing some ground again throughout 2003. Laminated squares and red meranti mouldings Grades A and B were trading at \$410/$m^3$ (\$470/$m^3$ nominal), \$530/$m^3$ (\$608/$m^3$ nominal) and \$432/$m^3$ (\$495/$m^3$ nominal), respectively, at the end of 2003.

Indonesian SPWP export prices were affected to a greater extent by the financial crisis in 1997-98, with prices declining by about 25% for both grades of meranti mouldings compared to a drop of 40-50% for logs and 30-35% for sawnwood. Indonesian red meranti mouldings Grades A and B were trading at \$454/$m^3$ (\$520/$m^3$ nominal) and \$388/$m^3$ (\$445/$m^3$ nominal) in late 2003. Prices for both grades of Indonesian red meranti mouldings remained stable throughout 2003, but were still 14% and 10% lower than the corresponding Malaysian products. The declining prices for these secondary products were caused by intensive price competition between manufacturers in China, Indonesia, Malaysia, Thailand and Vietnam in the face of decreased demand.

Real prices for Malaysian selangan batu decking were steady through most of 2002 at around the \$468-\$473/$m^3$ range. Selangan batu decking prices declined slightly in the first half of 2003, rose slightly to \$471/$m^3$ (\$540/$m^3$ nominal) by mid-year and remained at that level at year-end.

Appendix 4 (Table 4-4c) also shows prices over the past five years for Malaysian furniture (windsor chairs of rubberwood) and furniture parts (two grades of rubberwood table tops). Prices for lower grade (semi-finished) rubberwood table tops are given per piece, while those for top grade rubberwood table tops are quoted on a volume ($m^3$) basis.

Real prices for semi-finished dining table tops (solid rubberwood laminated), windsor chairs and top grade rubberwood table tops were, like most other Malaysian forest products, severely affected by the Asian financial crisis. Prices for the first two products, in particular, plunged by 40% and 25%, respectively, between mid-1997 and mid-1998 to $29 per piece and $8 per piece. Prices of these products remained steady in 1999 and early 2000 but declined gradually until late 2001 to reach $17/piece and under $7/piece. These prices reflected new lows since these products began to be tracked by the MIS. Prices for these two products improved slightly in the first half of 2002 to $18/piece ($20/piece nominal) and $7/piece ($8/piece nominal), respectively, and remained largely unchanged up to the end of 2003. Manufacturers of these rubberwood furniture components were absorbing the increasing costs of rubberwood raw material in 2002/2003. Domestic prices for rubberwood logs rose due to shortage of supply and furniture manufacturers were unable to pass on the costs to importers.

Prices for top grade sanded and edged rubberwood table tops showed a more dramatic downward trend between mid-1999 and mid-2001 when they reached lows of $426/m$^3$ ($475/m$^3$ nominal). Prices rose slightly from then onwards and by the third quarter of 2002, real prices for this product had recovered by $18/m3 to $444/m$^3$ ($500/m$^3$ nominal). In a reversal of the upward trend, prices have declined gradually since late 2002 and ended 2003 trading at $423/m$^3$ ($485/m$^3$ nominal)

# COUNTRY NOTES

The following notes provide details of relevant recent developments in ITTO member countries, including information on trade barriers, new or increased processing capacity, transnational forestry investment, the role of forest plantations in wood supply, forest law enforcement activities and domestic economic trends, as solicited through the Joint Questionnaire. Where possible, they are supplemented by information from other sources; nevertheless, the quality and length of these notes are determined largely by the quality and length of the original submissions by members. Most of the information presented here is as of mid-2003, although selected information considered relevant for some countries has been repeated from the 2002 Review.

## Africa

### *Cameroon*

According to Law 34/01 of January 20, 1994, any logging company is allowed to export 30% of logs harvested during the five years following granting of a concession. After the five-year period, 100% of export timber must be locally processed. However, lesser known species may be exported as logs for promotion in the international market.

Cameroon's economy is recovering. Public works, which require large volumes of lumber, have resumed. Aluminium is proving to be more expensive than local timber for construction, and the substitution rate remains low. Wood consumption has increased considerably in urban areas, in particular as fuelwood and construction timber.

90% of logging companies belong to expatriates in Cameroon. National participation occurs upstream as owners of forest land. All marketing operations are undertaken by expatriates for their parent companies.

### *Central African Republic*

The 2000 Budget Act allows a log export quota for every operator equivalent to that operator's export volume of sawn timber. Three sawmills are presently under construction in the country.

The proportion of major concessions held by different nationalities are as follows: French 4/9; Lebanese 1.5/9; Malaysian 1.5/9; Central African 2/9.

### *Congo, Democratic Republic of*

The government, with support from the World Bank and FAO, is working towards increasing industrial logging to promote economic development, and to establish a new set of forestry laws to implement Forestry Code – Law No. 011-2002. Zoning plans for national forests covering approximately 1.3 million square kilometres are also being drawn up in order to identify areas for logging, conservation and community use. Over 100 non-government groups have opposed such developments due to lack of consultation with civil society and for fear that most national forests will be transformed into logging concessions.

### *Congo, Republic of*

There are plans to expand the production of roundwood from 1.1 million $m^3$ in 2003 to 1.6 million $m^3$ in 2006, sawnwood from 223 000 $m^3$ in 2003 to 396 000 $m^3$ in 2006, veneer from 62 000 $m^3$ in 2003 to 189 000 $m^3$ in 2006, and plywood from 5 000 $m^3$ in 2003 to 24 000 $m^3$ in 2006.

There are 12 European companies, 4 Lebanese companies, two Asian companies and 1 Libyan company holding 6.08 million ha, 1.46 million ha, 0.86 million ha and 0.45 million ha of concessions respectively in the country. The area under forest plantations is 63,000 ha, with no new plantation establishment for the last 3 years.

### *Côte d'Ivoire*

The ban on exports of timber – logs, blockwares and cants – other than teak in force since 1995 is aimed at promoting local processing. Furthermore, in order to prevent over and uncontrolled logging, new logging of community teak is subject to specific approval by the Ministry of Water and Forests. It will, however, be necessary to reduce export duties in order to increase exports.

Under current policy, reforestation in proportion to logged volumes is mandatory for forest companies in order to ensure the sustainable supply of raw materials to local industries. Non-dried iroko sawnwood is also subject to an export quota. Following the evaluation of the forest sector in 1998, a Framework Programme for Sustainable Forest Management is under

implementation. The programme, to be executed by a Technical Multidisciplinary Unit, comprises various projects, including those for the development of tropical timber processing capacities. Côte d'Ivoire is currently developing its National Timber Industrialization Plan.

Out of 400 potential species, about 60 are currently utilized. The enhancement of so-called lesser-known species is the trend but the promotion of these species is poor, especially since forestry research has presently stalled in Côte d'Ivoire.

Other than the traditional use of timber in roof framing, the use of timber as a major construction material is very scarce in Côte d'Ivoire. This is due to the fact that producers tend to apply export prices within the local market. In urban areas, the use of gas is becoming widespread to the detriment of charcoal and fuelwood.

More than 65% of the forest industries established in Côte d'Ivoire belong to foreigners, in particular French, Lebanese, Italian and Spanish nationals. Out of 30 000 employees, 25% are foreigners, and 85% of the capital stock amounting to FCFA 70 billion is owned by foreigners.

The current military, social and political crisis in Côte d'Ivoire is having a negative impact on the timber economy. As a result, much data on the forestry sector is not available. The impact of the crisis on the 2003 statistical data will be greater.

Côte d'Ivoire has undertaken reforestation of 200 000 ha using species such as Teak, Frake, Framire and Cedrela. The annual extent of forest plantation development is about 10 000 ha. The production of plantation industrial roundwood averages 130 000 $m^3$ per year against a total annual production estimated at 2 million $m^3$.

***Gabon***

The export duty on tropical logs has been increased from 15% to 20% in order to reduce log exports. No export duty is applied to sawnwood, veneer and plywood, in order to encourage local processing and exports of processed products.

The Government of Gabon has also reduced log export quotas in an effort to encourage forest industries to process the bulk of their timber production locally in compliance with current government policy. The further processing of timber undertaken locally will have a beneficial impact on the housing conditions and livehoods of the Gabonese people.

A quota has been fixed for each operator by the SNBG (Gabonese national timber company) on the production of Okoume timber. Forest development is encouraged by introduction of a new Forestry Law, which grants increasingly large areas for the implementation of management plans with a felling cycle of more than 20 years.

A total of 401 forest concessions (10 624 317 ha) have been granted and distributed as follows:
Temporary Logging Permits = 307 (4 101 141 ha or 38.60%);
Industrial Permits = 63 (4 552 176 ha or 42.85%);
of which: Permits granted to Gabonese nationals: 18 (1 234 642 ha or 27.1%);
Permits granted to foreign operators: 45 (3 317 534 ha or 72.88%).
Plots in railway easements = 31 (1 971 000 ha or 18.55%).

All major forest companies with a forest concession covering 50 000 ha or more are obliged by law to submit a management plan for the allocated concession area and a timber processing plan within three months of signing a temporary Forest Management, Logging and Timber Processing Agreement with the Ministry for Water and Forest Resources.

The major forest companies in the country are mostly subsidiaries of larger European firms, although Asian business concerns are becoming more prominent in Gabon's forest sector.

Forest plantations cover an area of approximately 31 000 ha. However, reforestation has been suspended in favour of a sustainable forest management policy involving natural forest regeneration, an option considered less costly and aimed at ensuring the conservation of biodiversity.

Changes taking place include the rehabilitation of the Port of Owendo, privatisation of the national railway with forest operators as main stakeholders, and expansion of the SNBG into a forestry company.

Apart from the main species such as Okoume, Padouk, Kavazingo, etc., species such as White Longhi, Pao-rosa and Beli are increasingly being used. In order to secure the sustainable supply of

timber for future processing plants, the promotion of lesser-known and/or lesser-used forest species remains a short-term priority of the Department for Water and Forest Resources. Non-wood products such as rattan, charcoal and marantaceae leaves are harvested in quite substantial quantities on a national scale. In the building sector, structural timber is produced from local products, while imported products are in great demand for furniture.

***Ghana***

There is growing interest within the Ghana Timber Industry to further process lesser-used species (LUS), considering the fact that most of the traditional species are becoming depleted. Statistics show a growing trend in the species composition in favour of LUS. For example, in 1989, 62 species were exported as against 82 species in 2001. The increase is a result of LUS having been accepted by the timber trade and this trend is expected to continue. Some Ghanaian companies have also started processing rubberwood, bamboo and coconut. Most of these products are currently being used in the building and construction industry in the country.

There are efforts to upgrade the capacity of small scale carpenters to improve capacity in furniture production and design to service the sub-region (ECOWAS and neighbouring African countries).

Housing starts remain constant. There is still a gap between demand and supply with demand outstripping supply. New estate developers have emerged to take advantage of the situation.

Beginning in October 2003, new Timber Utilization Contracts (TUC) became operational, starting with the tendering of bids.

The plantation establishment target of 20 000 ha/year has now been increased to 60 000 ha/year. This is to be achieved through 4 different plantation establishment schemes. About 80 000 ha of degraded land has been made available for planting this year. The Government exceeded its plantation establishment target of 20 000 ha in 2002.

***Liberia***

The Government of Liberia levies a tariff rate of 5% on the CIF value of all timber and timber products imported into the country. Also, an inspection fee is levied based on container size (20' or 40'). The minimum amount per container is US$250.00 payable to the Government.

The Forestry Law passed and approved in April 1999 made it obligatory for every logging concession to establish a sawmill or integrated processing plant and process 35-40% of their total roundwood production into sawn timber. The number of registered active sawmills has subsequently increased considerably due to both government policy and international market demand.

Ekki (*Lophira* spp.) is the species harvested in the greatest volume in the country, but lesser-used species are in reasonably high demand by the international market. Some of these species are being used as substitutes for prime species, causing a reduction in price for the latter.

The renovation and construction of new homes continues to increase at a steady rate. The rehabilitation of public structures has registered an upward trend. The local timber market is booming and is a profitable investment, because no taxes are levied on sawn timber consumed locally. The reconstruction process is using more wood (sawn timber) for roofing and furniture, and in construction.

Twenty-eight registered and active timber concessionaires were operating in the country as of September 2001. The highest investment is provided by a Malaysian company named Oriental Timber Company (OTC), with concessions totalling 1.65 million ha. Another Malaysian company (NATURA) has a concession of 304 000 ha. Eight Lebanese companies hold concessions totalling 1.9 million ha, European companies around 700 000 ha, two Indian companies 541 000 ha, with the remaining 1 million ha of concessions controlled by 11 Liberian companies.

***Nigeria***

In mid-2003 the Nigerian government decided to increase petroleum products prices in order to continue subsidizing the petroleum sector, and to control illegal smuggling of petroleum products to neighbouring countries. Similar decisions in the past have led Nigerians to rely increasingly on their forests for fuel. Further deforestation is expected in the already severely deforested country with some experts estimating that only approximately 10 years remain until Nigeria exhausts all of its forest resources. Only 5% (less than 38 620 square kilometres) of Nigeria's original forests currently remain. Nigeria's annual losses due to earnings foregone from

sustainable timber production and fuelwood sles are estimated to be around USD 750 million.

***Togo***
Logging in Togo has been temporarily suspended by a Ministerial Order as of August 2003, in order to evaluate the situation and improve regulations. The volume of logged, processed and exported timber will therefore be reduced and imports should increase. At the same time, the rehabilitation of the suspended ODEF mill operation in Kamina is being considered.

The main species (Iroko, Mahogany, Ebony, Samba) are becoming increasingly scarce. Potential secondary species and whitewood are also decreasing. It is hoped that reforestation and management efforts currently undertaken through various forestry projects might contribute to slowing or reversing this trend in the mid- to long term.

Urbanisation particularly in the capital city of Lomé is intensifying. Roof frames, posts, doors and windows, furniture, etc. used in houses are for the most part made of timber. As a result, timber domestic consumption is increasing.

Foreign investment in the timber sector is low and concerns mainly teak export and, to some extent, furniture.

The area under forest plantations is about 30 000 ha and the annual establishment rate is only 1 000 ha/year. About 30% of industrial roundwood production is from plantations, largely teak.

## Asia-Pacific

***Cambodia***
In order to encourage timber processing all processed wood and non-wood products will be exempt from taxes. Log exports are banned. The Government will provide further support for development of the forest sector by encouraging certification.

The Government will increase tree plantations in order to enhance local wood supply. Increased domestic demand for housing will occur due to reforms which will reduce the size of the military forces, as former soldiers mover from barracks to private housing.

The Department of Forestry and Wildlife has established forest plantations of more than 8 000 ha, with an annual growth of 500 ha.

***Fiji***
The current Import Tariffs of 20-25% are applicable to tropical and non-tropical veneers and plywoods. A ban on log exports has been in place for sometime to encourage further processing, especially of mahogany. The Timber Industry Training Center has also been established to develop skills in further processing. Fiji will also develop and implement sustainable forest management and forest certification of its forest resources to open up export opportunities. Mahogany timber will become a dominant species in export products while lesser-known species are gradually replacing other known species in the production of plywood. Locally produced pine is replacing most tropical timber in the building industry.

There are 20 sawmills operating, comprising 4 with foreign full ownership, 2 joint ventures and 14 locally owned mills.

There are 95 000 ha of forest plantations comprising 45 000 ha under pine and 50 000 ha under mahogany and other hardwood species. The annual establishment rate is 2 500 ha for pine and nil for mahogany and other species. In 2002, the production of industrial roundwood from plantations was 247 800 $m^3$, representing 70.5% of total industrial roundwood production.

***India***
Timber importers are lobbying the government to remove the 9.2% duty which has been imposed on imported logs since 1999-2000.

The Tamil Nadu Forest Department research centre is conducting research on cost-effective processing of LUS which would substitute for Teak and Rosewood. Currently 15 species have shown positive results.

The government decided in 2003 to return land rights of sandalwood resources to local landowners.

***Indonesia***
The Ministry of Forestry has suggested that the government should establish a special agency solely dedicated to tackling illegal logging. It has also reduced concession volume allocations from 12 million $m^3$ in 2001 to under 6.9 million $m^3$ in 2002.

PT Perhutani is considering planting 101 million trees (including Teak, Pine, Mahogany and Acacia) worth US$211 million on a 350,000 ha

'abandoned' area in Java. In addition, due to poor performance all of its forest management certificates have been suspended by SmartWood during the 2000-2002 period.

Apkindo is to establish a Production Control Unit in order to ensure companies maintain production capacity in line with raw material supplies.

Forestry Ministerial Decree No. 6887/Kpts II/2002 "concerning procedure for imposing administrative sanctions against violations of forest product utilization business, forest product collection and wood forest product primary industry business licenses" was issued on 12 July 2002.

The Environmental Investigation Agency (EIA) and Telapak have accused government officials for failing to halt continuous illegal logging in national parks.

The Ministry of Forestry suspended the operations of two privately-owned plywood manufacturers in mid-2003 for using illegal logs and violating production capacity limits.

***Malaysia***

Current tariffs rates are as follows:
Logs Tropical: 0%
Logs Non-Tropical: 0%
Sawn Tropical: 0%
Sawn Non-Tropical: 0%
Veneer Tropical Face: 0% Core: 20%
Veneer Non-Tropical Face: 0% Core: 20%
Plywood Tropical: 25-40%

The documentation requirements under CITES Appendix III for the trade in Ramin products are found to have the effect of a non-tariff barrier. Similarly, Japan's regulation on formaldehyde emission from panel products and the CE marking requirements on wood products in Europe are viewed as impediments to market access for tropical timber products.

The Malaysian Government plans to increase foreign and domestic investment in the country. The Economic Stimulus Package announced in May 2003 is aimed at encouraging domestic consumption. This includes encouragement of property purchases, an allocation of RM 200 million for the establishment of Malaysian Oak (*Hevea brasilensis*) forest plantations as well as increased credit availability to SMEs via financial institutions.

Total approvals of FDI for the timber sector amounted to RM 197.2 million in 2002. These investments were in panel products; prefabricated houses; wooden and cane containers; wood and cork products; and the furniture and fixtures sectors.

Currently the Government is identifying lesser-known species to be promoted and utilised for export purposes.

The Forestry Department of Peninsular Malaysia has classified forest offences into three main categories.

**Category 1** - illegal logging which includes logging without license, logging outside licensed area and construction of infrastructure and forest roads without permission.

**Category 2** - clearing of forest land without permission in Permanent Reserve Forest.

**Category 3** - other forest offences such as felling trees below cutting limits, not in possession of sub-license, no registration of machinery and other miscellaneous forest offences committed outside the Permanent Reserve Forest.

In 2002, a total of 13 cases of forest offences under Category 1, 5 cases under Category 2 and 57 cases under Category 3 were committed in Permanent Reserve Forests. In areas outside of Permanent Reserve Forests, 71 cases under Category 1 and 27 cases under Category 3 were detected. In total, the State Forestry Departments in Peninsular Malaysia detected 173 cases of forest offences in 2002.

A total of RM 2.79 million in timber seizures, fines and other compensation were collected from those convicted of forest offences in 2002. Compared with 2001, the number of forest offences successfully prosecuted in 2002 declined by 61 cases or 26%. The Perak Forestry Department again led the other states in terms of the number of forest offences being successfully detected (35.3% of total forest offences committed in Peninsular Malaysia). This was followed by the Pahang Forestry Department (19.6%) and Johore Forestry Department (12.1%).

The existing ban on the imports of round logs from Indonesia was extended on 1 June 2002 to cover squared logs. This is another measure

taken to prevent the importation of illegally harvested logs from Indonesia.

The current area under forest plantations in Peninsular Malaysia is 76 327 hectares and the annual establishment rate is 1 523 hectares.

***Myanmar***

An import/export license from the Ministry of Commerce is required to trade in timber products. There is no quota or incentive system which affects production and trade. Suspension of GSP privileges by the USA and EU may be considered as a non-tariff barrier.

There is no immediate short-term plan for expanding capacity for (further) processing of tropical timber products.

The species composition of the Myanmar timber trade is more or less constant. Mostly teak, *Xylia dolarbriformis*, *Pterocarpus macrocarpus*, and *Dipterocarpus* spp. are being traded. *Millettia pendula* and *Dalbergia oliveri* are two species that have recently been more in demand. Most lesser-used timber species and/or minor tropical forest products are insignificant in terms of production and trade.

The extent of forest plantations at the end of 2001 was 736 183 ha. The annual establishment rate of forest plantation is 40 000 ha/yr. Industrial roundwood production from plantations is still insignificant.

The extent of foreign companies' involvement in the timber sector is as follows:

(a) Joint Venture with Myanma Timber Enterprise (MTE) - State owned enterprise - 2
(b) Joint Production with MTE – 9 (Furniture & Plywood Factories)
(c) 100% investment in co-operation with MTE - 7
(d) 100% investment with the permission of Myanma Investment Commission (MIC) - 4

In 2002, there were extensive law enforcement activities throughout the country, but the volume of timber seized was minor.

***Papua New Guinea***

Current tariffs rates are as follows:
Logs Tropical: Nil
Sawn Tropical: Nil
Sawn Non-Tropical: Nil
Veneer Tropical: Nil
Veneer Non-Tropical: Nil
Plywood Tropical: 45%
Plywood Non-Tropical: 45%

VAT is collected on all imports at 10% of CIF value. A processing tax has been proposed for all logs entering PNG domestic processing plants under the World Bank Structural Adjustment Program. An export tax is payable on logs from the natural forest (excluding plantation logs and sawn timber). It is applied at a varying rate according to the FOB value of the logs at the point of export. The export duty on logs ranges up to 70%.

Nine priority forestry projects have been identified by the National Forest Board as of 3 April 2002, as follows:

| Harvest: | Annual ($m^3$/yr) | Total ($m^3$) |
|---|---|---|
| 1. Rotlock Bay | 90 000 | 3 150 000 |
| 2. April Salumei | 200 000 | 7 000 000 |
| 3. Cloudy Bay | 70 000 | 2 450 000 |
| 4. Asengseng | 100 000 | 3 500 000 |
| 5. Middle Ramu Block | 1 200 000 | 1 400 000 |
| 6. Kamula Dos | 300 000 | 2 100 000 |
| 7. East Pingia | 90 000 | 3 150 000 |
| 8. Amanab Blocks 1-4 | 90 000 | 3 150 000 |
| 9. Amanab Blocks 5-6 | 100 000 | 3 500 000 |
| 10. East Awin | 100 000 | 3 500 000 |
| TOTAL | 1 340 000 | 32 900 000 |

Notes: Log volume is over bark, 50 cm plus diameter logs measured at breast height (i.e. 1.3 metres from ground).
Harvest volumes per year based on a sustainable cut regime of a 35-year cutting cycle except Middle Ramu Block.
Export log price July 2002 (SGS) \$51 US/$m^3$
Landowner royalty currently K10/$m^3$
Landowner benefits, etc. currently K13/$m^3$
On average, with these areas, half of volume to be processed and half log export.
Under WB latest review moratorium a further 10% of area will be excluded from commercial harvest (as per LCOP conditions)
Under PNGLCOP, approximately 50% of any loggable area not to be harvested due to buffer strips and other environmental protection zones.
All areas selectively logged under LCOP - yield 10-30 $m^3$/ha.

Minor species comprise 40% of total log and sawn timber production. No change is expected in the foreseeable future. Non-timber forest products are insignificant.

The economy in PNG is seriously weakened. Building and construction are at all time lows. No improvement is expected for at least two years. Donor funded projects often insist that all timber products used in project infrastructure meet the donor's respective building code specifications. This has often required the import of timber products for use in project infrastructure, to the detriment of PNG producers.

The PNG forest industry is 90% foreign controlled. Investors include Malaysia, Japan, Europe, Singapore, Korea, China, and Australia. Total investment is US$600 million. The total area of PNG under forest concession is 10% of the land base. The Forest Act 1999, amended in 2000, and accompanying regulations cover a logging code of practice, and penalties for infringement of various activities.

60 000 hectares of plantation exist, of which two-thirds is owned by the private sector (Japanese investors). Annual planting rate including re-establishment is approximately 1 500 ha. Of the annual sustainable production of 3.3 million $m^3$, plantation wood comprises approximately 5%.

***Philippines***

Current tariff rates are as follows:
Logs Tropical: Free
Logs Non-Tropical: Free

Sawn Tropical: 7%
Sawn Non-Tropical: 7%

Veneer Tropical: 7%
Veneer Non-Tropical: 7%

Plywood Tropical: 15%
Plywood Non-Tropical: 15%

Non-tariff barriers include the current export ban on logs coming from natural forests and lumber processed out of these logs, and timber certification. Incentives to encourage establishment of timber plantations include exemptions from the payment of forest charges on products derived therefrom and free technical assistance from DENR. Likewise, forest plantation establishment has a pioneering industry status that enjoys the following incentives: a) income tax holidays; b) tax and duty free importation of capital equipment; c) tax credit on domestic capital; d) deduction for labour expenses after the tax holiday; e) exemption from wharfage dues and export taxes and duties; f) exemption from contractor's tax.

The decreasing trend in the number of operating sawmills and plywood plants in the last 5 years offers a clue that there are no plans to expand production capacities in the medium term. Furthermore, the available supply of logs is less than the annual log requirement; therefore existing wood-based plant capacities are underutilised, discounting the possibility of capacity to increases in the near future.

As of 2002, log production from natural forests and plantations was 398 196 $m^3$, of which 46% was composed of *Albizzia falcataria*, 13% composed of *Gmelina arborea*, 4% *Acacia mangium*, and the remaining 37% comprising other species.

The contribution of the construction sector to national income at 1985 constant price was 48 451 million pesos in 2000. Lending rates by commercial banks increased from 10.858% in year 2000 to 12.400% in year 2001.

The multi-sectoral forest protection committee created under the Forest Protection Program has been implementing some of the forest law enforcement activities such as confiscation of illegally cut timber all over the country. Likewise, forest rangers are regularly employed in the specified checkpoints to abate transportation of illegally cut timbers. For the year 2002 alone, 7 780.09 $m^3$ of confiscated logs were reported throughout the country.

In an attempt to fight illegal logging, a memorandum of agreement was signed between the Department of Environment and Natural Resources (DENR) and the Autonomous Region of Muslim Mindanao (ARMM), which will allow strict monitoring of shipments originating from the ARMM's jurisdiction.

The total area planted as of 2002 was about 25 622 ha. The total area planted by the government was 20 662 ha while 4 938 ha were planted through the effort of the private sector, comprised primarily of Timber License and Industrial Forest Management Agreement holders.

***Thailand***

In mid-2002, the Forestry Department introduced a new ecosystem management plan for the Western Forest Complex - a 18 000 square

kilometre site including 6 wildlife sanctuaries, 9 national parks and 2 forest reserves divided into 4 zones, each used for different purposes such as conservation, recreation and tourism, and community use. Six Western Forest Complex Conservation Committees have been established in Kanchanaburi, Kamphaeng Phet, Nakhon Sawan, Suphan Buri, Tak and Uthai Thani.

The Forest Industry Organization (FIO) plans to increase teak exports and modernise the wood processing industry, thus aiming to export over 10 000 $m^3$ of timber per year.

The forestry police and border patrol confiscated nearly 2 000 pieces of illegally-felled processed teak buried in a Ban Tak district forest reserve – the largest seizure of illegal logs in three years.

In order to meet the increasing market demand for MDF and particleboard, the Vanachai Group (Asia's largest producer of MDF and particleboard) invested USD 47 million in building a new MDF plant in 2003. The Group currently has the capacity to produce 270 000 $m^3$ of MDF per year and 300 000 $m^3$ of particleboard per year.

***Vanuatu***

Vanuatu import tariff rates (as a percentage of product value) according to the relevant customs classification category are as follows: Chapter 44 = 20%, Chapter 47 = free, Chapter 48 = 10%, Chapter 49 = free except 49.10 & 49.11 = 30%, Chapter 94 = 35%.

Almost all export tariffs were reduced to zero and export duties rescinded in 1999 when VAT was introduced to Vanuatu. The aim is to encourage domestic processing and export growth. Thus for forest products all processed exports are free from export duty. The only exception is for Chapter 440310 to 440399 (industrial roundwood in the rough), which has an export tax of 15%.

The National Forest Policy encourages local processing of timber. In support of this a log export ban has been effective since 1995. Further to this opportunities for investment in non-timber forest products (NTFPs) is limited to those applicants who demonstrate capability of setting up and processing all NTFPs locally.

There are opportunities for the expansion of production in Vanuatu through the opening up of operations on islands currently not utilised (such as Erromango) and these are being pursued by government and industry. In world terms the potential wood volumes are small: the aim is to increase the current annual harvest from around 40 000 $m^3$ to the estimated sustainable yield of 68 000 $m^3$. The 1997 Vanuatu National Forest Policy encourages the domestic processing of forest products. Hence legislative restrictions have been placed on unprocessed roundwood log exports since 1994. In addition to this, the Department of Forests from 2001 has limited sandalwood (*Santalum album*) licences to those who show they are replanting the species or who have a domestic processing plant in place.

No major change concerning the species composition of trade is anticipated in the short term. However, there could be an increase in the trade of other forest products such as nuts, seeds and wood oil.

About 80% of Vanuatu's population dwell in the rural areas where over 90% of the buildings are built of local timber. In the main centres however, most buildings are constructed of concrete, metal and glass to resist the annual cyclones and occasional earthquakes.

Almost 100% of all large-scale logging and sawmilling companies are owned by foreigners (one Malaysian company and one owned by a New Zealander). However, about 99% of all sawmilling operations are owned and run by locals. Of the existing two sandalwood processing plants one is foreign-owned (Australia/New Zealand joint venture) and the other is jointly owned by a Ni-Vanuatu and an Australian.

To support effective enforcement of the code of logging practice and other such legal instruments, new Forestry Legislation was passed by parliament last year after a review was carried out in 2000. There are now tougher penalties for breaches of regulations, etc.

With over 80% of land covered by forests it has been quite difficult for the last 10-15 years to try and convince landowners to plant trees. Consequently the country so far has only about 2 700 ha of plantations, the majority of which are small scale (woodlots of less than 1 ha). The annual average establishment rate is 34 ha. Currently there is little logging for commercial purposes in plantations. Most harvesting operations take place in natural forests and developed areas - natural stands found on farms, cattle ranches, etc.

## Latin America and Caribbean

### *Bolivia*

Under the FSC scheme, 1 million ha of Bolivian forests has been recognized in Europe as being sustainably managed. With more than one-half of this area located in the Amazon region, Bolivia becomes one of the major countries with large areas of certified natural tropical forests. By the end of 2002, Bolivia planned to submit a further 500 000 ha for certification.

### *Brazil*

Protests from local communities, Greenpeace and other organizations at the Porto de Moz region continued in 2002 due to the lack of progress in the establishment of a 1.3 million ha extractive reserve (Verde Para Sempre Extractive Reserve), which would help eliminate illegal logging activities in the area.

As Brazil's second largest furniture market in 2001, North America (mostly the USA) has been further targeted by the Brazilian furniture sector with the aim to offset declines in Brazilian furniture trade due to the Argentinean economic crisis.

A timber deficit is anticipated after 2004 due to the on-going growth in demand for timber from forest plantations. This is the result of recent investments in pulp, paper and solid wood processing capacity. A deficit is inevitable unless a vigorous programme to increase forest plantations is implemented.

The government, with the assistance of IBAMA, has implemented a new tracing system for traded timber products. The new system strictly monitors the flow of timber from harvest to end-user.

### *Colombia*

The tariff rates applied to traded timber in Colombia are based on free trade treaties or trade agreements concluded with other countries, such as FTAA (Free Trade Agreement for the Americas).

The National Forest Development Plan is framed within a strategic forest development vision for the country over the next 25 years. One of the incentives applied to the sector is the Tax Refund Certificate (Certificado de Reembolso Tributario - CERT) as a flexible support mechanism to boost the industry and promote the export and diversification of goods and services. All forest products imported into the country, without exception, must have a phyto-sanitary certificate. No import quotas are applied on timber products.

Within the National Forest Development Plan (Plan Nacional de Desarrollo Forestal – PNDF), document CONPES 3125 describes existing short, medium and long-term programmes and sub-programmes. These include the Forest Production Chains Programme and its sub-programme for forest production supply increase, aimed at supporting the establishment and upgrading of forest industries and micro-industries, and the export training and export promotion sub-programme.

There are numerous forest species under high levels of pressure due to selective harvesting in the country. For example, in the Pacific region, the most commonly harvested species under high pressure include *Prioria copaifera, Tabebuia rosea, Carapa guianensis, Brosimun utile* and *Virola* spp. species in general. In the Andean region, there are many forest species that are still being logged even though they are only found in isolated relicts; these include: the *Lauraceae* family in general and *Jacaranda copaia, Tabebuia rosea* and *Cedrela montana*, among others. Non-traditional forest products help to partially offset the negative effects of the decline in traditional exports and domestic consumption in the country.

In 2002, the import market for forest products showed similar trends as the previous year; traded species included *Carapa guianensis, Pouteria* spp., *Cariniana pyriformes, Virola* spp., *Bursera simarouba,* and *Hura crepitans,* among others.

Lesser-used tropical timber species include *Minquarita guianensis, Brosimum* spp, *Lecithys* spp. and *Cedrela odorata,* which are mainly used for sawmilling purposes. At the domestic level, the most traded species that are in higher demand are those already mentioned in previous reports. PNDF proposed strategies to provide for specific management practices to meet the needs of each of the regions of the country, with a view to achieving sustainable human development for the population directly related to the forest sector.

In 2002, economic growth in the country was nearly 1.6%, thus exceeding 2001 levels (1.4%). This was due to the slow recovery of domestic demand, the fiscal balance, the difficult situation prevailing in international markets, and the persistent negative effects of the armed conflict.

The building sector was characterised by a significant increase in residential/commercial building construction, which more than compensated for the decline in civil works. The most dynamic segment of the housing sector were low-cost social housing starts that resulted from the subsidies given out in 2001 and 2002. Furthermore, the medium and high cost housing construction sectors have also started to show some recovery and this is expected to strengthen in 2003. The building sector growth rate in 2002 was 6.3%, with a projection of a 9.1% growth for 2003.

The increasing trend in the building sector is expected to continue as a result of the housing policy that has now been put in place by the national government. In particular, the dynamic activity of the residential building sector is expected to be maintained with the provision of 50 000 subsidies for family housing in 2002 and 2003, the implementation of inflation insurance for mortgage loans, and the consolidation of development savings accounts.

The use of Guadua (*Guadua angustifolia*) has been seen as an alternative for the construction of low-cost social housing in Colombia. Studies have shown that guadua construction costs may be around 100 000 Colombian pesos per $m^2$, while the same construction in concrete would cost approximately 500 000 Colombian pesos per $m^2$. Furthermore, Guadua is a highly resistant material that with proper treatment can last for 300–400 years. The first low-cost social housing construction experience in the country was in the city of Pereira in a project implemented by the Pereira University of Technology and GTZ, with support from the German government.

In Colombia, there is a more resistant variety of *Guadua angustifolia*, which, because of its high compression, bending and traction strength and other physical properties, is considered to be an optimal substitute for metal structures and endangered tropical timber species. Guadua is also used in the manufacture of doors, skirting boards, footbridges, kiosks/stands, boardwalks and household furniture in general.

According to the foreign investment records of the Bank of the Republic (Banco de la República), net foreign investment, excluding oil-related investments, showed a decreasing trend in 2002 compared with the previous year. In 2001, the capital inflow reported was US$3 148 million. With a capital outflow of US$862 million, the net balance was US$2 287 million. In 2002, the capital inflow decreased by 17.7% compared with 2001 while the capital outflow increased by over 100%. Despite the sharp increase in capital outflow, the 2002 figures still showed a positive net foreign investment balance.

Main countries investing in the Colombian forest sector currently include Venezuela, the USA and Ecuador. The paper industry in Colombia has a high rate of foreign investment mainly by the USA and France.

According to FINAGRO data, the government-sponsored Forest Incentive Certificate has resulted in the reforestation of 87 213 hectares from 1995 to February 2003, which can be broken down as follows: 3 491 ha in 1995; 7 320 ha in 1996; 7 514 ha in 1997; 8 308 ha in 1998; 15 214 ha in 1999; 15 498 ha in 2000; 14 574 ha in 2001; 14 288 ha in 2002; and 1 004 ha in 2003.

***Ecuador***

The Ministry of Environment in its attempt to privatise its forestry and biodiversity operations has proposed to entrust its responsibilities to CORFORE (Ecuadorian Corporation for Forestry Promotion and Development). CORFORE will be collaborating with the Ministry of Environment, Ministry of Agriculture, CORPEI (Corporation for Export and Investment Promotion), AIMA (Ecuadorian Association of Timber Industrialists), CONIFOR (National College of Foresters), Federation of Chambers of Agriculture and CODEMPE (Council for the Development of the Peoples of Ecuador) to handle forestry related issues. However, a rival association, CORPROBIO (Corporation for the Promotion of Biodiversity), has appealed to the National Congress to undertake these functions. To date no decision has been made on this matter.

Work on the 300-mile pipeline construction project implemented by the Oleoducto Crudos Pesados (OCP) since 2001 in the Mindo Cloud Forest area has been halted due to intense opposition from environmental organizations. The pipeline is scheduled to pass through seven legally protected national parks including the Yasuni National Park, the Limoncocha, Panacocha and Cuyabeno Wildlife Reserves. 40 NGOs and German politicians met in a three-day summit held in Sassenberg, Germany in December 2002 to discuss the issues involved

with the pipeline. The pipeline is being funded by the West Deutsche Landesbank and several other finance consortium banks.

***Guatemala***

The Mayan Biosphere has been a target for drug-trafficking, forest fires, government neglect, grazing and illegal logging. In March 2003, forest fires broke out mainly in Alta Verapaz, Huehuetenango, Izabal, Peten, Quiche and Zacapa, affecting to about 25% of protected areas such as the Biosphere and Las Guacamayas. The fires destroyed approximately 20 000 ha, of which 8 257 ha were protected. In the course of inspecting the damaged areas, researchers observed that not only had much illegal logging taken place, but also that the affected land was concentrated in oil leasing areas. Despite the threat inflicted by oil concessions to the reserves and other forest land, the Ministry of Energy and Mines continues to offer land leases for oil exploration.

***Guyana***

The GFC has, since April of 2000, placed a restriction on the export of Crabwood (*Carapa guianensis*) and Locust (*Hymenaea courbaril*) logs and undressed lumber. This was in response to the unavailability of the species for utilization in the local furniture industry.

Direct price incentives[1] available to the forestry sectors are:

General framework – for locals and foreigners:
- Accelerated depreciation on plant and equipment;
- Flat business tax rate;
- Export allowance for non-traditional exports to Ex-Caricom destinations – granted as a percentage of export profits and varies from 25% to 75%;
- Loss carry forward;
- Construction allowance; and
- Tax holidays for pioneering investments.

Specific framework – for locals and foreigners:
- Exemption from duty and consumption tax on equipment used in logging and land development;
- Duty and consumption tax exemptions on outboard engines up to 75 hp. Over 75 hp, 5 percent duty; and
- Waiver of 30% consumption tax on power generators.

For manufacturing activities:
- Duty and consumption tax rate of zero on most raw materials imported by registered importers;
- Accelerated allowance for capital expenditure;
- Exemption on a wide range of auxiliary plant equipment;
- Exemption from duty and consumption tax on vehicles imported exclusively for the business;
- Export allowance for producers of non-traditional forest products or agricultural goods;
- Tax exemptions from 25 to 75% of export profit depending on the share of exports from total sales; and
- Exemption from import duty and consumption tax on a range of saw milling equipment, woodworking equipment, logging equipment and land development equipment.

For investment in Linden, Ituni and Kwakwani regions, the following special incentives apply:
- Waiver of duty and consumption tax on all imported plant, machinery and equipment;
- Waiver of duty and consumption tax on all imported spares;
- Waiver of duty, consumption tax and purchase tax on all vehicles imported exclusively for the business (manufacturing and agricultural entities only).

A 2 percent export commission on forest products was imposed in 1972 (initially at 6 percent) to compensate the then Forestry Department for marketing services rendered to private sector entities engaged in the exports. The commission has developed into a rather controversial fee, with private exporters arguing that the successor organization. Guyana Forestry Commission (GFC) unjustifiably levies the commission, even though the GFC continues to provide marketing and export support, albeit in a different form.

[1] Fiscal incentives are available to attract new investors and to encourage expansion of established enterprises (details from a 2002 Discussion Document by the Planning and Development Division of the Guyana Forestry Commission titled “Incentives for the Development of Guyana’s Forestry Sector”).

It can, however, be argued that the commission provides incentives for the exportation of, and by implication, the development of downstream products given a differential structure in its current application:

| | |
|---|---|
| Logs | 2 percent charge |
| Lumber | 2 percent charge |
| Roundwood | 2 percent charge |
| Splitwood | 2 percent charge |
| Plywood | 2 percent charge |
| Furniture | exempt |
| Craft | exempt |

Furniture manufacture (and exportation) is clearly a beneficiary of government incentives, since after successful lobbies made to the government in the early 1980s a moratorium was imposed on the payment of the commission by furniture exporters. This moratorium was imposed for two years but has never been lifted after its expiration.

Barama Company Ltd is in the process of moving its operations to Buckhall where its new and improved sawmilling and slicing facilities are to be established. The new slicing and sawmilling facilities are to enable an increase in monthly production to 20 000 $m^3$ which is twice their existing capacity. Their plan is to increase from four (4) lines of plywood to twelve (12) and to introduce to the export market a line of sliced veneers made from blonde species already harvested and utilized by the company.

Case Timbers/UNAMCO which embarked on a plan to enter the plywood industry through investment in state-of-the-art equipment is now considering the possibility of converting the use of this equipment to the production of sliced veneer. Inadequate supply of peeler logs had benched their initial plan.

Farfan and Mendes Ltd., local distributor of Stihl and other brands of forestry equipment, is in the process of realizing a plan to establish a log consolidation facility linked to the export market. Its focus is on the exposure of the industry to a "cost effective processing method for minimising environment damage while maximizing revenues

**Table A Guyanese Lesser-Used Species**

| Name and Family | Uses |
|---|---|
| **Limonaballi** (*Chrysophyllum pomiferum*) Family: Sapotaceae | Heavy and light construction, posts. |
| **Sarebebeballi** (*Vouacapoua macropetala*) Family: Leguminosae (Caesalpinioideae) | Fine furniture, cabinet work, flooring, stairs, cutlery, decorative trim, turnery, brush backs, wainscoting, sleepers, poles and posts, heavy carpentry, harbour or naval construction, joinery. |
| **Black Kakaralli** (*Eschweilera subglandulosa) Family: Lecythidaceae* | Heavy carpentry, industrial flooring, sleepers, shipbuilding, poles and posts, turnery, frame construction, marine construction. |
| **Huruasa** (*Abarema jupunba*) Family: Leguminosae (Mimosoideae) | Furniture, interior trim, veneer, utility plywood, light carpentry. |
| **Suya** (*Pouteria speciosa*) Family**:** Sapotaceae | General construction, flooring, poles and posts, sleepers (treated), plywood. |
| **Kautaballi** (*Licania alba*; *Licania majuscula)* Family**:** Chrysobalanaceae | Heavy construction (above ground), shingles, charcoal, under water marine construction. |

**Table B Foreign Timber Companies in Guyana**

| Name of Company | Barama Company Ltd. | Demerara Timbers Ltd. (DTL) | Case Timbers/ UNAMCO | Caribbean Resources Ltd. |
|---|---|---|---|---|
| **Owning company** | Samling Strategic Corporation-SSC-(80%) Sunkyong Ltd.-SL-(20%) | Prime Group Investments Ltd. | Berjaya | CL Financial |
| **Nationality of owners** | SSC – Korean SL - Korean | Singapore-based | Malaysian-based | Trinidadian |
| **Area leased (ha)** | 1 621 273 | 503 415 | 236 178 | 369 268 |
| **Principal product(s) and estimated 2002 monthly production level(s)** | Plywood (10 000 $m^3$) Sawnwood (15 000 $m^3$) Unprocessed logs | Sawnwood and Logs (7 761 $m^3$) | Sawnwood (1 400 $m^3$) | Logs and Piles (600 $m^3$) |
| **Principal species** | Baromalli, Ulu, Mamuriballi, Purpleheart, Locust and Shibidan | Greenheart, Purpleheart and Kabukalli | Greenheart | Greenheart, Baromalli, Purpleheart, Parakusan and White Silverballi |

and profits….."[2] It intends to demonstrate chainsaw/board mill/portable sawmill usage in sustainable forest utilization.

The GFC is currently researching marketable lesser-used species. This comes in the wake of the realization that the accessible stocks of prime commercial species (including Greenheart, Purpleheart, Soft Wallaba and Locust) are in danger of being exhausted at existing rates of extraction. The six (6) species under attention are included in Table A. There are four (4) foreign-owned companies operating in Guyana's Timber Industry. Their details are contained in Table B.

In the first half of 2003, the GFC has had cause to seize eighty-six (86) loads of tropical timber. Fines of varying amounts were imposed on detainees with thirty-eight (38) of these remaining to be settled. The violations range from simply travelling without (or with expired) documents, to cutting undersized logs, harvesting outside concessions, harvesting protected species and false declaration of harvest volume. This is low compared to the 130 shipment detentions and fines imposed in the previous year. Apart from the above, there were no law enforcement activities of significance that occurred over the past year.

There are several experimental forest plantations throughout the country which have been established as early as the 1960's. These, with exception of the *Pinus caribaea* plantations located in the Kuiruni, Long Creek, Bartica and Ebini areas (710 ha), have been wholly neglected. Activities in the 6 plantations mentioned above, which were revived in 2000, are however constrained to minimal boundary maintenance.

***Honduras***

No tariff rates are applied to roundwood imports, there are however phyto-sanitary requirements. Processed timber products are subject to various tariff rates, including a 15% rate on all species, plus a 12% value-added tax (VAT); the administrative rate of 0.5% has recently been eliminated.

The elimination of the 0.5% administrative rate has served as a tariff-related incentive for imports. For invoice values of US$3 000.00 or more, no tariffs are applied to imports or exports. The only restriction is phyto-sanitary control. Section 44, Chapter IX, of the Central American Import Tariff Schedule governs import tariffs.

Approval by the National Congress of a single forest code, which has been partially discussed by the Legislature, is expected soon.

The results of intensive studies carried out on 27 non-traditional tropical timber species to be introduced into the domestic market are available; one of these – Laurel (*Cordia alliodora*) – has had very good acceptance in the furniture manufacturing industry.

Pine sawnwood is still a major component of the construction industry; its price has remained relatively stable over the last few years. However, prices of other industry inputs such as cement, reinforcing steel rods, etc. have increased causing a crisis in the construction industry.

Foreign involvement is through public corporations (Honduran/foreign capital), which makes it difficult to quantify the number of foreign interests and their nationality. However, foreign capital investment in the largest sawmills of Honduras (with the highest sawnwood production levels) is mostly from Cuba, Nicaragua, Italy and the USA. Furthermore, about 80% of the capital in primary timber industry companies is held by Honduran nationals, including small and medium sawmills and agroforestry cooperatives (rural groups), while the further processing industry has approximately 60% national capital.

Forest product transport controls are carried out every year on main roads throughout the country. These control operations are carried out in conjunction with other government agencies such as the Public Prosecutor's Office, the National Police, etc. Illegally extracted products are seized and later auctioned. An average of 70 000 bd ft (165 200 $m^3$) of pine sawnwood and 90 000 bd ft (212 400 $m^3$) of non-coniferous timber are seized annually.

It is estimated that there are currently about 26 600 hectares of pine plantations in the country of an average age of 28-30 years. Tree diameters in these plantations are still small (<30 cm) due to the lack of silvicultural management. A study is currently being completed to assess the dendroenergy potential of plantations in the country, particularly for pine plantations.

[2] Taken from the draft 2003 Report of the ITTO Diagnostic Mission to Guyana.

***Panama***

Recent new forest legislation includes:

1. Decree Law No. 2 of 17 January 2003, "approving Forest Policy Guidelines for Panama".
2. Executive Decree No. 057 of 5 June 2002, "imposing a total ban on the export of roundwood, logs, blocks, sawnwood or simply planed timber from natural forests or any man-made body of water.

While it is not possible to describe all industrial plans in the tropical forest industry and market, 3 industrial plants have upgraded their facilities to supply higher quality products at the national and international levels.

The National Forestry Plan for Panama is about to be formulated. This plan will include forest industry restructuring and upgrading and will establish mechanisms for the export of finished products to international markets.

The timber trade has historically focused on a limited number of species and as these become less abundant, other species are introduced into the market. Lesser-used species have undoubtedly an ecosystem and environmental value and more research is needed to assess their commercial potential.

Despite the economic situation of the country, the construction sector has maintained a dynamic level. Non-wood substitute materials are used in housing construction but not foreign timber, except for plywood and MDF products.

Timber housing construction is not very significant in Panama. Tropical timber used includes high value hardwoods such as balsam, mahogany and teak.

Forest areas in Panama under concession are not very significant. The forest industry (industrial plants) in Panama are owned by nationals as there are no longer foreign investments in the sector. Previously there were two foreign-owned companies (J.D. Hardwood Industries Inc.).

ANAM, as the institution responsible for the forest sector, monitors the implementation of forest activities and compliance with current legal provisions. Over the past year, fines have been imposed for failure to comply with the law.

There are currently 51 634 ha of plantations in Panama. The plantation establishment rate in 2002 was 3 500 hectares. In 2003, it may be 1 500 hectares and the rate of industrial timber production from forest plantations is estimated at approximately 2-3 % of overall production.

***Peru***

Import tariffs for tropical timber products are still 15% of the FOB value.

There are no export quotas or restrictions for forest species. At present, there are several incentives in place, such as the Amazonian Law, which stipulates tax exemptions for fuel and payment of income tax and general sales tax (GST). In the case of exports, there is also a drawback facility involving tax rebates of up to 5% of the FOB value for including imported products. Tariff rates depend on target markets; in the case of the US market, for instance, there is a flat rate of 0%.

In addition, lower harvesting fees are applied to those concessions that implement integrated projects for timber extraction, timber processing in mills located in the same region as the concession, and marketing of value-added forest products. Furthermore, voluntary forest certification for forest products from managed forests is also promoted.

The current forest legislation promotes the development of the forest industry throughout the national territory to ensure increased economic returns and social benefits for the communities related to forest activities. Furthermore, this legislation promotes the harvesting of a larger number of species to ensure optimal utilisation and forest logging, industrialisation and marketing chain integration. Unlike the previous legislation, whereby forest fees were based on extracted timber volumes, the current forest concession process involves the establishment of fees based on harvested areas (extent). This new system encourages increased utilisation of timber volumes.

The domestic market is focusing on a larger number of species; thus, over 300 species are known, and about 30 of these are being marketed at the domestic level. The trade in these species is important for the forest sector because an increase in forest productivity is expected as a result of new harvesting modalities in concessions granted through public tender in the Departments of Madre de Dios, Ucayali, San Martin and Huanuco, covering an area of more than 3.9 million hectares. The export market attracts

high-value species such as mahogany and cedar. The former will be listed in Appendix II of CITES as of 15 November. An increase in other hardwood exports is expected, including species such as shihuahuaco, quinilla, estoraque, etc., which are geared to the Chinese market. Cumala exports are also significant for Peru.

In Peru, there is an urgent need to develop the domestic market and boost the demand for wood-based housing construction components made of timber from tropical forests and reforested Andean watershed areas. These products can be used to process new materials for the construction of urban and rural housing at various socio-economic levels. This would have a positive effect in the national timber industry and would consequently generate employment in the sector. The limited use of timber and timber products for the construction of housing is a key problem for the sector. Its causes include: no history of timber use in housing construction; isolated development of technological and architectural research; a total lack of organisation in the sector, from the logging to the dissemination stage; and the lack of a promotional body to promote the use and consumption of timber in the building industry. The effects can be summarised as follows: a lack of promotion of production systems geared to consumers; shortage of supply of dimension, treated and seasoned timber; no history of purchase/sale of standardised quality products; a lack of application and/or knowledge of existing technical standards; a lack of knowledge on new alternative species to replace traditional species; search for and substitution with new elements to replace timber products in the building industry; a lack of awareness of existing techniques for the grading of timber based on use criteria and wood properties; a lack of interest in the private sector regarding the processing of timber products for the building industry; and a lack of supply of prefabricated parts and components, among others.

The interest of foreign investors is reflected in the forest concession processes, which have attracted investing partners from Spain and Japan.

The Forestry and Wildlife Commission (Intendencia Forestal y de Fauna Silvestre) is responsible for monitoring policies, plans, programmes and projects on sustainable use and conservation of forest resources. The Table below shows recent timber seizures due to law enforcement actions, by offence category.

Over the course of this year, an anti-logging unit (comprising 5 police officers) was set up on a pilot basis in Madre de Dios. This unit has led to increased control of illegal logging activities. The Commission against Illegal Logging has developed a strategy to combat illegal harvesting, production and trade activities, which will soon be submitted for the consideration of relevant authorities.

According to INRENA, 90% of mahogany (*Swietenia macrophylla*) logs are illegally harvested in Peru. The government has endorsed a new law which states that all concessions must submit an annual timber harvesting management plan. However, government instability has caused difficulty in implementing this law. Peru voted

**Summary of Timber Seizures: May to September 2003**

| Type | Category | Unit | May | June | July | August | September |
|---|---|---|---|---|---|---|---|
| Timber /timber products | A | $m^3$ | 55.15 | 5.43 | 40.25 | 48.03 | 2.25 |
| | | pieces | | | 142.00 | | |
| | B | $m^3$ | 20.91 | 62.90 | 65.37 | 82.70 | 37.31 |
| | | pieces | | | 126.00 | | |
| | C | $m^3$ | 10.24 | 830.82 | 457.69 | 261.78 | 74.46 |
| | | pieces | | | 206.00 | | 674.00 |
| | | logs | | | | 1,501.00 | |
| | D | kilos | 224.00 | | | 840.00 | |
| | | $m^3$ | 12.82 | 29.16 | 147.02 | 251.52 | 50.52 |
| | | logs | | | | 58.00 | |
| | E | $m^3$ | | 44.12 | 130.36 | 127.60 | 85.15 |
| | | logs | | | | 256.00 | |
| | Others | trees | | | | 18.00 | |
| | | $m^3$ | | | | 37.51 | |

against the inclusion of mahogany in CITES Appendix II, a proposal approved by CITES in November 2002. The new international rules governing mahogany trade will enter into force in November 2003. Peru is currently the largest single exporter of mahogany since Brazil's ban on new production and exports.

Most registered plantations in Peru are part of reforestation programmes with species such as Eucalyptus, pine and other native species from the highlands region. A total of 749 344 ha has so far been reforested, and out of this total, an area of 23 040 ha has been reforested in 2002.

Industrial roundwood from plantations accounts for 5–10% of national production. This figure will remain at less than 10%, due to the fact that many plantations are harvested for production purposes and are not subsequently reforested. There are also plantations that are used for protection rather than production purposes (e.g. in watershed areas). Plantation timber from the Coastal Region is mainly used for hedges (Casuarina, Eucalyptus), or very limited volumes are sold to mining companies.

***Suriname***

The main species of importance for export are *Dycorinia guianensis*, *Virola* spp., *Ocotea rubra*, *Goupia glabra*, *Tabebuia serratifolia* and *Peltogyne* spp.

There are 6 concessions with a total area of 700 000 ha granted to foreign companies. Five sawmills are owned by foreign companies. Most of the foreign companies are Chinese.

No new plantations have been established in recent years. The production from plantation forests is about 700 $m^3$ of roundwood per year.

***Trinidad and Tobago***

Current import tariffs are as follows:
Logs Tropical: Free
Logs Non-Tropical: Free
Sawn Tropical: Free
Sawn Non-Tropical: Free
Veneer Tropical: 15%
Veneer Non-Tropical: Free
Plywood Tropical: 10%
Plywood Non-Tropical: 10%

There is a government programme which provides incentives for private land owners who are establishing and practicing forestry. This will help to ensure the production of saw logs for domestic consumption and export.

Teak and pine plantations have been allocated for sale to sawmillers and new sawmilling and processing equipment is being imported.

There is a demand for the lesser-known species however the demand for non-timber tropical forest products has fallen.

There is an increased use of concrete, steel and aluminium roofs in the construction industry, instead of wood.

During 2002 100 forest offences were discovered: the lost royalty involved totalled TT$70 277. Fines imposed and recovered totalled TT$44 400.

Plantation resources are:
Teak – 9 035 ha
Pine – 3 638 ha
Mixed spp. – 2 468 ha
Approximately 200 ha of plantations are established per year.

***Venezuela***

No changes have been introduced in 2002/2003 to the import tariff rates submitted to ITTO in previous years.

Administrative changes include:

Establishment of Concession Regime: This establishes the conclusion of Administrative Contracts between the government of the Republic and concessionaires for the implementation of Timber and Non-Timber Forest Products Management Plans; and

Reforestation incentives: The rehabilitation of deforested areas within the Ticoporo and Caparo Forest Reserves in the western region of the country has been declared a priority of national interest. The rehabilitation of these areas will be based on the supply of vegetative material and the provision of technical assistance and training.

The contribution of *Pinus caribaea* (Caribbean Pine) forest plantations to national production in 2003 has been estimated at 600 000 $m^3$ of roundwood, supplying medium density fibreboard (MDF) and particleboard (PB) plants and a sawmill with an installed capacity of 150 000 $m^3$/year. Furthermore, there are a number of small and medium enterprises (SMEs) involved in timber processing for various uses.

Around 130 forest species are currently being used by the timber industry, the most significant being *Pinus caribaea*, which accounts for 60% of total national production. There are a number of lesser-used species that could be used as substitutes for commercial species if information on the physical and mechanical properties of the species is disseminated and forest industries are encouraged to make adjustments for their processing. This would ensure the diversification of the trade of species from natural forests. Furthermore, research at the National Forest Products Laboratory (LABONAC) is being promoted so as to improve the scientific information available on native species, and incentives will be created to promote their introduction into the market.

With regard to non-timber forest products, there are approximately 130 products that are important to satisfy local community needs in relation to food, medicinal plants, food additives, oils, fruits, nuts and crafts. These products enable the communities to increase their sources of income and many of them are being marketed in both the domestic and international markets.

By mid-2003, interest rates in the building sector, established though the Housing Policy Act, were about 17% per annum. The demand for family units (housing) in the country is 1 500 000 units. The Government's Social Development Policy has promoted the construction of social housing through the Single Social Fund, the National Housing Council (CONAVI), and the National Institute for Housing (INAVI), requiring timber products for construction and decoration purposes (doors, windows, frames, etc.).

There are no restrictions in the current policy for foreign investments in activities related to the management, conservation and development of forest resources in the country. Foreign involvement in activities related to forest management plans, the sawmilling, pulp, paper and cardboard industries, and high and medium density fibreboard industries (MDF and PB) has been particularly significant.

There is a National Commission for Technical Standards in the country to improve the enforcement of regulations in this field. The objective of this Commission is to ensure the ongoing consultation, revision and updating of legal provisions in the environmental field. In the forestry area in particular, the Commission, through the Technical Forest Sub-Commission, is currently updating standards for the establishment of commercial and multiple-use forest plantations as well as standards for the establishment of Reserved Wild Areas. The public consultation process for both instruments is expected to begin in the last quarter of 2003.

The public sector represented by the Ministry for the Environment and Natural Resources (MARN), the Venezuelan Corporation of Guiana (CVG) and the National Reforestation Company (CONARE) as well as the private sector including the Natural Forest Management Concessionaires Association (ASOINBOSQUES), the Association of Plantation Growers of Venezuela (ASOPLANT) and others, continue promoting and developing forest plantation projects for protection, research, industrial and multiple-use purposes. The following species are of interest: *Pinus caribaea, Eucalyptus* spp., *Gmelina arborea, Leucaena leucocephala, Fraxinus americana, Cupresus lusitanica, Tabebuia rosea, Cedrela odorata, Swietenia macrophylla* and *Tectona grandis*, among others. As of 2002, planted forests covered an area of approximately 770 000 ha, and 75% of this total had been established by the public sector.

The annual area planted under the various forest plantation projects implemented by the public and private sectors is approximately 25 000 hectares. By 2002, 17% of the total roundwood production volume originated from areas under Forest Management and Administration Plans (Planes de Ordenación y Manejo Forestal – POMF); 60% of plantations were of Caribbean Pine and 23% of annual permits were not subject to POMFs. It can therefore be concluded that 77% of the total roundwood volume is extracted from sustainably managed areas.

## Consumer Countries

***Australia***

Current tariffs rates are as follows:
Logs Tropical: Free
Logs Non-Tropical: Free
Sawn Tropical: Variable, Free - 5%
Sawn Non-Tropical: 5%
Veneer Tropical: Free
Veneer Non-Tropical: 5%
Plywood Tropical: Free
Plywood Non-Tropical: 5%
Applicable customs classification: Australian Customs Tariff – Schedule 3

Current Government Policy places a number of restrictions on the extraction of wood from native hardwood forests.

There is potential for plantation softwood sawnwood and hardwood pulpwood trade to increase over the medium to long term.

Housing construction has increased strongly in the last 2 years and appeared to have peaked in 2002, whilst mortgage and interest rates have remained at low levels. Housing construction is expected to ease over the next 2-3 years. Consumption of hardwood sawnwood has trended downwards in the medium term and substitution by softwood sawnwood and panels for hardwood sawnwood continues.

Extent of forest plantations (in 1000 ha) as at December 2001: Coniferous: 979.63; Non-coniferous: 587.86; Other: 1.41; Total: 1 568.90. Planting rate for 2001: 51.7. The average annual establishment rate (1997-2000): 32.29% per year. Proportion of industrial roundwood production from plantations: 58%.

***Canada***

Import tariffs ranging from 5% to 9.5% are imposed on various categories of plywood, although most tropical timber products are imported duty free.

The wood and wood products import policy (D95-14) was revised by the Canadian Food Inspection Agency (CFIA) in 2002. In addition to amendments to the Plant Health import permit requirements and treatment measures, new commodity groups such as bamboo products, decorative wood items, seasonal festive wood items and tropical sawnwood have been incorporated.

***China***

Untreated wood-based packaging, used in imports, has been banned in China as of 1 October 2002. With entrance to the WTO, Chinese customs have reduced import tariffs on plywood and veneer (effective as of 1 January 2002). The plywood import duty rate is now roughly 10% (down from 15%) and veneer 4% (down from 8%). Logs and sawnwood imports remain duty free.

***Egypt***

Customs tariff for sawnwood imports (HS code 4407) is 5%. The Government defers additional sales taxes (usually 5%) to encourage the private sector to increase their efforts in wood utilization. There is also a 3% customs service fee. Tariff rates on raw wood have been reduced to encourage the domestic industries.

No tropical or temperate natural forests are available in Egypt. Most of the local timber is obtained through either linear plantations or man-made forests. Presently new tropical timber plantations (*Khaya senegalensis and Terminalia arjuna*) are being established in the southern parts of Egypt.

Timber imports include mainly softwood timber, temperate hardwood timber, panel products, railroads ties, sleepers, veneer wood, plywood and particleboard.

The timber industry has increased the usage of softwood timber and hardwood timber for furniture production. Domestic buildings commonly use concrete, however, with tropical hardwood mostly used in railroad ties, and veneers and furniture manufacture.

Egypt mainly imports tropical hardwood timber from West Africa (Cameroon, Côte d'Ivoire, Gabon and Republic of Congo), Malaysia, Indonesia and China. Coniferous timber is mostly imported from Finland, Sweden, Russia, Romania, Slovenia, France, the USA and Canada.

**European Union**

***Belgium***

The Forest Stewardship Council (FSC) certified 8 200 ha of virgin tropical forest in Mato Grosso, Brazil to Saelens Trading (Belgium Timber Federation member), who became the first group to obtain certification in that region.

***Denmark***

Current tariffs rates are as follows:
Sawn Tropical: 2.0-3.5%
Sawn Non-Tropical: 2.5%
Veneer Tropical: 3.0-6.0%
Veneer Non-Tropical: 3.0-4.0%
Plywood Tropical: 6.0-10.0%
Plywood Non-Tropical: 7.0%

There are no immediate plans for expanding tropical timber processing capacity as the Danish wood industry is under pressure due to low prices. Certification of forest products is under discussion in Denmark.

***Finland***
Current tariffs rates are as follows:
Logs Tropical: 0%
Logs Non-Tropical: 0%
Sawn Tropical: 0-4.9%
Sawn Non-Tropical: 0%
Veneer Tropical: 0-6%
Veneer Non-Tropical: 0-4%
Plywood Tropical: 6-10%
Plywood Non-Tropical: 6-10%

There are no plans to extend the capacity for processing of tropical timber products. Imports of timber have increased substantially in last few years, but these are from the temperate zone (mainly Russia). Foreign trade in tropical species is insignificant and tropical timber is only of minor importance in domestic building activity.

***Germany***

| | |
|---|---|
| Building permits: | 2000 = 348 508 |
| | 2001 = 291 084 |
| Multifamily homes: | 2000 = 103 491 |
| | 2001 = 84 168 |
| Single family homes: | 2000 = 157 725 |
| | 2001 = 136 743 |

The number of building permits and housing completions continues to decline. In 1999, 437 584 permits were granted, down 8% from a year before. This had fallen to 348 508 in 2000, a drop of almost 23%. The 2000 decline in multi-family home permits was 24% and in single-family homes, 16%. This trend continued in 2001 and 2002.

***Netherlands***
Only EU import tariffs are applied to tropical timber.

Illegal logging is becoming more and more an issue in the discussion on the use of tropical hardwoods (instead of certification).

Tropical timber production capacity is decreasing; some veneer and plywood factories closed in 2002 and imported roundwood processing is decreasing.

There is an increasing use of relatively new FSC certified tropical lesser-used species.

Manufacturers of physical treated wood have started a campaign to replace tropical hardwood products for outdoor applications.

There is no significant foreign involvement in Dutch forestry. Scandinavian exporters have significant interests in the Dutch wood market.

The annual establishment rate for new plantations is approximately 1 000 ha.

***United Kingdom***
According to the National Panel Products Division (NPPD) recent imports of Chinese plywood have been incorrectly classified as 'Far Eastern'. Much Chinese plywood consists of a 0.6 mm Okoume or Meranti face veneer with a poplar core. However, Far Eastern plywood is mainly composed of tropical hardwood veneers manufactured to Indonesian/Malaysian quality standards.

The UK supported the inclusion of Big-Leaf Mahogany (*Swietenia macrophylla*) in Appendix II of CITES. The proposal was approved by CITES in November 2002 and the new requirements for export permits, etc. will take effect from November 2003.

***Japan***
There has been no change in tariffs reported in previous years, as the schedule of reductions committed to in the Uruguay Round has been completed.

Recently, Japan imported many Russian logs for plywood and the proportion of coniferous plywood production was 59% of the total domestic plywood products in 2002. The proportion of domestic plywood products in total market supply decreased by 8% to 37% in 2002 from 45% in 1998. Plywood imports overall have been generally decreasing since 1995. In accordance with tropical timber species defined by HS since 1996, Japan imported 84 major species of which 73.3% were tropical timber defined by ITTO in 2002.

A new Building Standards Act went into effect in July 2003, imposing limits on formaldehyde emissions from plywood. This will have potential implications for tropical plywood suppliers in Indonesia and Malaysia, many of whom have to introduce new processes to be able to meet the new standards.

Annual housing starts for 2002 fell by 2% to 1 151 016 units, equivalent to 70% of 1996 starts (the highest in the previous 10 years). The rate of

housing starts for wooden-structure houses for 2002 was 43.8%, down by 0.7% from 2001. The rate of housing starts in the first five months 2003 was 97% of the 2002 rate.

***New Zealand***

Current tariffs rates are as follows:
Logs Tropical: Free
Logs Non-Tropical: Free
Sawn Tropical: See Below
Sawn Non-Tropical:
Veneer Tropical: See Below
Veneer Non-Tropical: See Below
Plywood Tropical: 5%-7%
Plywood Non-Tropical: 5%-7%

Non-tropical sawn timber enters NZ duty free except for "sanded, finger-jointed" (tariff 7%). Non-tropical veneer enters NZ duty free except if not "planed" (tariff 6.5%). All sawn tropical timber enters New Zealand duty free with the exception of: HS Codes 4407.24.20, 4407.25.20, 4407.26.20, 4407.29.40 (tariff of 7.0%). Non-tropical veneers enter NZ duty free except if not "planed" (tariff 6.5%). New Zealand is a very small importer of tropical species.

The planted production forest area as at 1 April 2001 was 1.8 million ha. New planting in 2001 totalled 29 000 ha and the average over the last 30 years was 45 000 ha/yr. The proportion of roundwood production from planted production forests is now 99.7%.

***Norway***

There are no tariffs on the import of wood products in Norway. No specific factors are expected to have a significant impact on the very limited trade of tropical timber products in Norway in the near future. There are no plans for expanding tropical timber processing capacity. Lesser-used tropical timber species have limited importance. No significant changes in tropical timber consumption due to domestic factors are expected.

Forest plantations occupy approximately 300 000 ha. The establishment rate was approximately 1 400 ha in 2002. The proportion of industrial roundwood production from plantations is less than 2.5 percent.

***United States***

The New Jersey General Assembly has ruled that grants and loans from the state should not be used for boardwalk installation, or other state funded purchase, replacement or restoration projects utilizing tropical timber with the exception of FSC certified timber.

According to IWPA, the New York City Council has resubmitted a bill which indirectly calls for the usage of only FSC certified timber products.

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Hardwoodmarkets.com
In Wood International
International Wood Product Association
ITTO Market Information Service
Japan Forest Products Journal
Japan Lumber Journal
Japan Times
Malaysian Timber Bulletin
Maskayu
Random Lengths Export
STA Review
The Economist
TTJ – Timber Trade Journal
USDA Foreign Agricultural Service GAIN Reports
Wood Based Panels International
Wood Furniture – International Market Review
Wood Markets

The following websites were also consulted:

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http://www.census.gov
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# APPENDICES

The following Appendices contain data on production, trade and consumption by country (Appendix 1), major trade flows by product (Appendix 2), major species traded (Appendix 3), prices of major tropical timber products (Appendix 4), trade in secondary processed wood products (Appendix 5) and the 2002-2003 ECE/FAO Timber Committee market statement (Appendix 6).

In Appendix 1, unit values may differ for equivalent volumes/values due to rounding. In Appendix 2, figures reported by importers are shown in **bold** typeface while those corresponding to export reports are in *italics*. Only major trading relationships (the top twelve importers and exporters for each category) are presented in Appendix 2.

The sources indicated below are applicable to all tables. The notes are of relevance to one or more tables.

Sources: 2003 Joint Forest Sector Questionnaire. Other sources are indicated by the superscripts after the figures (C: UNSO COMTRADE or EUROSTAT COMEXT databases; E: UN-ECE Timber database, F: FAOSTAT database; G: Global Trade Atlas; I: ITTO estimate; $^{+}$: Proportional estimate; *: Other unofficial data including country statistical reports, trade journals, ITTO project reports, USDA Foreign Agricultural Service reports, etc. – see reference for a list of all data sources used).

Notes: Domestic Consumption = Production + Imports - Exports

The superscript "A" indicates adjustment from veneer area to volume assuming an average veneer sheet thickness of 2 mm.

The superscript "D" indicates adjustment to calendar year figures from figures provided for portions of a calendar year or for a non-calendar fiscal year.

The superscript "R" indicates a figure rounded down to 0.

The superscript "W" indicates adjustment from weight (usually metric tons) to volume assuming the following factors (unless different conversion factors are reported): coniferous logs – 1.43$m^3$/ton; non-coniferous tropical logs – 1.37$m^3$/ton; non-coniferous non-tropical logs – 1.25$m^3$/ton; coniferous sawnwood – 1.82$m^3$/ton; non-coniferous sawnwood – 1.43$m^3$/ton; veneer – 1.33$m^3$/ton; plywood – 1.54$m^3$/ton.

Dashes (--) in Tables indicate data not available or impossible to calculate (i.e. divide by zero).

Export values/prices in Appendices 1,3, 4 and 5 are FOB; import values are CIF, unless otherwise stated.

Belgium/Luxembourg ceased submitting combined statistics to international organizations, from 1999. All data for 1999-2003 present separate statistics for the two countries.

Totals in the statistical tables may not sum exactly due to rounding.

The following ITTO members did not respond to the 2003 Joint Forest Sector Questionnaire: Belgium, Brazil, Cambodia, Cameroon, Central African Republic, Gabon, Greece, Ireland, Liberia, Myanmar, Nigeria, Papua New Guinea, Spain and Vanuatu.

# Appendix 1

## Production and Trade of Timber, 1999-2003

## Table 1-1-a. Production, Trade and Consumption of All Timber by ITTO Consumers (1000 $m^3$)

| | | | Production | | | | | Imports | | | | | Exports | | | | | Domestic Consumption | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Country | Product | Species | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 |
| Australia | Logs | All | 20587 | 24042 | 24353 | 24322 | 24322 I | 1 | 2 | 1 | 1 | 1 I | 872 | 1125 | 998 | 1325 | 1325 I | 19716 | 22919 | 23356 | 22999 | 22999 |
| | | C | 10960 | 12485 | 12806 | 13766 | 13766 I | 0 R | 0 | 0 R | 0 | 0 I | 837 | 952 | 801 | 1014 | 1014 I | 10123 | 11533 | 12005 | 12752 | 12752 |
| | | NC | 9627 | 11557 | 11547 | 10556 | 10556 I | 1 | 2 | 1 | 1 | 1 I | 35 | 173 | 198 | 311 | 311 I | 9593 | 11386 | 11350 | 10246 | 10246 |
| | Sawn | All | 3673 | 3983 | 3525 | 4119 | 4119 I | 782 | 1025 | 583 | 736 | 736 I | 87 | 113 | 109 | 234 | 234 I | 4368 | 4895 | 3999 | 4622 | 4622 |
| | | C | 2338 | 2637 | 2351 | 3011 | 3011 I | 673 | 893 | 490 | 624 | 624 I | 32 | 51 | 73 | 98 | 98 I | 2979 | 3479 | 2767 | 3537 | 3537 |
| | | NC | 1335 | 1346 | 1174 | 1108 | 1108 I | 109 | 132 | 94 | 112 | 112 I | 55 | 62 | 36 | 135 | 135 I | 1389 | 1415 | 1232 | 1085 | 1085 |
| | Ven | All | 5 | 5 I | 5 I | 5 I | 5 I | 22 | 21 I | 17 I | 17 | 17 I | 5 | 6 I | 5 I | 7 I | 7 I | 22 | 20 | 17 | 16 | 16 |
| | | C | 0 | 0 I | 0 I | 0 I | 0 I | 5 | 6 I | 3 I | 1 | 1 I | 3 | 5 | 2 I | 1 I | 1 I | 1 | 1 | 1 | 0 | 0 |
| | | NC | 5 | 5 I | 5 I | 5 I | 5 I | 18 | 16 | 15 | 16 | 16 I | 1 | 1 | 3 | 6 | 6 I | 21 | 20 | 16 | 15 | 15 |
| | Ply | All | 174 | 192 | 157 | 201 | 201 I | 106 | 109 | 99 | 151 | 151 I | 9 | 6 | 14 | 14 | 14 I | 271 | 295 | 242 | 338 | 338 |
| | | C | 169 | 183 | 151 | 193 | 193 I | 52 | 51 | 58 | 96 | 96 I | 7 | 3 | 10 | 12 | 12 I | 214 | 231 | 199 | 277 | 277 |
| | | NC | 5 | 9 | 6 | 8 | 8 I | 54 | 58 | 41 | 55 | 55 I | 2 | 3 | 4 | 2 | 2 I | 57 | 64 | 44 | 61 | 61 |
| Canada | Logs | All | 190846 | 197373 | 184700 * | 200500 * | 203000 * | 6157 | 6507 | 7557 | 7458 | 6500 | 2213 | 2903 | 3835 | 4905 | 3300 | 194790 | 200978 | 188422 | 203053 | 206200 |
| | | C | 159426 | 162505 | 152600 * | 168000 * | 170000 * | 4418 | 4521 | 5339 | 4913 | 4400 | 1931 | 2595 | 3542 | 4542 | 3010 | 161913 | 164431 | 154397 | 168371 | 171390 |
| | | NC | 31420 | 34868 | 32100 * | 32500 * | 33000 * | 1739 | 1986 | 2218 | 2545 | 2100 | 282 | 308 | 293 | 363 | 290 | 32877 | 36546 | 34025 | 34682 | 34810 |
| | Sawn | All | 50411 E | 50465 E | 53708 E | 57641 E | 56563 E | 1619 E | 1736 E | 1433 E | 1646 E | 1632 E | 36191 E | 36456 E | 36513 E | 37357 E | 36478 E | 15839 | 15745 | 18628 | 21930 | 21717 |
| | | C | 49361 E | 49382 E | 52614 E | 56599 E | 55463 E | 535 E | 554 E | 395 E | 545 E | 432 E | 34852 E | 35011 E | 35220 E | 35965 E | 34978 E | 15043 | 14924 | 17789 | 21179 | 20917 |
| | | NC | 1051 | 1083 | 1094 | 1042 | 1100 | 1084 | 1182 | 1038 | 1101 | 1200 | 1339 | 1445 | 1293 | 1392 | 1500 | 796 | 820 | 839 | 751 | 800 |
| | Ven | All | 501 E | 591 I | 600 I | 650 I | 610 I | 427 E | 290 E | 306 | 298 | 300 | 781 E | 816 E | 843 | 875 | 825 | 147 | 65 | 63 | 73 | 85 |
| | | C | 401 E | 401 E | 450 I | 500 I | 490 I | 37 E | 32 E | 28 | 16 | 20 I | 386 E | 407 I | 472 | 511 | 495 I | 52 | 26 | 6 | 5 | 15 |
| | | NC | 100 E | 190 I | 150 I | 150 I | 120 I | 389 E | 258 E | 278 | 282 | 280 I | 395 E | 410 I | 371 | 364 | 330 I | 95 | 38 | 57 | 68 | 70 |
| | Ply | All | 2228 E | 2244 E | 2326 E | 2475 E | 2500 | 225 | 230 | 520 | 490 | 485 | 956 | 941 | 1030 | 1056 | 1070 | 1497 | 1533 | 1816 | 1909 | 1915 |
| | | C | 1928 E | 1944 | 2026 | 2175 | 2200 I | 142 | 128 | 116 | 153 | 150 * | 642 | 582 | 675 | 687 | 700 I | 1428 | 1490 | 1467 | 1641 | 1650 |
| | | NC | 300 E | 300 E | 300 E | 300 E | 300 I | 83 | 102 | 404 | 337 | 335 I | 314 | 360 | 355 | 369 | 370 I | 69 | 43 | 349 | 268 | 265 |
| China | Logs | All | 48487 | 43957 | 41970 | 41272 * | 41042 * | 10107 | 13612 | 16863 | 24331 | 26099 * | 20 | 27 | 18 | 11 | 8 * | 58574 | 57542 | 58816 | 65592 | 67133 |
| | | C | 33140 * | 29891 * | 29000 I | 26828 * | 26791 * | 4545 | 6401 | 9142 | 15781 | 15298 * | 2 | 1 | 1 | 0 | 0 * | 37684 | 36291 | 38141 | 42608 | 42089 |
| | | NC | 15347 * | 14066 * | 12970 I | 14444 * | 14251 * | 5562 | 7211 | 7722 | 8550 | 10801 * | 18 | 26 | 17 | 11 | 8 * | 20891 | 21252 | 20675 | 22984 | 25044 |
| | Sawn | All | 15859 | 6344 | 7638 | 8516 * | 9730 * | 2720 | 3668 | 4034 | 5396 | 6109 * | 314 C | 550 | 450 | 431 | 469 * | 18265 | 9462 | 11223 | 13481 | 15370 |
| | | C | 10076 I | 4031 I | 4853 I | 5110 * | 5724 * | 393 | 508 | 643 I | 1189 | 1522 * | 42 C | 124 | 86 I | 99 | 124 * | 10428 | 4415 | 5410 | 6200 | 7122 |
| | | NC | 5783 I | 2313 I | 2785 I | 3406 * | 4006 * | 2327 | 3160 | 3391 I | 4207 | 4587 * | 272 | 427 | 364 I | 332 | 345 * | 7837 | 5046 | 5813 | 7282 | 8248 |
| | Ven | All | 100 I | 252 | 481 | 926 | 1000 I | 640 C | 649 | 335 W | 286 | 222 I | 48 C | 53 | 62 | 93 | 118 D | 691 | 848 | 753 | 1119 | 1104 |
| | | C | 15 I | 72 I | 151 I | 290 I | 300 I | 6 C | 34 | 44 W | 82 | 90 I | 11 C | 8 | 2 | 2 | 8 I | 10 | 97 | 193 | 371 | 382 |
| | | NC | 85 I | 180 I | 330 I | 636 I | 700 I | 634 C | 616 | 291 W | 203 | 132 D | 38 C | 45 | 60 | 91 | 110 I | 681 | 751 | 560 | 748 | 722 |
| | Ply | All | 7276 | 9925 | 9045 | 11352 | 12000 I | 1042 | 1002 | 651 | 636 | 861 * | 423 | 690 | 965 | 1792 | 2010 D | 7895 | 10237 | 8731 | 10196 | 10851 |
| | | C | 4200 I | 5425 I | 5000 I | 6275 I | 6500 I | 42 I | 93 C | 25 I | 34 | 133 I | 181 | 324 | 479 | 852 | 891 * | 4061 | 5194 | 4546 | 5458 | 5742 |
| | | NC | 3076 I | 4500 I | 4045 I | 5077 I | 5500 I | 1000 I | 909 C | 626 I | 602 | 728 I | 242 | 365 | 486 | 941 | 1119 I | 3834 | 5044 | 4185 | 4738 | 5109 |

## Table 1-1-a. Production, Trade and Consumption of All Timber by ITTO Consumers (1000 $m^3$)

| Country | Product | Species | Production | | | | | Imports | | | | | Exports | | | | | Domestic Consumption | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 |
| (Hong Kong S.A.R.) | Logs | All | 5 I | 5 I | 5 I | 5 I | 5 I | 1169 G | 958 I | 691 G | 571 GI | 571 I | 2 G | 1 G | 1 G | 0 GR | 0 I | 1172 | 962 | 694 | 576 | 576 |
| | | C | 0 I | 0 I | 0 I | 0 I | 0 I | 3 G | 5 I | 1 G | 118 G | 118 I | 0 G | 0 G | 0 G | 0 G | 0 I | 3 | 5 | 1 | 118 | 118 |
| | | NC | 5 I | 5 I | 5 I | 5 I | 5 I | 1166 G | 953 G | 690 G | 454 GI | 454 I | 2 G | 1 G | 1 G | 0 GR | 0 I | 1169 | 957 | 693 | 458 | 459 |
| | Sawn | All | 300 I | 200 I | 100 I | 75 I | 75 I | 2237 G | 1301 G | 1245 G | 1390 G | 1390 I | 6 G | 6 G | 4 G | 2 G | 2 I | 2531 | 1495 | 1341 | 1463 | 1463 |
| | | C | 0 I | 0 I | 0 I | 0 I | 0 I | 254 G | 108 G | 166 G | 188 G | 188 I | 0 GR | 0 GR | 0 GR | 0 GR | 0 I | 254 | 108 | 165 | 188 | 188 |
| | | NC | 300 I | 200 I | 100 I | 75 I | 75 I | 1983 G | 1193 G | 1080 G | 1202 G | 1202 I | 6 G | 6 G | 4 G | 2 G | 2 I | 2277 | 1387 | 1176 | 1275 | 1275 |
| | Ven | All | 100 I | 100 I | 50 I | 40 I | 40 I | 78 I | 97 GA | 117 GA | 183 GW | 183 I | 1 GA | 1 GA | 0 GA | 0 GW | 0 I | 177 | 197 | 167 | 223 | 223 |
| | | C | 0 I | 0 I | 0 I | 0 I | 0 I | 2 I | 3 GA | 1 GA | 2 GW | 2 I | 0 GA | 0 GA | 0 GA | 0 GW | 0 I | 2 | 3 | 1 | 2 | 2 |
| | | NC | 100 I | 100 I | 50 I | 40 I | 40 I | 76 GA | 94 GA | 116 GA | 181 GW | 181 I | 1 GA | 0 GA | 0 GA | 0 GW | 0 I | 175 | 194 | 166 | 221 | 221 |
| | Ply | All | 30 I | 30 I | 30 I | 10 I | 10 I | 740 GA | 408 I | 375 GA | 340 GA | 339 I | 4 GA | 5 G | 14 GA | 18 GA | 18 I | 766 | 433 | 392 | 331 | 331 |
| | | C | 0 I | 0 I | 0 I | 0 I | 0 I | 14 GA | 14 I | 9 GA | 39 GA | 39 I | 0 GA | 0 G | 0 GA | 4 GA | 4 I | 13 | 13 | 9 | 35 | 35 |
| | | NC | 30 I | 30 I | 30 I | 10 I | 10 I | 727 GA | 475 GA | 366 GA | 300 GA | 300 I | 4 GA | 5 G | 14 GA | 14 GA | 14 I | 753 | 500 | 382 | 296 | 296 |
| (Macao S.A.R.) | Logs | All | 1 I | 1 I | 1 I | 1 I | 1 I | 5 C | 4 C | 0 CR | 0 I | 0 I | 0 CR | 0 CR | 0 CR | 0 I | 0 I | 6 | 5 | 1 | 1 | 1 |
| | | C | 0 I | 0 I | 0 I | 0 I | 0 I | 4 C | 3 C | 0 I | 0 I | 0 I | 0 C | 0 C | 0 I | 0 I | 0 I | 4 | 3 | 0 | 0 | 0 |
| | | NC | 1 I | 1 I | 1 I | 1 I | 1 I | 1 C | 1 C | 0 CR | 0 I | 0 I | 0 CR | 0 CR | 0 CR | 0 I | 0 I | 2 | 1 | 1 | 1 | 1 |
| | Sawn | All | 0 I | 0 I | 0 I | 0 I | 0 I | 7 C | 5 C | 4 C | 4 C | 4 I | 2 C | 3 C | 2 C | 2 C | 2 I | 5 | 2 | 2 | 2 | 2 |
| | | C | 0 I | 0 I | 0 I | 0 I | 0 I | 0 C | 0 C | 0 CR | 0 CR | 0 I | 0 CR | 0 C | 0 I | 0 I | 0 I | 0 | 0 | 0 | 0 | 0 |
| | | NC | 0 I | 0 I | 0 I | 0 I | 0 I | 7 C | 5 C | 4 C | 3 C | 3 I | 2 C | 3 C | 2 C | 2 C | 2 I | 5 | 2 | 2 | 1 | 1 |
| | Ven | All | 1 I | 1 I | 1 I | 1 I | 1 I | 0 C | 0 C | 0 CR | 0 I | 0 I | 0 CR | 0 CR | 0 CR | 0 I | 0 I | 1 | 1 | 1 | 1 | 1 |
| | | C | 0 I | 0 I | 0 I | 0 I | 0 I | 0 C | 0 C | 0 I | 0 I | 0 I | 0 C | 0 C | 0 I | 0 I | 0 I | 0 | 0 | 0 | 0 | 0 |
| | | NC | 1 I | 1 I | 1 I | 1 I | 1 I | 0 C | 0 C | 0 CR | 0 I | 0 I | 0 CR | 0 CR | 0 CR | 0 I | 0 I | 1 | 1 | 1 | 1 | 1 |
| | Ply | All | 0 I | 0 I | 0 I | 0 I | 0 I | 22 C | 21 C | 16 C | 15 C | 15 I | 4 I | 7 C | 5 C | 5 C | 5 I | 18 | 14 | 11 | 10 | 10 |
| | | C | 0 I | 0 I | 0 I | 0 I | 0 I | 3 C | 5 C | 1 C | 1 C | 1 I | 3 I | 5 C | 0 I | 0 I | 0 I | 0 | 0 | 1 | 1 | 1 |
| | | NC | 0 I | 0 I | 0 I | 0 I | 0 I | 19 C | 16 C | 15 C | 14 C | 14 I | 1 C | 2 C | 5 C | 5 C | 5 I | 18 | 14 | 10 | 9 | 9 |
| (Taiwan Province of China) | Logs | All | 23 * | 21 * | 26 * | 26 I | 26 I | 1078 C | 1393 C | 1139 *W | 1068 *W | 1068 I | 23 C | 16 C | 10 | 14 | 14 I | 1078 | 1398 | 1156 | 1080 | 1080 |
| | | C | 20 I | 18 I | 17 I | 17 I | 17 I | 268 C | 108 C | 166 *W | 174 *W | 174 I | 1 C | 4 C | 3 | 6 | 6 I | 287 | 123 | 181 | 184 | 184 |
| | | NC | 3 I | 3 I | 9 I | 9 I | 9 I | 810 C | 1284 C | 973 *W | 895 *W | 895 I | 22 C | 12 C | 7 | 8 | 8 I | 791 | 1276 | 975 | 896 | 896 |
| | Sawn | All | 100 I | 70 I | 32 I | 19 I | 20 I | 1412 C | 1211 C | 817 *W | 954 *W | 982 * | 101 C | 52 C | 46 | 44 | 50 * | 1410 | 1229 | 803 | 929 | 952 |
| | | C | 50 I | 30 I | 12 * | 9 * | 10 * | 980 C | 639 C | 416 *W | 513 *W | 529 * | 20 C | 19 C | 14 | 12 | 20 * | 1010 | 650 | 414 | 510 | 519 |
| | | NC | 50 I | 40 I | 20 I | 10 I | 10 I | 432 C | 572 C | 401 *W | 441 *W | 453 * | 81 C | 33 C | 32 | 32 | 30 * | 401 | 579 | 389 | 419 | 433 |
| | Ven | All | 100 I | 120 I | 100 I | 50 I | 40 I | 165 C | 159 C | 143 *W | 143 *W | 185 I | 7 C | 5 C | 5 | 7 | 10 I | 257 | 275 | 238 | 187 | 215 |
| | | C | 0 I | 0 I | 0 I | 0 I | 0 I | 8 C | 3 C | 12 *W | 10 *W | 15 I | 1 C | 0 C | 0 R | 0 R | 1 I | 6 | 3 | 12 | 9 | 14 |
| | | NC | 100 I | 120 I | 100 I | 50 I | 40 I | 157 C | 157 C | 132 *W | 134 *W | 170 I | 6 C | 5 C | 5 | 7 | 9 I | 251 | 272 | 227 | 177 | 201 |
| | Ply | All | 620 I | 809 I | 610 I | 409 I | 410 I | 650 C | 668 C | 502 *W | 585 *W | 810 I | 89 C | 62 C | 52 | 43 | 68 I | 1182 | 1414 | 1060 | 951 | 1152 |
| | | C | 20 I | 9 * | 10 * | 9 * | 10 * | 34 C | 36 C | 63 *W | 67 *W | 130 * | 14 C | 9 C | 4 | 2 | 8 * | 40 | 36 | 68 | 74 | 132 |
| | | NC | 600 I | 800 * | 600 I | 400 I | 400 I | 616 C | 632 C | 439 *W | 518 *W | 680 I | 74 C | 53 C | 48 | 41 | 60 I | 1142 | 1378 | 991 | 877 | 1020 |

## Table 1-1-a. Production, Trade and Consumption of All Timber by ITTO Consumers (1000 $m^3$)

| | | | Production | | | | | Imports | | | | | Exports | | | | | Domestic Consumption | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Country | Product | Species | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 |
| Egypt | Logs | All | 30 I | 30 I | 30 I | 30 I | 30 I | 218 C | 190 C | 149 C | 149 I | 149 I | 0 I | 4 | 0 R | 36 | 2 I | 248 | 216 | 179 | 143 | 177 |
| | | C | 0 I | 0 I | 0 I | 0 I | 0 I | 197 C | 170 C | 128 C | 128 I | 128 I | 0 I | 2 | 0 R | 11 | 1 I | 197 | 168 | 128 | 117 | 127 |
| | | NC | 30 I | 30 I | 30 I | 30 I | 30 I | 21 C | 20 C | 21 C | 21 I | 21 I | 0 I | 2 | 0 R | 25 | 1 I | 51 | 48 | 51 | 26 | 50 |
| | Sawn | All | 4 I | 4 I | 1 I | 1 I | 1 I | 2600 F | 2081 I | 2930 I | 2270 * | 2220 * | 0 I | 0 | 0 R | 0 * | 0 I | 2604 | 2085 | 2931 | 2271 | 2221 |
| | | C | 0 I | 0 I | 0 * | 0 * | 0 I | 2297 F | 1902 C | 2561 * | 2030 * | 2000 * | 0 I | 0 | 0 | 0 * | 0 I | 2297 | 1902 | 2561 | 2030 | 2000 |
| | | NC | 4 I | 4 I | 1 I | 1 I | 1 I | 303 F | 179 | 369 | 240 * | 220 * | 0 I | 0 | 0 R | 0 * | 0 I | 307 | 183 | 370 | 241 | 221 |
| | Ven | All | 22 I | 22 I | 12 I | 12 I | 12 I | 27 I | 35 | 55 | 10 * | 10 I | 0 I | 0 R | 0 R | 0 I | 0 I | 49 | 57 | 67 | 22 | 22 |
| | | C | 20 I | 20 I | 10 I | 10 I | 10 I | 25 I | 13 | 11 | 7 I | 7 I | 0 I | 0 R | 0 R | 0 I | 0 I | 45 | 33 | 21 | 17 | 17 |
| | | NC | 2 I | 2 I | 2 I | 2 I | 2 I | 2 I | 22 | 44 | 3 I | 3 I | 0 I | 0 | 0 R | 0 I | 0 I | 4 | 24 | 46 | 5 | 5 |
| | Ply | All | 85 I | 85 I | 85 I | 85 I | 85 I | 151 I | 105 | 161 | 161 I | 161 I | 0 I | 0 | 0 | 0 I | 0 I | 236 | 190 | 246 | 246 | 246 |
| | | C | 75 I | 75 I | 75 I | 75 I | 75 I | 51 I | 4 | 5 | 5 I | 5 I | 0 I | 0 | 0 | 0 I | 0 I | 126 | 79 | 80 | 80 | 80 |
| | | NC | 10 I | 10 I | 10 I | 10 I | 10 I | 100 I | 101 | 156 | 156 I | 156 I | 0 I | 0 | 0 | 0 I | 0 I | 110 | 111 | 166 | 166 | 166 |
| **EU** | **Logs** | **All** | **224612** | **257156** | **229944** | **231900** | **237793** | **47751** | **52860** | **51686** | **48557** | **49304** | **13683** | **17739** | **16387** | **14849** | **14737** | **292278** | **292278** | **265243** | **265608** | **272360** |
| | | **C** | **177148** | **207705** | **184321** | **187858** | **194073** | **24259** | **29154** | **28631** | **27157** | **26799** | **8719** | **11486** | **10818** | **9604** | **9172** | **225373** | **225373** | **202134** | **205412** | **211700** |
| | | **NC** | **47463** | **49451** | **45623** | **44041** | **43719** | **23493** | **23706** | **23055** | **21400** | **22505** | **4964** | **6252** | **5569** | **5245** | **5564** | **66905** | **66905** | **63109** | **60196** | **60660** |
| | **Sawn** | **All** | **75207** | **79209** | **78449** | **79359** | **80238** | **40744** | **42163** | **38813** | **38694** | **40307** | **31581** | **33786** | **33110** | **34664** | **34457** | **87586** | **87586** | **84152** | **83389** | **86088** |
| | | **C** | **67569** | **71552** | **70955** | **72604** | **73488** | **32797** | **34147** | **31453** | **32056** | **33833** | **29220** | **31506** | **31051** | **32643** | **32505** | **74193** | **74193** | **71357** | **72016** | **74816** |
| | | **NC** | **7638** | **7657** | **7494** | **6756** | **6750** | **7947** | **8016** | **7360** | **6638** | **6474** | **2361** | **2279** | **2058** | **2021** | **1952** | **13393** | **13393** | **12795** | **11373** | **11272** |
| | **Ven** | **All** | **1424** | **1336** | **1176** | **1137** | **1096** | **896** | **848** | **844** | **932** | **985** | **429** | **508** | **493** | **510** | **473** | **1676** | **1676** | **1526** | **1559** | **1608** |
| | | **C** | **362** | **285** | **269** | **246** | **377** | **255** | **164** | **167** | **204** | **209** | **113** | **156** | **151** | **142** | **127** | **293** | **293** | **286** | **308** | **459** |
| | | **NC** | **1063** | **1051** | **907** | **891** | **721** | **641** | **684** | **676** | **728** | **775** | **317** | **352** | **343** | **367** | **346** | **1383** | **1383** | **1241** | **1251** | **1150** |
| | **Ply** | **All** | **3219** | **3304** | **3177** | **3165** | **3218** | **4589** | **5013** | **5131** | **5029** | **4979** | **2532** | **2593** | **2606** | **2561** | **2631** | **5723** | **5723** | **5702** | **5634** | **5565** |
| | | **C** | **1489** | **1441** | **1398** | **1433** | **1450** | **2101** | **2402** | **2115** | **2107** | **2044** | **1204** | **1307** | **1302** | **1302** | **1342** | **2536** | **2536** | **2211** | **2238** | **2152** |
| | | **NC** | **1731** | **1863** | **1779** | **1733** | **1768** | **2489** | **2611** | **3015** | **2922** | **2935** | **1328** | **1286** | **1303** | **1259** | **1289** | **3188** | **3188** | **3491** | **3396** | **3413** |
| Austria | Logs | All | 10988 | 10416 | 10562 | 11809 | 12370 | 7093 C | 8451 C | 7493 | 7289 | 7245 | 1039 C | 924 C | 932 | 864 | 740 | 17042 | 17943 | 17123 | 18234 | 18875 |
| | | C | 10186 | 9607 | 9695 | 10900 | 11400 | 5765 C | 7020 C | 6130 | 6035 | 6330 | 622 C | 463 C | 492 | 494 | 500 | 15329 | 16164 | 15333 | 16441 | 17230 |
| | | NC | 802 | 809 | 867 | 909 | 970 | 1328 C | 1431 C | 1363 | 1254 | 915 | 417 C | 461 C | 440 | 370 | 240 | 1713 | 1779 | 1790 | 1793 | 1645 |
| | Sawn | All | 9628 | 10390 | 10227 | 10415 | 10630 | 1623 C | 1663 C | 1320 | 1351 | 1385 | 5895 | 6356 C | 6084 | 6422 | 6640 | 5356 | 5697 | 5463 | 5344 | 5375 |
| | | C | 9400 | 10150 | 10011 | 10191 | 10400 | 1286 C | 1306 C | 1125 | 1138 | 1170 | 5652 | 6147 C | 5932 | 6289 | 6500 | 5034 | 5309 | 5204 | 5040 | 5070 |
| | | NC | 228 | 240 | 216 | 224 | 230 | 337 C | 357 C | 195 | 213 | 215 | 243 | 209 C | 152 | 133 | 140 | 322 | 388 | 259 | 304 | 305 |
| | Ven | All | 23 E | 23 E | 23 E | 23 E | 23 E | 18 | 23 C | 31 | 31 | 30 | 14 | 19 C | 24 | 29 | 30 | 27 | 27 | 30 | 25 | 23 |
| | | C | 23 E | 23 E | 23 E | 23 E | 23 E | 3 | 4 C | 6 | 7 | 6 I | 2 | 2 C | 3 | 5 I | 6 I | 24 | 25 | 26 | 25 | 23 |
| | | NC | 0 E | 0 E | 0 E | 0 E | 0 E | 15 | 19 C | 25 | 24 | 24 I | 12 | 17 C | 21 | 24 I | 24 I | 3 | 2 | 4 | 0 | 0 |
| | Ply | All | 155 E | 155 E | 186 E | 186 E | 186 E | 136 | 151 C | 138 | 156 | 155 | 192 | 246 C | 286 | 240 | 240 E | 98 | 60 | 38 | 102 | 101 |
| | | C | 155 E | 155 E | 186 E | 186 E | 186 E | 70 | 68 C | 63 | 73 | 73 I | 154 | 202 C | 249 | 196 | 196 I | 71 | 21 | 0 | 63 | 63 |
| | | NC | 0 E | 0 E | 0 E | 0 E | 0 E | 66 | 83 C | 75 | 83 | 82 I | 38 | 44 C | 37 | 44 | 44 I | 28 | 39 | 38 | 39 | 38 |

## Table 1-1-a. Production, Trade and Consumption of All Timber by ITTO Consumers (1000 $m^3$)

| | | | Production | | | | | Imports | | | | | Exports | | | | | Domestic Consumption | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Country | Product | Species | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 |
| Belgium | Logs | All | 4250 E | 3960 E | 3665 E | 3950 E | 3950 | 3393 C | 3992 C | 4504 C | 2676 | 2700 | 1246 G | 1169 G | 1001 G | 1004 G | 1180 | 6397 | 6783 | 7168 | 5622 | 5470 |
| | | C | 3100 | 2780 E | 2745 E | 2950 E | 2950 | 1092 C | 1759 C | 2383 C | 1065 | 1100 | 859 G | 844 G | 664 G | 675 G | 740 | 3333 | 3696 | 4464 | 3340 | 3310 |
| | | NC | 1150 E | 1180 E | 920 E | 1000 E | 1000 | 2301 C | 2233 C | 2121 C | 1611 | 1600 | 387 G | 325 G | 337 G | 328 G | 440 | 3064 | 3088 | 2704 | 2283 | 2160 |
| | Sawn | All | 1056 | 1150 E | 1275 | 1175 | 1195 | 2167 C | 2223 C | 1977 C | 1581 | 1555 | 999 | 1025 C | 977 C | 767 | 780 | 2224 | 2349 | 2274 | 1989 | 1970 |
| | | C | 892 | 950 E | 1075 | 975 | 975 | 1453 C | 1568 C | 1383 C | 1330 | 1300 | 602 | 678 C | 671 C | 535 | 550 | 1743 | 1841 | 1787 | 1770 | 1725 |
| | | NC | 164 | 200 E | 200 | 200 | 220 | 714 C | 655 C | 593 C | 251 | 255 | 397 | 347 C | 306 C | 232 | 230 | 481 | 508 | 487 | 219 | 245 |
| | Ven | All | 45 E | 50 E | 52 | 54 | 48 | 58 E | 43 C | 34 C | 46 | 48 | 23 E | 23 C | 21 C | 44 | 45 | 80 | 70 | 65 | 56 | 51 |
| | | C | 0 E | 0 E | 0 | 0 | 0 I | 9 E | 8 C | 6 C | 12 I | 13 I | 1 I | 1 C | 1 C | 5 I | 5 I | 8 | 7 | 5 | 7 | 8 |
| | | NC | 45 E | 50 E | 52 | 54 | 48 I | 49 E | 35 C | 28 C | 34 I | 35 I | 22 I | 22 C | 21 C | 39 I | 40 I | 72 | 63 | 59 | 49 | 43 |
| | Ply | All | 59 E | 35 E | 30 | 25 | 20 | 530 | 534 C | 526 C | 502 | 470 | 403 E | 380 C | 378 C | 360 | 350 | 186 | 189 | 179 | 167 | 140 |
| | | C | 1 E | 1 E | 0 | 1 | 0 I | 164 | 180 C | 164 C | 177 I | 160 I | 89 E | 95 C | 90 C | 95 I | 90 I | 75 | 85 | 74 | 83 | 70 |
| | | NC | 59 E | 35 E | 30 | 25 | 20 I | 366 | 354 C | 363 C | 325 I | 310 I | 314 E | 285 C | 288 C | 265 I | 260 I | 111 | 104 | 105 | 85 | 70 |
| Denmark | Logs | All | 1236 E | 2492 E | 996 E | 789 E | 1168 I | 664 | 530 | 448 | 507 | 507 I | 289 | 876 | 726 | 567 | 565 I | 1611 | 2146 | 718 | 729 | 1110 |
| | | C | 915 | 2192 E | 792 E | 638 E | 931 I | 252 | 162 | 124 | 195 | 195 I | 124 | 706 | 591 | 159 | 160 I | 1043 | 1648 | 325 | 674 | 966 |
| | | NC | 321 E | 300 E | 204 E | 151 E | 237 I | 412 | 368 | 324 | 312 | 312 I | 165 | 170 | 135 | 408 | 405 I | 568 | 498 | 393 | 55 | 144 |
| | Sawn | All | 344 | 364 | 281 | 244 | 244 I | 4744 | 2925 E | 2659 | 2689 | 4190 E | 175 | 117 | 142 | 368 | 368 I | 4913 | 3172 | 2798 | 2565 | 4066 |
| | | C | 297 | 327 | 238 | 217 | 217 I | 4569 | 2794 E | 2465 | 2434 | 4005 E | 114 | 102 | 84 | 293 | 293 I | 4752 | 3019 | 2619 | 2358 | 3929 |
| | | NC | 47 | 37 | 43 | 27 | 27 I | 175 | 131 | 194 | 255 | 185 E | 61 | 15 | 58 | 75 | 75 I | 161 | 153 | 179 | 207 | 137 |
| | Ven | All | 12 | 30 | 0 | 1 | 1 I | 149 | 40 | 47 | 73 | 134 E | 22 | 7 | 5 | 15 | 15 I | 139 | 63 | 42 | 59 | 120 |
| | | C | 0 | 0 | 0 | 0 | 0 I | 104 | 6 | 9 | 29 | 50 I | 3 | 1 | 0 R | 0 R | 0 I | 101 | 5 | 9 | 29 | 50 |
| | | NC | 12 | 30 | 0 | 1 | 1 I | 45 | 34 | 38 | 44 | 84 I | 19 | 6 | 5 | 15 | 15 I | 38 | 58 | 33 | 30 | 70 |
| | Ply | All | 15 | 16 | 19 I | 24 I | 24 I | 222 | 247 | 250 | 263 I | 270 E | 69 | 41 | 52 | 80 | 80 I | 168 | 222 | 217 | 207 | 214 |
| | | C | 13 | 15 | 14 | 19 | 19 I | 129 | 158 | 139 | 166 | 173 I | 20 | 30 | 38 | 44 | 44 I | 122 | 143 | 115 | 141 | 148 |
| | | NC | 2 | 1 | 5 I | 5 I | 5 I | 93 | 89 | 111 | 97 E | 97 I | 49 | 11 | 14 | 36 | 36 I | 46 | 79 | 102 | 66 | 66 |
| Finland | Logs | All | 49593 | 50147 | 47727 | 48529 | 48200 | 10160 | 9875 | 11870 | 12586 | 13866 | 758 | 519 | 399 | 404 | 350 | 58995 | 59503 | 59198 | 60712 | 61716 |
| | | C | 43732 | 44369 | 41729 | 42479 | 43156 | 3899 | 4168 | 5259 | 6161 | 6027 | 743 | 501 | 382 | 391 | 340 | 46888 | 48036 | 46606 | 48249 | 48843 |
| | | NC | 5861 | 5778 | 5998 | 6050 | 5044 | 6261 | 5707 | 6611 | 6425 | 7839 | 15 | 19 | 17 | 13 | 10 | 12107 | 11467 | 12592 | 12462 | 12873 |
| | Sawn | All | 12768 | 13420 | 12770 | 13390 | 13510 | 289 | 341 | 280 | 257 | 341 | 8292 | 8431 | 8136 | 8187 | 8220 | 4765 | 5330 | 4914 | 5460 | 5631 |
| | | C | 12708 | 13320 | 12670 | 13280 | 13400 | 221 | 263 | 205 | 191 | 270 | 8269 | 8405 | 8114 | 8167 | 8200 | 4660 | 5178 | 4761 | 5304 | 5470 |
| | | NC | 60 | 100 | 100 | 110 | 110 | 68 | 78 | 75 | 67 | 71 | 23 | 26 | 22 | 20 | 20 | 105 | 152 | 153 | 157 | 161 |
| | Ven | All | 74 E | 84 I | 85 I | 70 E | 70 | 9 | 7 | 14 | 22 | 22 | 80 | 90 | 97 | 75 | 75 | 3 | 1 | 2 | 16 | 17 |
| | | C | 68 I | 78 I | 85 I | 70 E | 70 | 0 | 0 R | 0 R | 0 R | 1 | 68 | 77 | 83 | 62 | 62 | 0 | 1 | 2 | 8 | 9 |
| | | NC | 6 I | 6 I | 0 E | 0 E | 0 | 9 | 7 | 14 | 21 | 21 | 12 | 13 | 14 | 13 | 13 | 3 | 0 | 0 | 8 | 8 |
| | Ply | All | 1076 | 1170 C | 1140 E | 1240 | 1340 | 23 | 33 | 60 | 71 | 89 | 939 | 1006 | 1009 | 1117 | 1235 | 160 | 197 | 191 | 194 | 194 |
| | | C | 578 | 620 I | 610 E | 720 | 750 I | 3 | 2 | 3 | 5 | 6 | 510 | 546 | 520 | 622 | 688 | 71 | 76 | 93 | 104 | 68 |
| | | NC | 498 | 550 I | 530 E | 520 | 590 I | 20 | 31 | 56 | 66 | 83 | 429 | 460 | 489 | 495 | 547 | 89 | 121 | 97 | 90 | 126 |

## Table 1-1-a. Production, Trade and Consumption of All Timber by ITTO Consumers (1000 $m^3$)

| | | | Production | | | | | Imports | | | | | Exports | | | | | Domestic Consumption | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Country | Product | Species | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 |
| France | Logs | All | 33237 | 43440 | 37471 | 32255 | 33000 | 2015 C | 2012 | 1994 | 1984 | 2404 | 2720 C | 5522 | 5116 | 3916 | 3988 | 32532 | 39930 | 34348 | 30323 | 31416 |
| | | C | 19916 | 28500 | 25042 | 21283 | 21700 | 484 C | 628 | 772 | 853 | 1206 | 823 C | 2746 | 3163 | 2155 | 2067 | 19577 | 26382 | 22651 | 19981 | 20839 |
| | | NC | 13321 | 14940 | 12429 | 10972 | 11300 | 1531 C | 1384 | 1222 | 1131 | 1198 | 1897 C | 2777 | 1954 | 1761 | 1921 | 12955 | 13547 | 11697 | 10342 | 10577 |
| | Sawn | All | 10236 | 10536 | 10518 | 10150 | 10200 | 3166 E | 3341 | 3328 | 3279 | 3344 | 1248 E | 1386 | 1317 | 1420 | 1362 | 12154 | 12491 | 12529 | 12009 | 12182 |
| | | C | 7257 | 7568 | 7714 | 7700 | 7800 | 2446 E | 2682 | 2665 | 2742 | 2785 | 529 E | 724 | 737 | 821 | 782 | 9174 | 9525 | 9642 | 9621 | 9803 |
| | | NC | 2979 | 2968 | 2804 | 2450 | 2400 | 720 E | 659 | 663 | 537 | 559 | 719 E | 661 | 580 | 599 | 580 | 2980 | 2966 | 2887 | 2388 | 2379 |
| | Ven | All | 150 E | 151 E | 139 E | 127 E | 130 | 91 | 101 | 116 | 130 | 124 | 62 | 77 | 72 | 72 | 51 | 180 | 175 | 183 | 185 | 203 |
| | | C | 45 I | 40 I | 42 E | 38 E | 40 I | 48 | 49 | 49 | 46 | 42 I | 3 | 4 | 6 | 5 I | 3 I | 91 | 85 | 86 | 79 | 79 |
| | | NC | 105 I | 111 I | 97 E | 89 E | 90 I | 43 | 52 | 67 | 84 | 82 I | 59 | 73 | 67 | 67 I | 48 I | 89 | 90 | 97 | 106 | 124 |
| | Ply | All | 546 | 558 | 509 | 450 | 430 | 365 | 348 | 358 | 378 | 400 | 243 | 231 | 200 | 220 | 210 | 668 | 675 | 666 | 608 | 620 |
| | | C | 145 | 148 | 121 | 100 I | 100 I | 162 | 135 | 136 | 153 I | 160 I | 114 | 93 | 75 | 90 I | 85 I | 193 | 190 | 182 | 163 | 175 |
| | | NC | 401 | 410 | 388 | 350 I | 330 I | 203 | 213 | 221 | 225 I | 240 I | 129 | 138 | 125 | 130 I | 125 I | 475 | 485 | 484 | 445 | 445 |
| Germany | Logs | All | 35063 | 51088 | 36502 | 37755 | 38057 | 2722 | 3549 | 3493 | 2459 | 2704 | 4552 | 5558 | 4906 | 4427 | 4461 | 33233 | 49079 | 35089 | 35787 | 36300 |
| | | C | 26410 | 41774 | 27083 | 29968 | 30208 | 2446 | 2953 | 3070 | 2134 | 2347 | 3343 | 4083 | 3398 | 3142 | 3167 | 25513 | 40644 | 26755 | 28960 | 29388 |
| | | NC | 8653 | 9314 | 9419 | 7787 | 7849 | 276 | 596 | 423 | 325 | 357 | 1209 | 1475 | 1508 | 1285 | 1294 | 7720 | 8435 | 8334 | 6827 | 6912 |
| | Sawn | All | 16096 | 16340 | 16131 | 16866 | 16800 | 5514 | 6344 | 4989 | 4822 | 4674 | 2385 | 3911 | 4083 | 4439 | 4548 | 19225 | 18773 | 17037 | 17249 | 16926 |
| | | C | 14537 | 15020 | 14889 | 15726 | 15700 | 4705 | 5522 | 4278 | 4178 | 4094 | 1891 | 3295 | 3496 | 3850 | 4025 | 17351 | 17247 | 15671 | 16054 | 15769 |
| | | NC | 1559 | 1320 | 1242 | 1140 | 1100 | 809 | 822 | 711 | 644 | 580 | 494 | 616 | 587 | 589 | 523 | 1874 | 1526 | 1366 | 1195 | 1157 |
| | Ven | All | 392 E | 392 E | 251 | 250 | 234 | 177 | 187 | 163 | 160 | 165 | 113 | 127 | 124 | 116 | 130 | 456 | 452 | 290 | 294 | 269 |
| | | C | 72 I | 72 I | 51 I | 50 I | 184 I | 14 | 12 | 12 | 10 I | 15 I | 3 | 2 | 2 | 1 | 5 I | 83 | 82 | 61 | 59 | 194 |
| | | NC | 320 I | 320 I | 200 I | 200 I | 50 I | 163 | 175 | 151 | 150 I | 150 I | 110 | 125 | 122 | 115 | 125 I | 373 | 370 | 229 | 235 | 75 |
| | Ply | All | 364 | 357 | 321 E | 275 | 259 | 1021 E | 1149 E | 1133 * | 1011 | 1029 | 160 | 210 | 236 * | 160 * | 147 | 1225 | 1296 | 1218 | 1126 | 1141 |
| | | C | 280 I | 277 I | 246 I | 205 I | 195 I | 660 I | 729 I | 480 * | 411 I | 419 I | 95 I | 130 I | 110 * | 80 * | 80 I | 845 | 876 | 616 | 536 | 534 |
| | | NC | 84 I | 80 I | 75 I | 70 I | 64 I | 361 I | 420 I | 652 * | 600 I | 610 I | 65 I | 80 I | 126 * | 80 * | 67 I | 380 | 420 | 602 | 590 | 607 |
| Greece | Logs | All | 811 | 645 | 515 | 498 | 498 I | 292 | 239 E | 365 | 314 E | 460 I | 3 | 0 C | 1 C | 0 R | 0 I | 1099 | 884 | 879 | 812 | 958 |
| | | C | 448 | 412 | 324 | 332 | 332 I | 111 | 96 E | 55 E | 54 E | 54 I | 0 R | 0 C | 0 C | 0 | 0 I | 558 | 508 | 379 | 386 | 386 |
| | | NC | 363 | 233 | 191 | 166 | 166 I | 181 | 143 C | 310 | 260 E | 406 I | 3 | 0 C | 1 C | 0 R | 0 I | 541 | 376 | 500 | 426 | 572 |
| | Sawn | All | 140 | 123 | 123 E | 123 E | 123 I | 780 E | 758 C | 763 | 838 | 1117 I | 16 | 11 C | 16 E | 14 E | 14 I | 903 | 870 | 870 | 947 | 1226 |
| | | C | 87 | 71 | 71 E | 71 E | 71 I | 580 | 595 C | 583 | 649 | 915 I | 5 | 0 C | 1 C | 4 E | 4 I | 661 | 666 | 653 | 716 | 982 |
| | | NC | 53 | 52 | 52 E | 52 E | 52 I | 200 E | 162 C | 180 E | 189 E | 202 I | 11 | 11 C | 15 E | 10 | 10 I | 242 | 203 | 217 | 231 | 244 |
| | Ven | All | 7 | 0 | 0 E | 0 E | 0 I | 11 C | 10 C | 14 | 22 | 13 I | 1 | 0 CR | 2 C | 9 | 1 I | 17 | 10 | 12 | 13 | 12 |
| | | C | 0 | 0 | 0 E | 0 E | 0 I | 0 R | 1 C | 3 | 13 | 5 I | 0 R | 0 CR | 1 C | 2 | 1 I | 0 | 1 | 2 | 11 | 4 |
| | | NC | 7 | 0 | 0 E | 0 E | 0 I | 11 C | 9 C | 11 | 9 | 8 I | 1 | 0 CR | 0 CR | 7 | 0 I | 17 | 9 | 11 | 3 | 8 |
| | Ply | All | 34 | 34 E | 34 E | 34 E | 34 I | 15 | 25 E | 30 E | 17 E | 17 I | 19 | 6 C | 6 E | 1 E | 1 I | 31 | 54 | 58 | 50 | 50 |
| | | C | 0 | 0 E | 0 E | 0 E | 0 I | 9 | 11 I | 12 E | 6 E | 6 I | 0 R | 0 C | 1 E | 0 E | 0 I | 9 | 11 | 11 | 6 | 6 |
| | | NC | 34 | 34 E | 34 E | 34 E | 34 I | 6 | 14 I | 19 E | 11 E | 11 I | 18 | 5 C | 5 E | 1 E | 1 I | 22 | 43 | 48 | 44 | 44 |

## Table 1-1-a. Production, Trade and Consumption of All Timber by ITTO Consumers (1000 $m^3$)

| | | | Production | | | | | Imports | | | | | Exports | | | | | Domestic Consumption | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Country | Product | Species | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 |
| Ireland | Logs | All | 2511 | 2600 | 2423 | 2423 | 2423 | 320 C | 106 C | 99 | 138 | 137 I | 176 C | 42 | 51 | 124 | 124 I | 2655 | 2665 | 2471 | 2437 | 2436 |
| | | C | 2476 | 2581 | 2412 | 2412 | 2412 | 289 C | 74 C | 62 | 70 | 70 I | 175 C | 41 | 50 | 124 | 124 I | 2590 | 2614 | 2424 | 2358 | 2358 |
| | | NC | 35 | 19 | 11 | 11 | 11 | 31 C | 32 C | 37 | 68 | 68 I | 1 C | 1 E | 1 | 0 R | 0 I | 65 | 50 | 47 | 79 | 79 |
| | Sawn | All | 811 | 888 | 925 | 969 | 988 | 570 C | 646 C | 663 | 842 | 842 I | 234 C | 274 C | 191 | 316 | 316 I | 1147 | 1260 | 1397 | 1495 | 1514 |
| | | C | 804 | 886 | 919 | 958 | 977 | 429 C | 525 C | 564 | 756 | 756 I | 227 C | 266 C | 186 | 309 | 309 I | 1006 | 1145 | 1297 | 1405 | 1424 |
| | | NC | 7 | 2 | 6 | 11 | 11 | 141 C | 121 C | 99 | 86 | 86 I | 7 C | 8 C | 5 | 7 | 7 I | 141 | 115 | 100 | 90 | 90 |
| | Ven | All | 3 I | 0 | 0 | 0 | 0 | 5 C | 4 C | 4 | 13 | 13 I | 1 C | 0 E | 1 | 1 | 1 I | 7 | 4 | 3 | 12 | 12 |
| | | C | 0 | 0 | 0 | 0 | 0 I | 3 C | 2 C | 1 | 2 | 2 I | 0 CR | 0 E | 0 R | 0 R | 0 I | 3 | 2 | 1 | 2 | 2 |
| | | NC | 3 I | 0 | 0 | 0 | 0 I | 2 C | 2 C | 3 | 11 | 11 I | 1 C | 0 C | 1 | 1 | 1 I | 4 | 2 | 2 | 10 | 10 |
| | Ply | All | 0 | 0 | 0 | 0 | 0 | 142 C | 138 C | 161 E | 159 | 159 | 2 C | 18 C | 7 | 1 | 1 I | 140 | 120 | 154 | 158 | 158 |
| | | C | 0 | 0 | 0 | 0 | 0 I | 76 C | 73 C | 86 E | 90 E | 90 | 1 C | 7 C | 5 E | 1 E | 1 I | 75 | 66 | 81 | 89 | 89 |
| | | NC | 0 | 0 | 0 | 0 | 0 I | 67 C | 65 C | 75 E | 69 E | 69 | 1 C | 11 C | 2 E | 0 E | 0 I | 66 | 54 | 73 | 69 | 69 |
| Italy | Logs | All | 4213 | 3649 | 2972 | 3219 | 3225 | 4952 | 5805 | 5211 | 5277 | 5277 I | 15 | 24 | 23 | 16 | 16 | 9150 | 9430 | 8160 | 8480 | 8486 |
| | | C | 1156 | 1098 | 1098 | 1077 | 1085 | 2093 | 2585 | 2287 | 2358 | 2358 I | 3 | 4 | 3 | 3 | 3 | 3246 | 3679 | 3382 | 3432 | 3440 |
| | | NC | 3057 | 2551 | 1874 | 2142 | 2140 | 2859 | 3220 | 2924 | 2919 | 2919 I | 12 | 20 | 20 | 13 | 13 | 5904 | 5751 | 4778 | 5048 | 5046 |
| | Sawn | All | 1630 | 1630 | 1600 | 1605 | 1590 | 7605 | 8380 | 7785 | 7857 | 8100 | 212 | 208 | 197 | 187 | 180 | 9023 | 9802 | 9188 | 9275 | 9510 |
| | | C | 730 | 730 | 700 | 715 | 710 | 5551 | 6304 | 5948 | 6092 | 6200 | 51 | 41 | 50 | 55 | 50 | 6230 | 6993 | 6598 | 6752 | 6860 |
| | | NC | 900 | 900 | 900 | 890 | 880 | 2054 | 2076 | 1837 | 1765 | 1900 | 161 | 167 | 147 | 132 | 130 | 2793 | 2809 | 2590 | 2523 | 2650 |
| | Ven | All | 450 | 450 | 480 | 470 | 470 | 175 | 199 | 174 | 183 | 190 | 22 | 28 | 25 | 28 | 27 | 603 | 621 | 629 | 625 | 633 |
| | | C | 70 I | 10 | 10 | 10 | 10 I | 12 | 10 | 7 | 9 | 10 I | 1 | 3 | 3 | 4 | 4 I | 81 | 17 | 14 | 15 | 16 |
| | | NC | 380 I | 440 | 470 | 460 | 460 I | 163 | 189 | 167 | 174 | 180 I | 21 | 25 | 22 | 24 | 23 I | 522 | 604 | 615 | 610 | 617 |
| | Ply | All | 450 | 450 | 418 | 450 | 450 | 367 | 422 | 425 | 488 | 450 | 139 | 146 | 125 E | 140 | 120 | 678 | 726 | 718 | 798 | 780 |
| | | C | 100 I | 10 | 10 | 20 | 20 | 160 | 175 | 167 | 192 | 170 I | 51 | 48 | 59 E | 43 | 30 I | 209 | 137 | 118 | 169 | 160 |
| | | NC | 350 I | 440 | 408 | 430 | 430 | 207 | 247 | 258 | 296 | 280 I | 88 | 98 | 66 | 97 | 90 I | 469 | 589 | 600 | 629 | 620 |
| Luxembourg | Logs | All | 242 | 242 E | 135 | 135 | 135 I | 458 | 753 | 679 C | 902 | 902 I | 291 | 219 E | 203 | 129 | 129 I | 409 | 776 | 612 | 909 | 909 |
| | | C | 120 | 120 E | 37 | 40 | 40 I | 451 | 687 | 628 C | 847 | 847 I | 227 | 154 | 151 | 83 | 83 I | 345 | 654 | 514 | 804 | 804 |
| | | NC | 121 | 121 E | 98 | 95 | 95 I | 7 | 66 | 51 C | 55 | 55 I | 64 | 65 | 52 | 45 | 45 I | 65 | 123 | 97 | 105 | 105 |
| | Sawn | All | 133 | 133 E | 133 E | 133 E | 133 I | 74 | 64 E | 70 E | 51 E | 51 I | 50 | 33 E | 28 E | 35 E | 35 I | 158 | 164 | 176 | 149 | 149 |
| | | C | 113 | 113 E | 113 E | 113 E | 113 I | 58 | 49 E | 48 E | 36 E | 36 I | 42 | 33 E | 28 E | 34 E | 34 I | 129 | 130 | 134 | 115 | 115 |
| | | NC | 20 | 20 E | 20 E | 20 E | 20 I | 16 | 14 | 22 C | 15 | 15 I | 7 | 0 R | 0 R | 1 | 1 I | 29 | 34 | 42 | 34 | 34 |
| | Ven | All | 0 | 0 I | 0 E | 0 E | 0 I | 0 R | 0 R | 0 E | 1 E | 1 I | 0 R | 0 R | 0 R | 0 E | 0 I | 0 | 0 | 0 | 1 | 1 |
| | | C | 0 | 0 I | 0 E | 0 E | 0 I | 0 R | 0 R | 0 E | 0 E | 0 I | 0 R | 0 R | 0 R | 0 R | 0 I | 0 | 0 | 0 | 0 | 0 |
| | | NC | 0 | 0 I | 0 E | 0 E | 0 I | 0 R | 0 R | 0 E | 0 E | 0 I | 0 | 0 R | 0 | 0 E | 0 I | 0 | 0 | 0 | 0 | 0 |
| | Ply | All | 0 | 0 I | 0 E | 0 E | 0 I | 8 | 12 E | 14 I | 8 E | 8 I | 0 R | 1 E | 0 E | 0 E | 0 I | 8 | 11 | 14 | 8 | 8 |
| | | C | 0 | 0 I | 0 E | 0 E | 0 I | 4 | 7 | 9 | 2 E | 2 I | 0 R | 0 | 0 E | 0 E | 0 I | 4 | 7 | 9 | 2 | 2 |
| | | NC | 0 | 0 I | 0 E | 0 E | 0 I | 4 | 4 E | 5 E | 6 E | 6 I | 0 R | 0 E | 0 E | 0 E | 0 I | 4 | 4 | 5 | 6 | 6 |

## Table 1-1-a. Production, Trade and Consumption of All Timber by ITTO Consumers (1000 $m^3$)

| | | | Production | | | | | Imports | | | | | Exports | | | | | Domestic Consumption | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Country | Product | Species | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 |
| Netherlands | Logs | All | 882 | 879 | 729 | 703 | 691 | 428 E | 383 | 435 | 506 | 450 | 262 | 220 | 416 | 362 | 350 | 1048 | 1042 | 748 | 847 | 791 |
| | | C | 651 | 645 | 544 | 522 | 504 | 203 E | 152 | 265 | 350 | 300 | 160 | 142 | 332 | 281 | 275 | 694 | 655 | 477 | 592 | 529 |
| | | NC | 231 | 234 | 185 | 181 | 187 | 226 E | 231 | 170 | 155 | 150 | 102 | 78 | 83 | 82 | 75 | 355 | 387 | 272 | 255 | 262 |
| | Sawn | All | 362 | 389 | 268 | 258 | 260 | 3606 E | 3705 | 3294 | 3022 | 2830 | 427 | 380 | 305 | 356 | 355 | 3541 | 3714 | 3258 | 2924 | 2735 |
| | | C | 203 | 247 | 168 | 149 | 150 | 2915 E | 2957 | 2669 | 2455 | 2300 | 278 | 269 | 211 | 220 | 220 | 2841 | 2934 | 2626 | 2384 | 2230 |
| | | NC | 159 | 143 | 100 | 109 | 110 | 691 E | 748 | 625 | 567 | 530 | 150 | 111 | 93 | 136 | 135 | 701 | 780 | 631 | 540 | 505 |
| | Ven | All | 19 | 19 | 18 | 11 | 0 | 24 | 23 | 23 | 25 | 35 | 15 | 14 | 17 | 12 | 10 | 28 | 28 | 24 | 24 | 25 |
| | | C | 0 | 0 | 0 | 0 | 0 I | 9 | 11 | 11 | 12 | 10 I | 1 | 1 | 0 R | 0 R | 0 | 8 | 10 | 11 | 12 | 10 |
| | | NC | 19 | 19 | 18 | 11 | 2 I | 15 | 12 | 12 | 13 | 25 I | 14 | 13 | 16 | 11 | 10 | 20 | 18 | 13 | 13 | 17 |
| | Ply | All | 3 | 3 | 2 | 2 | 0 | 558 | 594 | 600 | 541 | 505 | 51 | 55 | 57 | 43 | 50 | 510 | 542 | 546 | 500 | 455 |
| | | C | 0 | 0 | 0 | 0 | 0 | 243 | 274 | 288 | 225 | 200 I | 13 | 15 | 18 | 7 | 8 I | 230 | 259 | 270 | 218 | 192 |
| | | NC | 3 | 3 | 2 | 2 | 0 | 315 | 320 | 313 | 316 | 305 I | 38 | 40 | 39 | 36 | 42 I | 280 | 282 | 276 | 282 | 263 |
| Portugal | Logs | All | 8378 | 10231 | 8346 | 8142 | 9350 | 1432 | 1341 | 1109 | 1067 | 1067 I | 543 | 557 | 809 | 805 | 1040 | 9267 | 11015 | 8646 | 8404 | 9377 |
| | | C | 4180 | 4982 | 3758 | 3085 | 4280 | 118 | 181 | 138 | 240 | 240 I | 127 | 97 | 121 | 84 | 58 | 4171 | 5066 | 3775 | 3241 | 4462 |
| | | NC | 4198 | 5249 | 4588 | 5057 | 5070 | 1314 | 1160 | 971 | 827 | 827 I | 416 | 460 | 688 | 721 | 982 | 5095 | 5949 | 4871 | 5163 | 4915 |
| | Sawn | All | 1430 | 1427 | 1492 | 1298 | 1310 | 273 | 297 | 252 | 274 | 248 | 339 | 283 | 281 | 250 | 259 | 1364 | 1441 | 1463 | 1322 | 1299 |
| | | C | 1080 | 1020 | 987 | 859 | 890 | 50 | 45 | 50 | 47 | 52 | 325 | 272 | 272 | 235 | 238 | 805 | 793 | 765 | 671 | 704 |
| | | NC | 350 | 407 | 505 | 439 | 420 | 223 | 252 | 202 | 227 | 196 | 14 | 12 | 9 | 15 | 21 | 559 | 647 | 698 | 651 | 595 |
| | Ven | All | 45 I | 45 | 41 | 42 | 40 | 16 | 32 | 38 | 48 | 35 | 13 | 53 | 40 | 43 | 28 | 48 | 23 | 39 | 47 | 47 |
| | | C | 40 I | 40 | 36 | 36 | 35 I | 3 | 6 | 5 | 6 | 5 I | 10 | 44 | 32 | 31 | 20 I | 33 | 2 | 9 | 11 | 20 |
| | | NC | 5 I | 5 | 5 | 6 | 5 I | 13 | 26 | 33 | 42 | 30 I | 3 | 10 | 8 | 12 | 8 I | 15 | 21 | 30 | 36 | 27 |
| | Ply | All | 26 | 31 | 32 | 32 | 30 | 19 | 30 | 32 | 24 | 27 | 4 | 5 | 6 | 11 | 12 | 41 | 56 | 58 | 45 | 45 |
| | | C | 10 | 3 | 5 | 5 | 5 I | 6 | 5 | 9 | 9 | 10 I | 3 | 4 | 5 | 10 | 10 I | 13 | 3 | 9 | 4 | 5 |
| | | NC | 16 | 28 | 27 | 27 | 25 I | 14 | 25 | 23 | 15 | 17 I | 1 | 0 | 1 | 1 | 2 I | 29 | 53 | 49 | 41 | 40 |
| Spain | Logs | All | 13160 | 12721 | 13276 | 13850 | 14075 | 3228 C | 3752 C | 4127 | 3248 | 3075 | 322 C | 549 C | 397 C | 391 C | 150 | 16066 | 15924 | 17006 | 16707 | 17000 |
| | | C | 7460 | 7794 | 8276 | 8591 | 8645 | 807 C | 1351 C | 1554 | 1268 | 1075 | 206 C | 274 C | 184 C | 258 C | 100 | 8061 | 8871 | 9646 | 9601 | 9620 |
| | | NC | 5700 | 4927 | 5000 | 5259 | 5430 | 2421 C | 2401 C | 2573 | 1980 | 2000 | 116 C | 275 C | 213 C | 133 C | 50 | 8005 | 7053 | 7360 | 7106 | 7380 |
| | Sawn | All | 3178 E | 3760 E | 4275 | 3524 | 3630 | 2992 C | 3165 C | 3214 | 3129 | 2900 | 80 C | 128 C | 146 C | 134 | 100 | 6090 | 6797 | 7343 | 6519 | 6430 |
| | | C | 2437 E | 2800 E | 3220 | 2681 | 2710 | 1791 C | 2041 C | 2103 | 2095 | 2000 | 40 C | 68 C | 100 C | 94 | 50 | 4188 | 4773 | 5223 | 4682 | 4660 |
| | | NC | 741 E | 960 E | 1055 | 843 | 920 | 1201 C | 1124 C | 1111 | 1034 | 900 | 40 C | 60 C | 46 C | 40 | 50 | 1902 | 2024 | 2120 | 1837 | 1770 |
| | Ven | All | 186 | 75 E | 70 | 60 | 55 | 88 C | 107 C | 122 C | 116 C | 120 | 30 C | 36 C | 46 C | 42 | 40 | 244 | 146 | 146 | 134 | 135 |
| | | C | 36 I | 15 I | 15 I | 10 I | 8 I | 20 C | 23 C | 29 C | 31 C | 30 I | 5 C | 6 C | 9 C | 12 I | 10 I | 51 | 32 | 35 | 29 | 28 |
| | | NC | 150 I | 60 I | 55 I | 50 I | 47 I | 68 C | 84 C | 93 C | 86 C | 90 I | 25 C | 30 C | 37 C | 30 C | 30 I | 193 | 114 | 111 | 106 | 107 |
| | Ply | All | 382 | 380 E | 380 | 360 | 355 | 59 C | 111 E | 102 E | 121 E | 110 | 220 C | 152 E | 139 E | 82 | 85 | 221 | 339 | 343 | 399 | 380 |
| | | C | 100 I | 100 I | 100 I | 90 I | 85 I | 20 C | 44 E | 23 E | 36 E | 15 I | 83 C | 66 E | 63 E | 37 I | 35 I | 37 | 78 | 60 | 89 | 65 |
| | | NC | 282 I | 280 I | 280 I | 270 I | 270 I | 39 C | 66 E | 79 E | 85 E | 95 I | 137 E | 86 E | 76 E | 45 I | 50 I | 184 | 260 | 283 | 310 | 315 |

## Table 1-1-a. Production, Trade and Consumption of All Timber by ITTO Consumers (1000 $m^3$)

| | | | Production | | | | | Imports | | | | | Exports | | | | | Domestic Consumption | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Country | Product | Species | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 |
| Sweden | Logs | All | 52800 | 57400 | 57300 | 60700 | 63400 | 10280 | 11782 | 9505 | 9117 | 8070 | 1315 | 1431 | 1303 | 1751 | 1554 | 61765 | 67751 | 65502 | 68066 | 69916 |
| | | C | 49620 | 54060 | 53890 | 56850 | 59600 | 6083 | 7149 | 5647 | 5160 | 4300 | 1295 | 1397 | 1273 | 1723 | 1525 | 54408 | 59812 | 58264 | 60287 | 62375 |
| | | NC | 3180 | 3340 | 3410 | 3850 | 3800 | 4197 | 4633 | 3858 | 3957 | 3770 | 20 | 34 | 30 | 28 | 29 | 7357 | 7939 | 7238 | 7779 | 7541 |
| | Sawn | All | 14858 | 16176 | 15988 | 16760 | 17160 | 232 | 348 | 299 | 439 | 430 | 11082 | 11048 | 10993 | 11476 | 11020 | 4008 | 5476 | 5294 | 5723 | 6570 |
| | | C | 14608 | 15970 | 15830 | 16600 | 17000 | 138 | 188 | 145 | 328 | 350 | 11060 | 11022 | 10967 | 11454 | 11000 | 3686 | 5136 | 5008 | 5474 | 6350 |
| | | NC | 250 | 206 | 158 | 160 | 160 | 94 | 160 | 154 | 111 | 80 | 22 | 26 | 26 | 22 | 20 | 322 | 340 | 286 | 249 | 220 |
| | Ven | All | 17 | 17 | 17 | 29 | 25 | 35 | 33 | 29 | 28 | 25 | 15 | 15 | 13 | 18 | 15 | 37 | 35 | 33 | 39 | 35 |
| | | C | 7 | 7 | 7 | 9 [I] | 7 [I] | 13 | 16 | 13 | 12 | 10 [I] | 11 | 10 | 10 | 13 | 10 [I] | 10 | 13 | 10 | 8 | 7 |
| | | NC | 10 | 10 | 10 | 20 [I] | 18 [I] | 21 | 17 | 16 | 16 | 15 [I] | 4 | 5 | 3 | 5 | 5 [I] | 27 | 22 | 23 | 31 | 28 |
| | Ply | All | 105 | 110 | 106 | 87 | 90 | 152 | 178 | 157 | 152 | 150 | 64 | 63 | 55 | 48 | 50 | 193 | 225 | 208 | 191 | 190 |
| | | C | 105 | 110 | 106 | 87 | 90 [I] | 76 | 89 [E] | 82 | 91 | 90 [I] | 52 | 50 [E] | 44 [E] | 38 [E] | 40 [I] | 129 | 149 | 144 | 140 | 140 |
| | | NC | 0 | 0 | 0 | 0 | 0 [I] | 76 | 89 [E] | 75 | 61 | 60 [I] | 13 | 13 [E] | 11 [E] | 10 [E] | 10 [I] | 64 | 76 | 64 | 51 | 50 |
| U.K. | Logs | All | 7248 | 7247 | 7325 | 7142 | 7250 | 314 | 289 | 353 | 487 | 440 | 152 | 129 | 104 | 90 | 90 [I] | 7410 | 7408 | 7574 | 7539 | 7600 |
| | | C | 6778 | 6791 | 6896 | 6731 | 6830 | 166 | 188 | 256 | 366 | 350 | 12 | 35 | 14 | 32 | 30 [I] | 6932 | 6944 | 7139 | 7066 | 7150 |
| | | NC | 470 | 456 | 429 | 411 | 420 | 148 | 101 | 97 | 121 | 90 | 140 | 94 | 90 | 58 | 60 [I] | 478 | 463 | 435 | 474 | 450 |
| | Sawn | All | 2537 | 2482 | 2443 | 2449 | 2465 | 7108 | 7963 | 7920 | 8263 | 8300 | 147 | 195 | 214 | 294 | 260 | 9498 | 10250 | 10149 | 10418 | 10505 |
| | | C | 2416 | 2380 | 2350 | 2368 | 2375 | 6604 | 7308 | 7221 | 7585 | 7600 | 135 | 185 | 202 | 283 | 250 | 8885 | 9503 | 9369 | 9670 | 9725 |
| | | NC | 121 | 102 | 93 | 81 | 90 | 504 | 655 | 699 | 678 | 700 | 12 | 10 | 12 | 11 | 10 | 613 | 747 | 780 | 748 | 780 |
| | Ven | All | 0 | 0 | 0 | 0 | 0 | 40 | 38 | 34 | 34 | 30 | 18 | 17 | 6 | 6 | 5 | 22 | 21 | 28 | 28 | 25 |
| | | C | 0 | 0 | 0 | 0 | 0 [I] | 16 | 16 | 16 | 15 | 10 [I] | 5 | 4 | 1 | 2 | 1 [I] | 11 | 11 | 14 | 13 | 9 |
| | | NC | 0 | 0 | 0 | 0 | 0 [I] | 24 | 22 | 19 | 19 | 20 [I] | 13 [E] | 13 | 5 | 4 | 4 [I] | 11 | 9 | 14 | 15 | 16 |
| | Ply | All | 5 | 5 | 0 | 0 | 0 | 971 | 1041 | 1145 | 1139 | 1140 | 27 | 34 | 50 | 57 | 50 | 949 | 1012 | 1095 | 1082 | 1090 |
| | | C | 2 | 2 | 0 | 0 | 0 | 319 [I] | 451 | 454 | 470 | 470 [I] | 19 | 19 | 26 | 39 | 35 [I] | 302 | 434 | 428 | 432 | 435 |
| | | NC | 3 | 3 | 0 | 0 | 0 | 652 [I] | 590 | 691 | 669 | 670 [I] | 8 | 15 | 24 | 19 | 15 [I] | 647 | 578 | 667 | 650 | 655 |
| Japan | Logs | All | 18737 | 17987 | 15774 | 15092 | 14000 [I] | 16551 | 15949 | 13910 | 12661 | 13628 | 2 | 3 | 2 | 2 | 7 | 35286 | 33933 | 29682 | 27751 | 27621 |
| | | C | 15026 | 14520 | 12846 | 12420 | 11500 [I] | 12528 | 12241 | 11293 | 10265 | 11194 | 2 | 3 | 2 | 2 | 6 | 27552 | 26758 | 24137 | 22683 | 22688 |
| | | NC | 3711 | 3467 | 2928 | 2672 | 2500 [I] | 4023 | 3708 | 2617 | 2396 | 2434 | 0 [R] | 0 [R] | 0 [R] | 0 [R] | 1 | 7734 | 7175 | 5545 | 5068 | 4933 |
| | Sawn | All | 17952 | 17094 | 15485 | 14402 | 13774 | 9434 | 9951 | 8980 | 8584 | 9724 | 6 | 7 | 10 | 22 | 49 | 27380 | 27038 | 24455 | 22964 | 23449 |
| | | C | 17270 | 16479 | 14974 | 13970 | 13361 | 8372 | 8806 | 8027 | 7722 | 8704 | 2 | 3 | 4 | 3 | 6 | 25640 | 25282 | 22997 | 21689 | 22059 |
| | | NC | 682 | 615 | 511 | 432 | 413 | 1062 | 1145 | 953 | 862 | 1020 | 4 | 4 | 6 | 19 | 43 | 1740 | 1756 | 1458 | 1275 | 1390 |
| | Ven | All | 130 [I] | 130 [I] | 80 [I] | 60 [I] | 70 [I] | 112 | 117 | 110 | 100 | 118 | 10 | 7 | 7 | 7 | 5 | 232 | 240 | 183 | 153 | 183 |
| | | C | 20 [I] | 20 [I] | 10 [I] | 10 [I] | 20 [I] | 27 | 29 | 17 | 14 | 19 | 0 [R] | 0 | 0 [R] | 0 [R] | 0 | 47 | 49 | 27 | 24 | 39 |
| | | NC | 110 [I] | 110 [I] | 70 [I] | 50 [I] | 50 [I] | 85 | 88 | 93 | 86 | 99 | 10 | 7 | 7 | 7 | 5 | 185 | 191 | 156 | 129 | 144 |
| | Ply | All | 3261 | 3218 | 2771 | 2735 | 2883 | 4888 | 5033 | 5021 | 5119 | 4199 | 9 | 7 | 12 | 13 | 15 | 8140 | 8244 | 7780 | 7841 | 7067 |
| | | C | 1355 | 1520 | 1598 | 1603 | 1723 [I] | 424 | 404 | 367 | 316 | 309 | 2 | 3 | 9 | 3 | 1 | 1777 | 1921 | 1956 | 1916 | 2031 |
| | | NC | 1906 | 1698 | 1173 | 1132 | 1160 [I] | 4464 | 4629 | 4654 | 4803 | 3890 | 7 | 4 | 3 | 10 | 14 | 6363 | 6323 | 5824 | 5925 | 5036 |

## Table 1-1-a. Production, Trade and Consumption of All Timber by ITTO Consumers (1000 $m^3$)

| Country | Product | Species | Production | | | | | Imports | | | | | Exports | | | | | Domestic Consumption | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 |
| Nepal | Logs | All | 1318 I | 1318 I | 1318 I | 1318 I | 1318 I | 0 | 0 | 0 I | 0 I | 0 I | 0 | 0 | 0 I | 0 I | 0 I | 1318 | 1318 | 1318 | 1318 | 1318 |
| | | C | 58 I | 58 I | 58 I | 58 I | 58 I | 0 | 0 | 0 I | 0 I | 0 I | 0 | 0 | 0 I | 0 I | 0 I | 58 | 58 | 58 | 58 | 58 |
| | | NC | 1260 I | 1260 I | 1260 I | 1260 I | 1260 I | 0 | 0 | 0 I | 0 I | 0 I | 0 | 0 | 0 I | 0 I | 0 I | 1260 | 1260 | 1260 | 1260 | 1260 |
| | Sawn | All | 630 I | 630 I | 630 I | 630 I | 630 I | 0 CR | 0 CR | 0 I | 0 I | 0 I | 0 | 0 | 0 I | 0 I | 0 I | 630 | 630 | 630 | 630 | 630 |
| | | C | 20 I | 20 I | 20 I | 20 I | 20 I | 0 | 0 R | 0 I | 0 I | 0 I | 0 | 0 | 0 I | 0 I | 0 I | 20 | 20 | 20 | 20 | 20 |
| | | NC | 610 I | 610 I | 610 I | 610 I | 610 I | 0 CR | 0 CR | 0 I | 0 I | 0 I | 0 | 0 | 0 I | 0 I | 0 I | 610 | 610 | 610 | 610 | 610 |
| | Ven | All | 0 I | 0 I | 0 I | 0 I | 0 I | 0 CR | 0 CR | 0 I | 1 I | 0 I | 0 CR | 0 | 0 I | 1 | 0 I | 0 | 0 | 0 | 0 | 0 |
| | | C | 0 I | 0 I | 0 I | 0 I | 0 I | 0 CR | 0 C | 0 I | 0 I | 0 I | 0 CR | 0 | 0 I | 0 I | 0 I | 0 | 0 | 0 | 0 | 0 |
| | | NC | 0 I | 0 I | 0 I | 0 I | 0 I | 0 CR | 0 CR | 0 I | 1 I | 0 I | 0 CR | 0 | 0 I | 1 I | 0 I | 0 | 0 | 0 | 0 | 0 |
| | Ply | All | 5 I | 5 I | 5 I | 5 I | 5 I | 0 CR | 0 C | 0 I | 0 R | 0 I | 0 CR | 0 | 0 I | 0 | 0 I | 5 | 5 | 5 | 5 | 5 |
| | | C | 5 I | 5 I | 5 I | 5 I | 5 I | 0 CR | 0 C | 0 I | 0 R | 0 I | 0 CR | 0 | 0 I | 0 I | 0 I | 5 | 5 | 5 | 5 | 5 |
| | | NC | 0 I | 0 I | 0 I | 0 I | 0 I | 0 CR | 0 C | 0 I | 0 R | 0 I | 0 CR | 0 | 0 I | 0 I | 0 I | 0 | 0 | 0 | 0 | 0 |
| New Zealand | Logs | All | 17686 | 19279 | 20673 | 22613 | 24000 | 3 | 5 | 6 | 5 | 5 | 5804 | 5908 | 7283 | 7859 | 8500 | 11885 | 13376 | 13396 | 14760 | 15505 |
| | | C | 17480 | 19005 | 20414 | 22366 | 23738 | 2 | 0 R | 0 R | 0 | 0 R | 5802 | 5902 | 7283 | 7854 | 8495 | 11680 | 13104 | 13131 | 14512 | 15243 |
| | | NC | 206 | 274 | 259 | 247 | 262 | 1 | 5 | 6 | 5 | 5 | 2 | 7 | 0 R | 5 | 5 | 205 | 273 | 265 | 248 | 262 |
| | Sawn | All | 3653 | 3910 | 3821 | 4352 | 4957 | 29 | 36 | 32 | 36 | 36 | 1375 | 1522 | 1614 | 1834 | 1750 | 2307 | 2425 | 2239 | 2554 | 3243 |
| | | C | 3643 | 3897 | 3807 | 4334 | 4939 | 16 | 20 | 11 | 17 | 17 | 1373 | 1520 | 1612 | 1833 | 1749 | 2285 | 2397 | 2206 | 2518 | 3207 |
| | | NC | 10 | 13 | 14 | 18 | 18 | 13 | 17 | 21 | 19 | 19 | 1 | 2 | 2 | 1 | 1 | 22 | 28 | 33 | 36 | 36 |
| | Ven | All | 361 | 399 | 447 | 555 I | 687 I | 2 | 1 | 1 | 1 | 1 | 17 | 20 | 36 | 77 | 120 | 345 | 380 | 412 | 479 | 568 |
| | | C | 361 | 399 | 447 | 554 | 686 | 1 | 0 R | 0 R | 0 R | 0 R | 17 | 20 | 36 | 76 | 120 | 345 | 379 | 411 | 477 | 566 |
| | | NC | 0 | 0 | 0 | 1 I | 1 I | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 R | 0 R | 0 R | 0 | 1 | 1 | 2 | 2 |
| | Ply | All | 230 | 248 | 259 | 304 | 356 | 6 | 9 | 8 | 12 | 12 | 114 | 98 | 101 | 103 | 103 | 122 | 159 | 167 | 213 | 265 |
| | | C | 230 | 248 | 259 | 304 | 356 | 3 | 0 R | 4 | 0 R | 0 R | 114 | 96 | 100 | 101 | 101 | 118 | 152 | 163 | 203 | 255 |
| | | NC | 0 | 0 | 0 | 0 | 0 | 3 | 9 | 4 | 12 | 12 | 0 R | 2 | 0 R | 2 | 2 | 3 | 7 | 4 | 10 | 10 |
| Norway | Logs | All | 7706 | 7478 | 7884 | 7478 | 7091 | 3037 | 3315 | 2772 | 2734 | 2608 | 583 | 514 | 476 | 551 | 805 | 10160 | 10279 | 10180 | 9661 | 8894 |
| | | C | 7606 | 7417 | 7831 | 7409 | 7026 | 2443 | 2684 | 2336 | 2170 | 2000 | 571 | 510 | 467 | 546 | 800 | 9478 | 9591 | 9700 | 9033 | 8226 |
| | | NC | 100 | 61 | 53 | 69 | 65 | 594 | 631 | 436 | 564 | 608 | 12 | 4 | 9 | 5 | 5 | 682 | 688 | 480 | 628 | 668 |
| | Sawn | All | 2336 | 2280 | 2253 | 2238 | 2168 | 839 | 945 | 985 | 931 | 916 | 763 | 656 | 581 | 619 | 0 | 2412 | 2569 | 2657 | 2550 | 3084 |
| | | C | 2336 | 2267 | 2240 | 2220 | 2150 | 775 | 879 | 908 | 865 | 850 | 755 | 653 | 577 | 614 | 0 | 2356 | 2493 | 2571 | 2471 | 3000 |
| | | NC | 0 | 13 | 13 | 18 | 18 | 64 | 66 | 77 | 66 | 66 | 8 | 3 | 4 | 5 E | 0 | 56 | 76 | 86 | 79 | 84 |
| | Ven | All | 0 I | 0 | 0 I | 0 I | 0 | 8 | 7 | 25 | 23 | 23 | 0 R | 0 R | 0 R | 1 I | 0 | 8 | 7 | 25 | 22 | 23 |
| | | C | 0 I | 0 | 0 I | 0 I | 0 I | 2 | 2 | 2 | 8 I | 8 I | 0 R | 0 | 0 R | 0 R | 0 I | 2 | 2 | 2 | 8 | 8 |
| | | NC | 0 I | 0 | 0 I | 0 I | 0 I | 6 | 5 | 23 | 15 I | 15 I | 0 R | 0 R | 0 I | 1 I | 0 I | 6 | 5 | 23 | 14 | 15 |
| | Ply | All | 28 | 28 E | 28 E | 28 E | 28 I | 45 | 47 | 50 | 98 | 98 | 1 | 1 | 4 | 4 | 5 | 72 | 74 | 74 | 122 | 121 |
| | | C | 24 I | 28 E | 28 E | 28 E | 28 I | 23 | 24 | 22 | 38 I | 38 I | 0 R | 0 | 0 R | 0 R | 0 I | 47 | 52 | 50 | 66 | 66 |
| | | NC | 4 I | 0 E | 0 E | 0 E | 0 I | 22 | 23 | 28 | 60 I | 60 I | 1 | 1 | 4 | 4 | 5 I | 25 | 22 | 24 | 56 | 55 |

## Table 1-1-a. Production, Trade and Consumption of All Timber by ITTO Consumers (1000 $m^3$)

| Country | Product | Species | Production | | | | | Imports | | | | | Exports | | | | | Domestic Consumption | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 |
| Rep. of Korea | Logs | All | 1694 | 1592 | 1533 | 1605 | 1680 | 6623 | 6734 | 7118 | 7657 | 5915 | 1 C | 1 | 0 R | 0 R | 0 R | 8316 | 8325 | 8651 | 9262 | 7595 |
| | | C | 1152 | 745 | 1091 | 1145 I | 1189 | 5516 | 5763 | 6347 | 6993 | 5354 | 0 CR | 0 R | 0 R | 0 R | 0 R | 6668 | 6508 | 7438 | 8138 | 6543 |
| | | NC | 542 | 847 | 442 | 460 I | 491 | 1107 | 971 | 771 | 664 | 561 | 1 C | 0 R | 0 R | 0 R | 0 R | 1648 | 1818 | 1213 | 1124 | 1052 |
| | Sawn | All | 4300 | 4544 I | 4420 * | 5194 * | 5301 * | 697 | 729 | 761 | 848 | 610 | 7 | 17 | 20 | 14 | 14 | 4990 | 5256 | 5161 | 6028 | 5897 |
| | | C | 3648 | 4044 * | 4330 * | 5045 * | 5160 * | 253 | 235 | 247 | 335 | 241 | 6 | 11 | 11 | 9 | 9 | 3895 | 4268 | 4566 | 5371 | 5392 |
| | | NC | 652 | 500 I | 90 * | 149 * | 141 * | 444 | 494 | 514 | 513 | 369 | 1 | 6 | 9 | 5 | 5 | 1095 | 988 | 595 | 657 | 505 |
| | Ven | All | 700 I | 722 | 651 | 664 | 691 | 121 | 246 | 335 | 390 | 350 | 0 C | 5 | 5 | 0 | 1 | 821 | 963 | 981 | 1054 | 1040 |
| | | C | 380 I | 450 | 431 | 514 | 560 | 15 | 15 | 12 | 7 | 2 | 0 CR | 3 | 2 | 0 R | 0 R | 395 | 462 | 441 | 521 | 562 |
| | | NC | 320 I | 272 | 220 | 150 | 131 | 106 | 231 | 323 | 383 | 348 | 0 CR | 2 | 3 | 0 R | 0 R | 426 | 501 | 540 | 533 | 479 |
| | Ply | All | 774 | 817 | 801 | 886 | 896 | 750 | 980 | 1095 | 1339 | 1400 | 130 | 93 | 70 | 45 | 41 | 1394 | 1704 | 1826 | 2180 | 2255 |
| | | C | 400 I | 438 | 450 | 532 | 502 | 30 I | 37 | 41 | 47 | 29 | 26 C | 11 | 13 | 10 | 7 | 404 | 464 | 478 | 569 | 524 |
| | | NC | 374 I | 379 | 351 | 354 | 394 | 720 I | 943 | 1054 | 1292 | 1371 | 104 C | 82 | 57 | 35 | 34 | 990 | 1240 | 1348 | 1611 | 1731 |
| Switzerland | Logs | All | 3756 | 7612 | 4540 | 3579 | 3800 | 373 | 298 | 246 | 348 | 275 | 1220 | 3754 | 3150 | 1970 | 1735 | 2908 | 4156 | 1636 | 1957 | 2340 |
| | | C | 3080 | 6793 | 3958 | 3106 | 3225 | 160 | 116 | 136 | 226 | 170 | 916 | 3407 | 2906 | 1769 | 1530 | 2324 | 3502 | 1188 | 1563 | 1865 |
| | | NC | 676 | 819 | 582 | 473 | 575 | 212 | 183 | 110 | 122 | 105 | 304 | 348 | 244 | 202 | 205 | 584 | 654 | 448 | 393 | 475 |
| | Sawn | All | 1525 | 1625 | 1400 | 1420 | 1420 | 448 | 453 | 465 | 429 | 420 | 172 | 193 | 162 | 213 | 200 | 1800 | 1886 | 1703 | 1636 | 1640 |
| | | C | 1300 | 1425 | 1250 | 1305 | 1300 | 363 | 368 | 398 | 352 | 350 | 112 | 134 | 121 | 163 | 150 | 1551 | 1659 | 1527 | 1494 | 1500 |
| | | NC | 225 | 200 | 150 | 115 | 120 | 85 | 86 | 67 | 77 | 70 | 60 | 59 | 41 | 50 | 50 | 249 | 227 | 176 | 142 | 140 |
| | Ven | All | 30 | 30 | 30 | 15 | 15 | 4 | 5 | 5 | 5 | 5 | 11 | 13 | 10 | 9 | 5 | 23 | 22 | 25 | 11 | 15 |
| | | C | 0 | 0 | 20 | 10 I | 10 I | 0 | 1 | 1 | 1 | 1 I | 0 | 1 | 1 | 1 I | 1 I | 0 | 0 | 0 | 10 | 10 |
| | | NC | 30 | 30 | 10 | 5 I | 5 I | 4 | 4 | 4 | 4 | 4 I | 11 | 12 | 9 | 8 I | 4 I | 23 | 22 | 5 | 1 | 5 |
| | Ply | All | 3 | 3 | 19 | 16 | 15 | 150 | 153 | 143 | 128 | 130 | 7 | 4 | 4 | 4 | 5 | 146 | 151 | 157 | 140 | 140 |
| | | C | 0 | 0 | 13 | 12 | 12 I | 99 | 103 | 95 | 85 | 90 I | 1 | 1 | 1 | 1 I | 1 I | 98 | 102 | 108 | 96 | 101 |
| | | NC | 3 | 3 | 6 | 4 | 3 I | 51 | 50 | 47 | 44 | 40 I | 6 | 4 | 4 | 3 I | 4 I | 48 | 49 | 50 | 45 | 39 |
| U.S.A. | Logs | All | 425659 | 427654 | 398225 | 404735 | 408357 | 1422 E | 7038 | 6201 | 6618 | 7482 | 11739 | 11952 | 11412 | 11001 | 10680 | 415342 | 422740 | 393013 | 400352 | 405159 |
| | | C | 276687 | 278882 | 269170 | 275791 | 280422 | 1152 E | 6722 | 5869 | 5365 | 7212 | 9718 | 9358 | 8702 | 7905 | 7821 | 268121 | 276246 | 266336 | 273251 | 279813 |
| | | NC | 148972 | 148772 | 129055 | 128944 | 127935 | 270 | 316 | 332 | 1253 | 270 | 2021 | 2594 | 2710 | 3097 | 2859 | 147221 | 146494 | 126677 | 127101 | 125346 |
| | Sawn | All | 92615 E | 91076 | 86015 | 88414 | 88120 | 33770 E | 34391 E | 35226 E | 37416 E | 37600 | 5113 E | 5129 E | 4530 E | 4520 E | 4543 | 121272 | 120338 | 116712 | 121310 | 121177 |
| | | C | 62343 E | 61144 | 58781 | 61914 | 62011 | 32274 E | 32709 E | 33801 E | 35674 E | 35850 | 2323 E | 2179 E | 1647 E | 1643 E | 1742 | 92294 | 91674 | 90935 | 95945 | 96119 |
| | | NC | 30272 | 29932 | 27234 | 26500 | 26109 | 1496 | 1682 | 1425 | 1743 | 1750 | 2790 | 2950 | 2883 | 2878 | 2801 | 28978 | 28664 | 25776 | 25365 | 25058 |
| | Ven | All | 175 I | 100 E | 110 I | 110 I | 110 I | 365 | 403 | 396 A | 438 A | 456 | 311 | 327 | 305 A | 345 A | 338 | 230 | 176 | 200 | 203 | 228 |
| | | C | 5 I | 0 E | 0 I | 0 I | 0 I | 147 | 173 | 195 A | 222 A | 230 I | 29 | 31 | 21 A | 24 A | 20 I | 123 | 142 | 174 | 198 | 210 |
| | | NC | 170 I | 100 E | 110 I | 110 I | 110 I | 218 | 230 | 201 A | 216 A | 226 I | 282 | 296 | 285 A | 321 A | 318 I | 107 | 34 | 26 | 5 | 18 |
| | Ply | All | 17551 | 17271 | 15417 | 15307 | 15501 | 2494 | 2385 | 3009 | 3423 | 3588 | 712 | 673 | 530 | 498 | 477 | 19333 | 18983 | 17896 | 18232 | 18612 |
| | | C | 15767 | 15465 | 13382 | 13300 I | 13459 I | 530 | 487 | 751 | 1023 I | 1028 I | 565 | 554 | 390 | 350 I | 340 I | 15732 | 15398 | 13743 | 13973 | 14147 |
| | | NC | 1784 | 1806 | 2035 | 2007 I | 2042 I | 1964 | 1898 | 2258 | 2400 I | 2560 I | 147 | 119 | 140 | 148 I | 137 I | 3601 | 3585 | 4153 | 4259 | 4465 |

## Table 1-1-a. Production, Trade and Consumption of All Timber by ITTO Consumers (1000 $m^3$)

| | | | Production | | | | | Imports | | | | | Exports | | | | | Domestic Consumption | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Country | Product | Species | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 |
| **Consumers Total** | **Logs** | **All** | **961147** | **1005505** | **930977** | **954476** | **966465** | **94495** | **108866** | **108338** | **112159** | **113607** | **36162** | **43946** | **43572** | **42523** | **41112** | **1019481** | **1070425** | **995743** | **1024112** | **1038960** |
| | | **C** | **701784** | **740024** | **694112** | **718764** | **731805** | **55495** | **67889** | **69387** | **73289** | **72846** | **28499** | **34220** | **34524** | **33252** | **31855** | **728780** | **773692** | **728976** | **758801** | **772797** |
| | | **NC** | **259363** | **265482** | **236865** | **235712** | **234659** | **39000** | **40977** | **38951** | **38870** | **40760** | **7663** | **9726** | **9048** | **9270** | **9257** | **290700** | **296733** | **266767** | **265311** | **266163** |
| | **Sawn** | **All** | **268565** | **261433** | **257478** | **266381** | **267116** | **97338** | **99696** | **96309** | **99334** | **102686** | **75718** | **78490** | **77151** | **79956** | **78247** | **290185** | **282639** | **276636** | **285759** | **291555** |
| | | **C** | **219954** | **216908** | **216187** | **226140** | **226637** | **79982** | **81768** | **79515** | **82110** | **85141** | **68738** | **71211** | **70417** | **73082** | **71381** | **231198** | **227465** | **225285** | **235168** | **240397** |
| | | **NC** | **48611** | **44526** | **41291** | **40241** | **40479** | **17356** | **17928** | **16794** | **17224** | **17545** | **6980** | **7279** | **6734** | **6874** | **6866** | **58987** | **55174** | **51351** | **50592** | **51158** |
| | **Ven** | **All** | **3649** | **3809** | **3742** | **4225** | **4377** | **2867** | **2879** | **2689** | **2827** | **2855** | **1621** | **1761** | **1773** | **1931** | **1902** | **4895** | **4927** | **4659** | **5121** | **5330** |
| | | **C** | **1564** | **1648** | **1787** | **2134** | **2453** | **529** | **474** | **493** | **574** | **604** | **560** | **632** | **686** | **758** | **773** | **1532** | **1490** | **1594** | **1950** | **2284** |
| | | **NC** | **2086** | **2161** | **1955** | **2091** | **1926** | **2338** | **2405** | **2196** | **2253** | **2251** | **1061** | **1130** | **1086** | **1173** | **1129** | **3362** | **3437** | **3065** | **3171** | **3048** |
| | **Ply** | **All** | **35485** | **38179** | **34730** | **36978** | **38108** | **15859** | **16163** | **16782** | **17526** | **17228** | **4991** | **5181** | **5408** | **6157** | **6463** | **46353** | **49161** | **46104** | **48348** | **48873** |
| | | **C** | **25662** | **26781** | **24395** | **25943** | **26513** | **3548** | **3788** | **3674** | **4011** | **4092** | **2760** | **2895** | **2985** | **3323** | **3407** | **26450** | **27673** | **25084** | **26631** | **27198** |
| | | **NC** | **9823** | **11398** | **10335** | **11034** | **11595** | **12311** | **12456** | **13108** | **13516** | **13136** | **2231** | **2286** | **2423** | **2834** | **3056** | **19903** | **21568** | **21020** | **21716** | **21675** |
| **ITTO Total** | **Logs** | **All** | **1179420** | **1231376** | **1153637** | **1172663** | **1181356** | **98480** | **113195** | **113099** | **115572** | **116804** | **51192** | **61500** | **60533** | **56272** | **55163** | **1226708** | **1283071** | **1206203** | **1231963** | **1242997** |
| | | **C** | **747595** | **786323** | **740428** | **765318** | **778229** | **55697** | **68095** | **69533** | **73425** | **72970** | **28822** | **34774** | **35027** | **33695** | **32296** | **774471** | **819644** | **774934** | **805048** | **818903** |
| | | **NC** | **431824** | **445052** | **413208** | **407345** | **403127** | **42783** | **45100** | **43566** | **42147** | **43834** | **22370** | **26726** | **25505** | **22577** | **22867** | **452237** | **463427** | **431269** | **426915** | **424094** |
| | **Sawn** | **All** | **319434** | **313417** | **298683** | **308130** | **309163** | **99457** | **102166** | **99065** | **102932** | **106638** | **83014** | **87531** | **87178** | **90540** | **88733** | **335877** | **328052** | **310571** | **320522** | **327068** |
| | | **C** | **228864** | **226636** | **223227** | **233671** | **234468** | **80255** | **82206** | **79931** | **82595** | **85679** | **69959** | **72522** | **71871** | **74963** | **73245** | **239160** | **236321** | **231286** | **241303** | **246902** |
| | | **NC** | **90570** | **86781** | **75457** | **74459** | **74695** | **19202** | **19960** | **19134** | **20337** | **20960** | **13055** | **15010** | **15306** | **15576** | **15489** | **96717** | **91732** | **79285** | **79220** | **80166** |
| | **Ven** | **All** | **6333** | **6714** | **6330** | **6704** | **6947** | **3122** | **3133** | **2906** | **3114** | **3055** | **3229** | **3258** | **2986** | **3319** | **3265** | **6226** | **6589** | **6250** | **6499** | **6736** |
| | | **C** | **2011** | **1965** | **2105** | **2451** | **2770** | **543** | **496** | **505** | **595** | **620** | **604** | **662** | **708** | **863** | **875** | **1949** | **1799** | **1902** | **2182** | **2514** |
| | | **NC** | **4323** | **4750** | **4225** | **4253** | **4179** | **2579** | **2636** | **2401** | **2519** | **2435** | **2625** | **2596** | **2278** | **2456** | **2390** | **4276** | **4789** | **4349** | **4317** | **4224** |
| | **Ply** | **All** | **50715** | **55702** | **50234** | **52337** | **53318** | **16152** | **16408** | **16979** | **17742** | **17407** | **16224** | **17851** | **16784** | **17557** | **17947** | **50643** | **54259** | **50429** | **52522** | **52779** |
| | | **C** | **27032** | **28523** | **25738** | **27788** | **28358** | **3691** | **3892** | **3750** | **4107** | **4163** | **3413** | **3431** | **3547** | **4414** | **4487** | **27310** | **28984** | **25941** | **27481** | **28034** |
| | | **NC** | **23683** | **27179** | **24496** | **24548** | **24960** | **12462** | **12596** | **13229** | **13635** | **13244** | **12811** | **14421** | **13237** | **13143** | **13460** | **23334** | **25355** | **24488** | **25040** | **24745** |

## Table 1-1-b. Production, Trade and Consumption of Tropical Timber by ITTO Consumers (1000 $m^3$)

| | | Production | | | | | Imports | | | | | Exports | | | | | Domestic Consumption | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Country | Product | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 |
| Australia | Logs | 50 I | 100 I | 100 I | 100 I | 100 I | 0 | 0 | 0 | 1 | 1 I | 0 | 0 | 14 | 17 | 17 I | 50 | 100 | 86 | 84 | 84 |
| | Sawn | 27 I | 25 I | 0 | 0 | 0 I | 89 | 101 | 25 | 12 | 12 I | 0 | 0 | 0 R | 1 | 1 I | 116 | 126 | 24 | 11 | 11 |
| | Ven | 0 | 0 I | 0 I | 0 I | 0 I | 0 R | 0 R | 1 I | 1 I | 1 I | 0 | 0 | 0 R | 0 R | 0 I | 0 | 0 | 1 | 0 | 0 |
| | Ply | 0 | 0 I | 0 | 0 | 0 I | 19 | 14 | 12 | 23 | 23 I | 0 | 0 | 2 | 1 | 1 I | 19 | 14 | 10 | 23 | 23 |
| Canada | Logs | 0 | 0 | 0 I | 0 I | 0 I | 2 | 1 | 4 | 4 | 1 | 0 R | 0 | 2 | 4 | 1 | 1 | 1 | 2 | 0 | 0 |
| | Sawn | 0 I | 0 I | 1 E | 1 E | 1 E | 30 I | 9 | 33 | 36 | 35 | 0 R | 0 R | 2 | 6 | 5 | 30 | 9 | 32 | 31 | 31 |
| | Ven | 0 E | 0 E | 0 E | 0 E | 0 E | 16 | 14 E | 19 | 18 | 19 | 1 | 1 | 5 | 4 | 4 | 14 | 13 | 14 | 14 | 15 |
| | Ply | 0 E | 0 E | 0 E | 0 E | 0 I | 80 | 62 | 277 | 155 | 150 | 11 | 26 | 33 | 40 | 40 | 69 | 35 | 244 | 115 | 110 |
| China | Logs | 200 I | 250 I | 250 I | 825 * | 814 * | 4796 | 6180 | 6952 | 6951 | 7561 I | 0 R | 14 | 12 | 8 | 5 I | 4996 | 6417 | 7191 | 7768 | 8370 |
| | Sawn | 800 I | 950 I | 950 I | 170 * | 190 * | 1465 | 2571 | 2907 | 2865 | 4092 I | 2 | 398 | 313 | 69 | 10 * | 2263 | 3123 | 3543 | 2966 | 4272 |
| | Ven | 50 I | 50 I | 50 I | 50 I | 50 I | 615 * | 596 * | 291 W | 161 | 124 I | 2 C | 1 | 12 * | 32 | 70 I | 663 | 645 | 329 | 180 | 104 |
| | Ply | 2100 I | 2500 I | 3400 I | 3600 I | 4000 I | 953 | 905 * | 619 * | 582 | 728 I | 64 C | 129 G | 190 G | 437 | 520 I | 2989 | 3276 | 3829 | 3745 | 4208 |
| (Hong Kong | Logs | 5 I | 5 I | 5 I | 5 I | 5 I | 1160 G | 755 G | 532 G | 250 G | 250 I | 2 G | 1 G | 1 G | 0 GR | 0 I | 1163 | 760 | 536 | 254 | 255 |
| S.A.R.) | Sawn | 300 I | 200 I | 100 I | 75 I | 75 I | 1040 G | 597 G | 579 G | 698 G | 698 I | 6 G | 6 G | 4 G | 2 G | 2 I | 1334 | 791 | 675 | 771 | 771 |
| | Ven | 100 I | 100 I | 50 I | 40 I | 40 I | 66 GI | 68 GA | 95 GA | 163 GW | 163 I | 1 GA | 0 GA | 0 GA | 0 GW | 0 I | 165 | 167 | 145 | 203 | 203 |
| | Ply | 30 I | 30 I | 30 I | 10 I | 10 I | 654 GA | 407 GA | 306 GA | 246 GA | 246 I | 4 GA | 5 G | 14 GA | 14 GA | 14 I | 680 | 433 | 322 | 242 | 242 |
| (Macao S.A.R.) | Logs | 1 I | 1 I | 1 I | 1 I | 1 I | 1 C | 0 C | 0 CR | 0 I | 0 I | 0 CR | 0 CR | 0 CR | 0 I | 0 I | 2 | 1 | 1 | 1 | 1 |
| | Sawn | 0 I | 0 I | 0 I | 0 I | 0 I | 7 C | 4 C | 2 C | 2 C | 2 I | 2 C | 3 C | 2 C | 2 C | 2 I | 4 | 1 | 0 | 0 | 0 |
| | Ven | 1 I | 1 I | 1 I | 1 I | 1 I | 0 C | 0 C | 0 CR | 0 I | 0 I | 0 CR | 0 CR | 0 CR | 0 I | 0 I | 1 | 1 | 1 | 1 | 1 |
| | Ply | 0 I | 0 I | 0 I | 0 I | 0 I | 19 C | 16 C | 15 C | 14 C | 14 I | 1 C | 2 C | 5 C | 5 C | 5 I | 18 | 14 | 10 | 9 | 9 |
| (Taiwan | Logs | 3 I | 3 I | 3 I | 3 I | 3 I | 806 C | 1188 C | 895 *W | 852 *W | 852 I | 2 C | 2 C | 1 | 1 | 1 I | 807 | 1189 | 897 | 854 | 854 |
| Province of | Sawn | 40 I | 20 I | 10 I | 10 I | 10 I | 251 C | 425 C | 301 *W | 329 *W | 353 * | 9 C | 9 C | 1 | 2 | 10 * | 282 | 437 | 310 | 337 | 353 |
| China) | Ven | 40 I | 65 I | 40 I | 30 I | 30 I | 150 C | 143 C | 118 *W | 124 *W | 160 * | 1 C | 0 C | 1 | 0 R | 8 * | 189 | 207 | 158 | 154 | 182 |
| | Ply | 450 I | 600 I | 500 I | 350 I | 350 I | 603 C | 620 C | 406 *W | 483 *W | 655 * | 13 C | 21 C | 17 | 22 | 50 * | 1039 | 1199 | 889 | 812 | 955 |
| Egypt | Logs | 0 I | 0 I | 0 I | 0 I | 0 I | 3 I | 1 | 3 | 3 I | 3 I | 0 I | 1 | 0 R | 0 I | 0 I | 3 | 0 | 3 | 3 | 3 |
| | Sawn | 1 I | 0 I | 1 I | 1 I | 1 I | 3 I | 0 R | 0 R | 3 * | 4 * | 0 I | 0 | 0 R | 0 I | 0 I | 4 | 0 | 1 | 4 | 5 |
| | Ven | 0 I | 0 I | 0 I | 0 I | 0 I | 0 R | 22 | 44 | 3 I | 3 I | 0 I | 0 | 0 | 0 I | 0 I | 0 | 22 | 44 | 3 | 3 |
| | Ply | 0 I | 0 I | 0 I | 0 I | 0 I | 80 I | 98 | 156 | 156 I | 156 I | 0 I | 0 | 0 | 0 I | 0 I | 80 | 98 | 156 | 156 | 156 |
| **EU** | **Logs** | **0** | **0** | **1** | **0** | **0** | **2555** | **2170** | **2273** | **2256** | **2163** | **97** | **147** | **111** | **108** | **103** | **2458** | **2023** | **2163** | **2148** | **2060** |
| | **Sawn** | **645** | **642** | **561** | **631** | **585** | **2345** | **2621** | **2625** | **2587** | **2364** | **385** | **420** | **376** | **432** | **394** | **2605** | **2842** | **2809** | **2786** | **2555** |
| | **Ven** | **175** | **137** | **128** | **205** | **194** | **212** | **234** | **256** | **288** | **299** | **85** | **89** | **97** | **103** | **88** | **302** | **281** | **288** | **391** | **405** |
| | **Ply** | **513** | **489** | **495** | **466** | **401** | **1334** | **1304** | **1425** | **1325** | **1331** | **578** | **548** | **515** | **432** | **428** | **1269** | **1245** | **1405** | **1360** | **1304** |
| Austria | Logs | 0 | 0 | 0 | 0 | 0 I | 1 I | 2 I | 1 | 4 | 2 E | 0 RI | 0 RI | 0 R | 0 R | 0 E | 1 | 1 | 1 | 4 | 2 |
| | Sawn | 0 | 0 | 0 | 0 | 0 | 7 C | 7 C | 8 | 7 | 7 E | 1 | 1 C | 7 | 1 | 1 E | 6 | 5 | 1 | 6 | 6 |
| | Ven | 0 E | 0 E | 0 E | 0 E | 0 E | 1 | 1 C | 2 | 1 | 1 | 0 R | 0 R | 0 R | 1 | 0 | 1 | 1 | 2 | 0 | 1 |
| | Ply | 0 E | 0 E | 0 E | 0 E | 0 E | 9 | 13 C | 11 | 7 | 7 | 3 | 2 C | 1 | 4 | 4 E | 6 | 11 | 10 | 3 | 3 |

## Table 1-1-b. Production, Trade and Consumption of Tropical Timber by ITTO Consumers (1000 $m^3$)

| Country | Product | Production | | | | | Imports | | | | | Exports | | | | | Domestic Consumption | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 |
| Belgium | Logs | 0 I | 0 I | 1 I | 0 I | 0 I | 89 G | 41 G | 46 G | 29 G | 20 I | 9 G | 7 G | 9 G | 8 G | 5 | 80 | 35 | 38 | 21 | 15 |
| | Sawn | 10 I | 5 I | 10 | 6 | 6 | 331 C | 308 C | 241 C | 243 | 230 | 232 | 204 C | 166 C | 148 | 140 | 109 | 109 | 85 | 101 | 96 |
| | Ven | 20 I | 0 E | 16 | 10 | 8 | 14 E | 13 C | 9 C | 15 | 16 | 14 E | 5 C | 6 C | 5 | 5 | 20 | 7 | 19 | 20 | 19 |
| | Ply | 0 E | 0 E | 8 | 6 | 0 | 336 | 319 C | 314 C | 245 | 225 | 275 E | 252 C | 233 C | 165 | 150 | 61 | 67 | 89 | 86 | 75 |
| Denmark | Logs | 0 | 0 | 0 I | 0 I | 0 I | 9 | 6 | 7 | 27 I | 20 I | 2 | 2 | 2 | 10 | 10 I | 7 | 4 | 5 | 17 | 10 |
| | Sawn | 0 | 0 | 0 | 0 | 0 I | 42 | 43 | 66 | 150 | 81 E | 9 | 7 | 8 | 44 | 44 I | 33 | 36 | 58 | 106 | 37 |
| | Ven | 0 | 3 I | 0 | 0 | 0 I | 25 | 8 | 6 | 9 | 15 E | 1 | 1 | 2 | 2 | 2 I | 24 | 10 | 4 | 7 | 13 |
| | Ply | 1 | 0 | 1 | 0 | 0 I | 54 | 43 | 46 | 43 | 46 E | 5 | 6 | 6 | 14 | 14 I | 50 | 37 | 41 | 29 | 32 |
| Finland | Logs | 0 | 0 | 0 | 0 | 0 | 0 E | 0 R | 0 | 0 R | 0 | 0 R | 0 | 0 R | 0 R | 0 | 0 | 0 | 0 | 0 | 0 |
| | Sawn | 0 | 0 | 0 | 0 | 0 | 7 | 7 | 9 | 7 | 7 | 1 | 3 | 0 R | 1 | 1 | 6 | 4 | 9 | 6 | 6 |
| | Ven | 0 E | 0 E | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 R | 0 R | 0 R | 0 | 1 | 1 | 1 | 1 | 1 |
| | Ply | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 R | 0 R | 0 R | 0 | 1 | 1 | 1 | 1 | 1 |
| France | Logs | 0 | 0 | 0 | 0 | 0 I | 999 C | 837 | 736 | 645 | 660 | 53 C | 36 | 29 | 27 | 23 | 947 | 801 | 707 | 618 | 637 |
| | Sawn | 250 | 234 | 219 | 219 | 210 | 247 E | 386 | 396 | 330 | 370 | 13 E | 33 | 40 | 26 | 20 | 484 | 586 | 575 | 524 | 560 |
| | Ven | 0 E | 0 E | 0 | 0 | 0 | 26 | 33 | 48 | 67 | 69 | 24 | 27 | 31 | 30 | 20 | 2 | 6 | 18 | 36 | 49 |
| | Ply | 319 | 321 | 310 | 296 | 250 | 125 | 109 | 110 | 105 | 110 | 125 | 133 | 123 | 128 | 120 | 320 | 297 | 298 | 273 | 240 |
| Germany | Logs | 0 | 0 | 0 | 0 | 0 I | 133 | 161 | 153 | 142 | 131 | 28 | 40 | 40 | 25 | 34 | 105 | 121 | 113 | 117 | 97 |
| | Sawn | 40 I | 30 I | 28 | 21 | 15 I | 176 | 169 | 147 | 128 | 116 | 33 | 51 | 52 | 56 | 43 | 183 | 148 | 123 | 93 | 88 |
| | Ven | 15 | 15 I | 15 I | 15 I | 15 I | 55 E | 50 | 47 | 52 | 50 | 13 | 15 | 17 | 15 | 23 | 57 | 50 | 45 | 52 | 42 |
| | Ply | 3 I | 2 E | 2 | 0 | 0 | 151 | 149 | 217 | 221 | 225 | 16 | 12 | 17 * | 15 * | 28 | 138 | 139 | 202 | 206 | 197 |
| Greece | Logs | 0 | 0 | 0 | 0 | 0 I | 76 | 92 C | 59 | 93 | 50 I | 0 R | 0 C | 1 C | 0 R | 0 I | 76 | 92 | 58 | 93 | 50 |
| | Sawn | 0 | 2 | 2 E | 2 E | 2 I | 19 E | 15 C | 15 E | 12 E | 13 I | 0 | 2 C | 2 C | 2 | 2 I | 19 | 15 | 15 | 12 | 13 |
| | Ven | 7 | 0 | 0 E | 0 E | 0 I | 1 I | 2 C | 11 | 9 | 1 I | 1 | 0 CR | 0 CR | 7 | 0 I | 7 | 2 | 11 | 3 | 1 |
| | Ply | 26 | 26 E | 26 E | 26 E | 26 I | 6 | 7 C | 19 E | 11 E | 5 I | 16 | 5 C | 5 E | 0 E | 0 I | 16 | 28 | 40 | 37 | 31 |
| Ireland | Logs | 0 | 0 | 0 | 0 | 0 I | 18 C | 19 C | 24 | 6 | 6 I | 1 C | 0 E | 0 R | 0 R | 0 I | 18 | 19 | 24 | 6 | 6 |
| | Sawn | 5 I | 1 I | 5 I | 2 I | 0 | 93 C | 85 C | 71 | 60 | 60 I | 6 C | 7 C | 4 | 6 | 6 I | 92 | 79 | 72 | 56 | 54 |
| | Ven | 3 I | 0 | 0 | 0 | 0 | 1 C | 2 C | 1 | 9 | 9 I | 0 CR | 0 C | 0 | 1 | 1 I | 4 | 2 | 1 | 8 | 8 |
| | Ply | 0 | 0 | 0 | 0 | 0 | 24 C | 46 C | 45 | 35 | 35 | 1 C | 1 C | 1 | 0 R | 0 I | 23 | 45 | 44 | 35 | 35 |
| Italy | Logs | 0 | 0 | 0 | 0 | 0 | 292 | 314 | 276 | 352 G | 352 I | 0 R | 0 R | 1 | 8 | 7 | 292 | 314 | 275 | 344 | 345 |
| | Sawn | 60 I | 30 I | 20 I | 100 I | 100 I | 297 | 282 | 284 | 309 | 290 | 21 | 9 | 11 | 14 | 12 | 336 | 303 | 293 | 395 | 378 |
| | Ven | 90 I | 80 I | 70 I | 160 I | 160 I | 40 | 50 | 52 | 48 | 50 | 3 | 5 | 6 | 9 | 7 | 127 | 125 | 116 | 199 | 203 |
| | Ply | 45 I | 65 E | 65 | 65 | 65 | 58 | 57 | 64 | 70 | 70 | 28 | 33 | 31 | 32 | 30 | 75 | 89 | 98 | 103 | 105 |
| Luxembourg | Logs | 0 | 0 | 0 I | 0 I | 0 I | 0 R | 5 | 4 C | 7 I | 7 I | 0 | 4 C | 4 | 7 | 7 I | 0 | 1 | 0 | 0 | 0 |
| | Sawn | 0 | 2 I | 0 E | 0 E | 0 I | 0 R | 1 | 1 C | 1 | 1 I | 0 R | 0 R | 0 R | 0 R | 0 I | 0 | 3 | 1 | 1 | 1 |
| | Ven | 0 | 0 I | 0 E | 0 E | 0 I | 0 R | 0 R | 0 E | 0 E | 0 I | 0 | 0 E | 0 | 0 | 0 I | 0 | 0 | 0 | 0 | 0 |
| | Ply | 0 | 0 I | 0 E | 0 E | 0 I | 2 | 3 E | 3 E | 4 E | 4 I | 0 R | 0 E | 0 E | 0 E | 0 I | 2 | 3 | 3 | 4 | 4 |

## Table 1-1-b. Production, Trade and Consumption of Tropical Timber by ITTO Consumers (1000 $m^3$)

| | | Production | | | | | Imports | | | | | Exports | | | | | Domestic Consumption | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Country | Product | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 |
| Netherlands | Logs | 0 | 0 | 0 | 0 | 0 | 87 | 91 | 75 | 50 | 40 I | 2 | 5 | 0 R | 10 | 10 I | 85 | 86 | 75 | 40 | 30 |
| | Sawn | 45 | 40 | 23 | 25 | 25 | 385 | 471 | 388 | 383 | 360 | 58 | 66 | 61 | 106 | 100 | 372 | 445 | 350 | 303 | 285 |
| | Ven | 18 | 18 | 16 | 9 | 0 | 7 | 4 | 5 | 8 | 20 | 12 | 11 | 12 | 10 | 10 | 13 | 11 | 9 | 7 | 10 |
| | Ply | 3 | 3 | 2 | 2 | 0 | 239 | 231 | 225 | 226 | 230 | 29 | 33 | 30 | 27 | 30 | 213 | 200 | 198 | 201 | 200 |
| Portugal | Logs | 0 | 0 | 0 | 0 | 0 I | 368 | 357 | 656 | 668 | 668 I | 2 | 3 | 12 | 2 | 2 | 366 | 354 | 644 | 666 | 666 |
| | Sawn | 100 | 197 | 137 | 134 | 136 | 74 | 161 | 103 | 132 | 99 | 6 | 6 | 8 | 8 | 9 | 168 | 352 | 232 | 258 | 226 |
| | Ven | 5 I | 5 | 5 | 5 | 5 | 3 | 20 | 19 | 19 | 16 | 2 | 4 | 6 | 8 | 7 | 6 | 21 | 18 | 16 | 14 |
| | Ply | 16 | 12 | 11 | 11 | 10 | 3 | 4 | 6 | 3 | 5 | 0 R | 0 R | 1 | 1 | 1 | 18 | 16 | 16 | 13 | 14 |
| Spain | Logs | 0 | 0 | 0 | 0 I | 0 | 456 C | 178 | 172 | 158 * | 160 I | 0 CR | 1 | 3 C | 3 E | 0 | 456 | 177 | 169 | 155 | 160 |
| | Sawn | 120 I | 89 | 90 | 90 | 60 I | 447 C | 348 C | 533 | 475 | 370 | 3 C | 23 C | 9 C | 15 | 10 | 564 | 414 | 614 | 550 | 420 |
| | Ven | 15 I | 15 E | 5 I | 5 I | 5 I | 33 C | 36 C | 44 C | 39 C | 40 I | 14 C | 13 C | 13 C | 12 C | 10 I | 34 | 38 | 36 | 32 | 35 |
| | Ply | 100 I | 60 I | 70 I | 60 I | 50 I | 32 | 20 I | 12 E | 16 E | 15 I | 80 C | 63 | 54 E | 36 E | 40 I | 52 | 17 | 28 | 40 | 25 |
| Sweden | Logs | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 2 | 3 | 2 | 0 R | 0 R | 0 | 0 | 0 | 1 | 2 | 2 | 3 | 2 |
| | Sawn | 0 | 2 | 2 | 2 | 1 | 9 | 11 | 14 | 11 | 10 | 2 | 3 | 2 | 1 | 1 | 8 | 11 | 14 | 12 | 10 |
| | Ven | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 1 | 0 R | 1 | 1 | 1 | 1 | 2 | 3 | 2 | 2 | 1 |
| | Ply | 0 | 0 | 0 | 0 | 0 | 10 | 7 | 6 | 4 | 3 | 0 R | 0 R | 1 | 1 E | 1 | 10 | 7 | 5 | 3 | 2 |
| U.K. | Logs | 0 | 0 | 0 | 0 | 0 I | 24 | 65 | 62 | 73 | 45 | 0 | 49 | 10 | 8 | 5 I | 24 | 17 | 52 | 64 | 40 |
| | Sawn | 15 I | 10 I | 25 I | 30 I | 30 I | 210 | 328 | 349 | 339 | 350 | 0 | 5 | 6 | 5 | 5 | 225 | 333 | 369 | 364 | 375 |
| | Ven | 0 | 0 | 0 | 0 | 0 | 4 | 11 | 9 | 10 | 10 | 0 | 6 | 2 | 2 | 2 | 4 | 5 | 7 | 7 | 8 |
| | Ply | 0 | 0 | 0 | 0 | 0 | 285 E | 295 | 346 | 334 | 350 | 0 | 7 | 12 | 9 | 10 | 285 | 287 | 333 | 325 | 340 |
| Japan | Logs | 0 | 0 | 0 | 0 | 0 I | 3526 | 3141 | 2147 | 2032 | 1953 | 0 | 0 | 0 | 0 | 0 | 3526 | 3141 | 2147 | 2032 | 1953 |
| | Sawn | 341 | 308 | 263 | 216 | 207 | 660 | 687 | 601 | 547 | 491 | 0 R | 0 R | 0 R | 1 | 0 | 1001 | 995 | 864 | 762 | 698 |
| | Ven | 100 I | 100 I | 60 I | 40 I | 40 I | 53 | 48 | 45 | 39 | 31 | 0 R | 0 R | 1 | 1 | 1 | 153 | 148 | 104 | 78 | 70 |
| | Ply | 1880 I | 1660 I | 1110 I | 1050 I | 1050 I | 4415 | 4555 | 4529 | 4631 | 3719 | 1 | 1 | 1 | 2 | 11 | 6294 | 6214 | 5638 | 5679 | 4758 |
| Nepal | Logs | 0 I | 0 I | 0 I | 0 I | 0 I | 0 | 0 | 0 I | 0 I | 0 I | 0 | 0 | 0 I | 0 I | 0 I | 0 | 0 | 0 | 0 | 0 |
| | Sawn | 0 I | 0 I | 0 I | 0 I | 0 I | 0 CR | 0 C | 0 I | 0 I | 0 I | 0 | 0 | 0 I | 0 I | 0 I | 0 | 0 | 0 | 0 | 0 |
| | Ven | 0 I | 0 I | 0 I | 0 I | 0 I | 0 CR | 0 C | 0 I | 0 I | 0 I | 0 CR | 0 | 0 I | 0 I | 0 I | 0 | 0 | 0 | 0 | 0 |
| | Ply | 0 I | 0 I | 0 I | 0 I | 0 I | 0 CR | 0 C | 0 I | 0 R | 0 I | 0 C | 0 | 0 I | 0 I | 0 I | 0 | 0 | 0 | 0 | 0 |
| New Zealand | Logs | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 4 | 5 I | 0 | 0 | 0 R | 0 | 0 I | 1 | 1 | 1 | 4 | 5 |
| | Sawn | 1 I | 1 I | 1 I | 1 I | 1 I | 3 | 3 | 3 | 3 | 3 | 0 R | 0 | 0 R | 0 R | 0 R | 4 | 4 | 4 | 4 | 4 |
| | Ven | 0 | 0 | 0 | 1 I | 1 I | 1 | 0 R | 1 | 1 | 0 R | 0 R | 0 | 0 | 0 R | 0 R | 1 | 0 | 1 | 2 | 1 |
| | Ply | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 4 | 5 | 5 | 0 R | 2 | 0 R | 2 | 2 | 3 | 2 | 3 | 3 | 3 |
| Norway | Logs | 0 | 0 | 0 | 0 | 0 | 0 I | 0 R | 0 R | 0 R | 0 | 0 R | 0 I | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Sawn | 0 | 0 | 0 E | 0 E | 0 | 12 | 7 | 5 | 3 | 3 | 7 | 0 R | 1 | 3 E | 0 | 5 | 6 | 4 | 0 | 3 |
| | Ven | 0 I | 0 | 0 I | 0 I | 0 | 2 | 3 | 10 | 4 | 4 | 0 R | 0 R | 0 R | 1 | 0 | 2 | 3 | 10 | 3 | 4 |
| | Ply | 0 | 0 | 0 E | 0 E | 0 I | 4 | 12 | 6 | 35 | 35 | 1 | 1 | 3 | 4 | 5 | 3 | 11 | 3 | 31 | 30 |

## Table 1-1-b. Production, Trade and Consumption of Tropical Timber by ITTO Consumers (1000 $m^3$)

| | | Production | | | | | Imports | | | | | Exports | | | | | Domestic Consumption | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Country | Product | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 |
| Rep. of Korea | Logs | 0 I | 0 | 0 | 0 | 0 | 967 | 796 | 554 | 571 | 368 | 1 C | 0 R | 0 R | 0 R | 0 R | 966 | 796 | 554 | 571 | 368 |
| Korea | Sawn | 200 I | 150 I | 83 * | 83 * | 75 * | 272 | 316 | 358 | 367 | 264 | 0 CR | 3 | 3 | 1 | 1 | 472 | 463 | 438 | 449 | 338 |
| | Ven | 0 I | 0 I | 220 | 150 | 131 | 55 | 146 | 203 | 240 | 334 | 0 CR | 0 R | 0 R | 0 R | 0 R | 55 | 146 | 423 | 390 | 465 |
| | Ply | 374 I | 379 | 351 | 354 | 394 | 715 C | 902 | 1022 | 1234 | 1108 | 0 CR | 1 | 2 | 1 | 34 | 1088 | 1280 | 1371 | 1587 | 1468 |
| Switzerland | Logs | 0 | 0 | 0 | 0 | 0 | 10 | 10 | 4 | 5 | 5 | 0 R | 0 R | 0 R | 0 R | 0 | 10 | 10 | 4 | 5 | 5 |
| | Sawn | 6 | 6 | 6 I | 4 | 3 I | 11 | 13 | 14 | 15 | 15 | 0 R | 1 | 0 R | 0 R | 0 | 17 | 18 | 19 | 19 | 18 |
| | Ven | 0 | 0 | 0 | 0 | 0 | 0 R | 0 R | 0 R | 0 R | 0 | 0 R | 0 R | 0 R | 0 R | 0 | 0 | 0 | 0 | 0 | 0 |
| | Ply | 0 | 0 | 0 | 0 | 0 | 10 | 9 | 9 | 9 | 10 | 0 R | 0 R | 0 R | 0 R | 0 | 9 | 9 | 9 | 9 | 10 |
| U.S.A. | Logs | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 1 | 2 | 2 | 1 I | 2 I | 1 | 2 | 2 | 0 | 0 | 1 | 0 | 0 |
| | Sawn | 0 | 0 | 0 | 0 | 0 | 284 | 330 | 277 | 232 | 240 | 47 | 51 | 24 | 41 | 41 | 237 | 279 | 253 | 191 | 199 |
| | Ven | 0 | 0 | 0 | 0 I | 0 I | 25 | 25 | 23 A | 23 A | 24 | 4 | 2 | 2 A | 3 A | 3 A | 22 | 23 | 21 | 19 | 21 |
| | Ply | 0 | 0 | 0 | 0 | 0 | 1708 C | 1525 C | 1057 | 1340 | 1370 | 16 | 14 | 25 | 31 | 30 | 1692 | 1511 | 1032 | 1309 | 1340 |
| **Consumers Total** | **Logs** | **259** | **359** | **360** | **934** | **923** | **13827** | **14247** | **13367** | **12931** | **13164** | **103** | **167** | **142** | **141** | **129** | **13983** | **14439** | **13585** | **13724** | **13958** |
| | **Sawn** | **2361** | **2302** | **1976** | **1192** | **1148** | **6471** | **7683** | **7729** | **7700** | **8576** | **459** | **892** | **728** | **561** | **466** | **8373** | **9094** | **8977** | **8331** | **9258** |
| | **Ven** | **466** | **453** | **549** | **517** | **487** | **1196** | **1299** | **1107** | **1065** | **1162** | **94** | **95** | **118** | **144** | **175** | **1567** | **1657** | **1538** | **1437** | **1475** |
| | **Ply** | **5347** | **5658** | **5886** | **5830** | **6205** | **10597** | **10433** | **9843** | **10239** | **9551** | **690** | **750** | **809** | **991** | **1140** | **15254** | **15340** | **14920** | **15079** | **14616** |
| **ITTO Total** | **Logs** | **137377** | **144452** | **139974** | **136403** | **134090** | **17150** | **17684** | **17343** | **15748** | **15915** | **14670** | **16943** | **16473** | **13209** | **13501** | **139856** | **145193** | **140844** | **138941** | **136505** |
| | **Sawn** | **38996** | **44290** | **35854** | **35180** | **35144** | **8101** | **9286** | **9590** | **10100** | **11257** | **6521** | **8570** | **9115** | **9138** | **8984** | **40576** | **45006** | **36329** | **36142** | **37417** |
| | **Ven** | **2701** | **3040** | **2818** | **2678** | **2739** | **1425** | **1442** | **1245** | **1164** | **1334** | **1658** | **1561** | **1302** | **1423** | **1431** | **2469** | **2921** | **2761** | **2419** | **2641** |
| | **Ply** | **19207** | **21439** | **20047** | **19344** | **19570** | **10715** | **10522** | **9918** | **10345** | **9655** | **11270** | **12884** | **11605** | **11288** | **11532** | **18652** | **19077** | **18360** | **18401** | **17694** |

## Table 1-1-c. Production, Trade and Consumption of All Timber by ITTO Producers (1000 $m^3$)

| | | | Production | | | | | Imports | | | | | Exports | | | | | Domestic Consumption | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Country | Product | Species | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 |
| | **Logs** | **All** | **19291** | **20386** | **20093** | **19435** | **18960** | **103** | **74** | **39** | **25** | **19** | **4386** | **5070** | **4685** | **4497** | **4655** | **15008** | **15390** | **15446** | **14963** | **14325** |
| | | **C** | **0** | **0** | **0** | **0** | **0** | **11** | **7** | **0** | **3** | **3** | **4** | **5** | **0** | **0** | **0** | **6** | **2** | **0** | **3** | **3** |
| | | **NC** | **19291** | **20386** | **20093** | **19435** | **18960** | **92** | **66** | **38** | **22** | **16** | **4382** | **5065** | **4685** | **4497** | **4655** | **15002** | **15387** | **15446** | **14960** | **14322** |
| | **Sawn** | **All** | **3992** | **4646** | **4343** | **4396** | **4126** | **9** | **16** | **27** | **27** | **32** | **1468** | **2155** | **1579** | **1762** | **1585** | **2532** | **2506** | **2790** | **2661** | **2573** |
| | | **C** | **0** | **0** | **0** | **0** | **0** | **1** | **6** | **2** | **2** | **2** | **0** | **1** | **2** | **2** | **2** | **1** | **5** | **1** | **1** | **1** |
| | | **NC** | **3992** | **4646** | **4343** | **4396** | **4126** | **8** | **9** | **24** | **25** | **30** | **1468** | **2154** | **1577** | **1761** | **1583** | **2531** | **2502** | **2790** | **2660** | **2573** |
| **Africa** | **Ven** | **All** | **624** | **716** | **735** | **693** | **700** | **2** | **3** | **0** | **3** | **3** | **443** | **394** | **381** | **421** | **420** | **184** | **325** | **354** | **275** | **283** |
| | | **C** | **0** | **0** | **0** | **0** | **0** | **1** | **1** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **1** | **0** | **0** | **0** |
| | | **NC** | **624** | **716** | **735** | **693** | **700** | **1** | **2** | **0** | **3** | **3** | **443** | **394** | **381** | **421** | **420** | **183** | **324** | **354** | **275** | **283** |
| | **Ply** | **All** | **421** | **369** | **365** | **448** | **413** | **136** | **45** | **22** | **12** | **11** | **213** | **200** | **167** | **196** | **195** | **343** | **214** | **220** | **264** | **230** |
| | | **C** | **0** | **0** | **0** | **0** | **0** | **93** | **43** | **20** | **1** | **0** | **0** | **0** | **0** | **0** | **0** | **92** | **43** | **20** | **1** | **0** |
| | | **NC** | **421** | **369** | **365** | **448** | **413** | **43** | **2** | **1** | **11** | **11** | **213** | **200** | **166** | **195** | **195** | **251** | **171** | **200** | **264** | **230** |
| Cameroon | Logs | All | 2655 | 2720 | 2100 | 1900 [I] | 1700 [I] | 0 [I] | 0 [CR] | 0 [R] | 0 [I] | 0 [I] | 1031 | 635 | 233 | 425 [*D] | 250 [I] | 1624 | 2085 | 1867 | 1475 | 1450 |
| | | C | 0 | 0 | 0 | 0 | 0 [I] | 0 [I] | 0 [CR] | 0 [R] | 0 [I] | 0 [I] | 0 | 0 | 0 | 0 | 0 [I] | 0 | 0 | 0 | 0 | 0 |
| | | NC | 2655 | 2720 | 2100 | 1900 [I] | 1700 [I] | 0 [I] | 0 [C] | 0 [CR] | 0 [I] | 0 [I] | 1031 | 635 | 233 | 425 [*D] | 250 [I] | 1624 | 2085 | 1867 | 1475 | 1450 |
| | Sawn | All | 600 | 1200 [I] | 800 [I] | 800 [I] | 700 [I] | 0 [I] | 1 [C] | 0 [R] | 0 [I] | 0 [I] | 476 | 1154 | 631 | 793 [*D] | 640 [I] | 124 | 47 | 170 | 7 | 60 |
| | | C | 0 | 0 | 0 [I] | 0 [I] | 0 [I] | 0 [I] | 1 [C] | 0 [R] | 0 [I] | 0 [I] | 0 | 0 | 0 | 0 | 0 [I] | 0 | 1 | 0 | 0 | 0 |
| | | NC | 600 | 1200 [I] | 800 [I] | 800 [I] | 700 [I] | 0 [I] | 0 [CR] | 0 | 0 [I] | 0 [I] | 476 | 1154 | 631 | 793 [*D] | 640 [I] | 124 | 46 | 170 | 7 | 60 |
| | Ven | All | 53 | 72 | 55 [I] | 50 [I] | 50 [I] | 0 [I] | 0 [C] | 0 [R] | 0 [I] | 0 [I] | 48 | 70 | 33 | 27 [*D] | 27 [I] | 6 | 2 | 22 | 23 | 23 |
| | | C | 0 | 0 | 0 [I] | 0 | 0 [I] | 0 [I] | 0 [C] | 0 [R] | 0 [I] | 0 [I] | 0 | 0 | 0 | 0 | 0 [I] | 0 | 0 | 0 | 0 | 0 |
| | | NC | 53 | 72 | 55 [I] | 50 [I] | 50 [I] | 0 [I] | 0 [C] | 0 [CR] | 0 [I] | 0 [I] | 48 | 70 | 33 | 27 [*D] | 27 [I] | 6 | 2 | 22 | 23 | 23 |
| | Ply | All | 92 | 36 | 30 [I] | 48 [I] | 48 [I] | 0 [I] | 0 [CR] | 0 [R] | 0 [I] | 0 [I] | 88 | 35 | 21 | 47 [*D] | 47 [I] | 4 | 1 | 9 | 1 | 1 |
| | | C | 0 | 0 | 0 [I] | 0 | 0 [I] | 0 [I] | 0 [C] | 0 [R] | 0 [I] | 0 [I] | 0 | 0 | 0 | 0 | 0 [I] | 0 | 0 | 0 | 0 | 0 |
| | | NC | 92 | 36 | 30 [I] | 48 [I] | 48 [I] | 0 [I] | 0 [CR] | 0 [R] | 0 [I] | 0 [I] | 88 | 35 | 21 | 47 [*D] | 47 [I] | 4 | 1 | 9 | 1 | 1 |
| Central | Logs | All | 553 | 703 | 750 | 550 [I] | 550 [I] | 0 | 0 [I] | 0 [I] | 0 [I] | 0 [I] | 154 | 250 | 313 | 100 [I] | 100 [I] | 399 | 453 | 437 | 450 | 450 |
| African | | C | 0 | 0 | 0 | 0 [I] | 0 [I] | 0 | 0 [I] | 0 [I] | 0 [I] | 0 [I] | 0 | 0 | 0 | 0 [I] | 0 [I] | 0 | 0 | 0 | 0 | 0 |
| Republic | | NC | 553 | 703 | 750 | 550 [I] | 550 [I] | 0 | 0 [I] | 0 [I] | 0 [I] | 0 [I] | 154 | 250 | 313 | 100 [I] | 100 [I] | 399 | 453 | 437 | 450 | 450 |
| | Sawn | All | 79 | 102 | 150 | 150 [I] | 150 [I] | 0 | 0 [I] | 0 [I] | 0 [I] | 0 [I] | 64 | 66 | 76 | 76 [I] | 76 [I] | 15 | 36 | 74 | 74 | 74 |
| | | C | 0 | 0 | 0 | 0 [I] | 0 [I] | 0 | 0 [I] | 0 [I] | 0 [I] | 0 [I] | 0 | 0 | 0 | 0 [I] | 0 [I] | 0 | 0 | 0 | 0 | 0 |
| | | NC | 79 | 102 | 150 | 150 [I] | 150 [I] | 0 | 0 [I] | 0 [I] | 0 [I] | 0 [I] | 64 | 66 | 76 | 76 [I] | 76 [I] | 15 | 36 | 74 | 74 | 74 |
| | Ven | All | 0 | 0 | 0 | 0 [I] | 0 [I] | 0 | 0 [I] | 0 [I] | 0 [I] | 0 [I] | 0 | 0 | 0 | 0 [I] | 0 [I] | 0 | 0 | 0 | 0 | 0 |
| | | C | 0 | 0 | 0 | 0 [I] | 0 [I] | 0 | 0 [I] | 0 [I] | 0 [I] | 0 [I] | 0 | 0 | 0 | 0 [I] | 0 [I] | 0 | 0 | 0 | 0 | 0 |
| | | NC | 0 | 0 | 0 | 0 [I] | 0 [I] | 0 | 0 [I] | 0 [I] | 0 [I] | 0 [I] | 0 | 0 | 0 | 0 [I] | 0 [I] | 0 | 0 | 0 | 0 | 0 |
| | Ply | All | 2 | 2 | 4 | 4 [I] | 4 [I] | 0 | 0 [I] | 0 [I] | 0 [I] | 0 [I] | 1 | 0 | 0 | 0 [I] | 0 [I] | 1 | 2 | 4 | 4 | 4 |
| | | C | 0 | 0 | 0 | 0 [I] | 0 [I] | 0 | 0 [I] | 0 [I] | 0 [I] | 0 [I] | 0 | 0 | 0 | 0 [I] | 0 [I] | 0 | 0 | 0 | 0 | 0 |
| | | NC | 2 | 2 | 4 | 4 [I] | 4 [I] | 0 | 0 [I] | 0 [I] | 0 [I] | 0 [I] | 1 | 0 | 0 | 0 [I] | 0 [I] | 1 | 2 | 4 | 4 | 4 |

## Table 1-1-c. Production, Trade and Consumption of All Timber by ITTO Producers (1000 $m^3$)

| | | | Production | | | | | Imports | | | | | Exports | | | | | Domestic Consumption | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Country | Product | Species | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 |
| Congo, Dem. Rep. (former Zaire) | Logs | All | 170 I | 170 I | 38 | 75 I | 60 | 1 C | 0 C | 0 | 0 I | 0 I | 49 C | 59 C | 17 | 11 I | 50 | 122 | 111 | 21 | 64 | 10 |
| | | C | 0 I | 0 I | 0 | 0 | 0 | 1 C | 0 C | 0 | 0 I | 0 I | 0 C | 0 I | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| | | NC | 170 I | 170 I | 38 | 75 I | 60 | 0 C | 0 C | 0 | 0 I | 0 I | 49 C | 59 C | 17 | 11 I | 50 | 121 | 111 | 21 | 64 | 10 |
| | Sawn | All | 50 I | 40 I | 10 I | 35 I | 7 | 0 CR | 0 CR | 0 | 0 I | 0 I | 16 C | 20 I | 7 | 29 | 6 | 34 | 20 | 3 | 6 | 1 |
| | | C | 0 I | 0 I | 0 I | 0 I | 0 | 0 C | 0 CR | 0 | 0 I | 0 I | 0 C | 0 I | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | NC | 50 I | 40 I | 10 I | 35 I | 7 | 0 CR | 0 C | 0 | 0 I | 0 I | 16 C | 20 I | 7 | 29 | 6 | 34 | 20 | 3 | 6 | 1 |
| | Ven | All | 1 I | 1 I | 1 I | 1 I | 1 I | 0 CR | 0 C | 0 | 0 I | 0 I | 1 C | 0 CR | 0 I | 0 | 0 | 0 | 1 | 1 | 1 | 1 |
| | | C | 0 I | 0 I | 0 I | 0 I | 0 I | 0 CR | 0 C | 0 | 0 I | 0 I | 0 C | 0 C | 0 I | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | NC | 1 I | 1 I | 1 I | 1 I | 1 I | 0 CR | 0 C | 0 | 0 I | 0 I | 1 C | 0 CR | 0 I | 0 | 0 | 0 | 1 | 1 | 1 | 1 |
| | Ply | All | 1 I | 1 I | 1 I | 1 I | 1 I | 92 C | 0 CR | 0 | 0 I | 0 I | 0 C | 0 CR | 0 I | 0 | 0 | 93 | 1 | 1 | 1 | 1 |
| | | C | 0 I | 0 I | 0 I | 0 I | 0 I | 92 C | 0 C | 0 | 0 I | 0 I | 0 C | 0 C | 0 I | 0 | 0 | 92 | 0 | 0 | 0 | 0 |
| | | NC | 1 I | 1 I | 1 I | 1 I | 1 I | 0 CR | 0 CR | 0 | 0 I | 0 I | 0 C | 0 CR | 0 I | 0 | 0 | 1 | 1 | 1 | 1 | 1 |
| Congo, Rep. | Logs | All | 1187 | 1240 | 844 | 1050 | 1050 I | 0 I | 0 I | 0 I | 0 I | 0 I | 207 | 271 | 464 | 559 | 559 I | 980 | 969 | 380 | 491 | 491 |
| | | C | 0 I | 0 | 0 | 0 | 0 I | 0 I | 0 I | 0 I | 0 I | 0 I | 0 | 0 | 0 | 0 | 0 I | 0 | 0 | 0 | 0 | 0 |
| | | NC | 1187 I | 1240 | 844 | 1050 | 1050 I | 0 I | 0 I | 0 I | 0 I | 0 I | 207 | 271 | 464 | 559 | 559 I | 980 | 969 | 380 | 491 | 491 |
| | Sawn | All | 74 | 109 | 126 | 170 I | 170 I | 0 I | 0 I | 0 I | 0 I | 0 I | 63 | 70 | 93 | 135 | 135 I | 11 | 39 | 33 | 35 | 35 |
| | | C | 0 | 0 | 0 | 0 I | 0 I | 0 I | 0 I | 0 I | 0 I | 0 I | 0 | 0 | 0 | 0 | 0 I | 0 | 0 | 0 | 0 | 0 |
| | | NC | 74 | 109 | 126 | 170 I | 170 I | 0 I | 0 I | 0 I | 0 I | 0 I | 63 | 70 | 93 | 135 | 135 I | 11 | 39 | 33 | 35 | 35 |
| | Ven | All | 19 | 10 | 14 | 21 | 21 I | 0 I | 0 I | 0 I | 0 I | 0 I | 16 | 8 * | 9 | 18 | 18 I | 2 | 2 | 5 | 3 | 3 |
| | | C | 0 | 0 | 0 | 0 | 0 I | 0 I | 0 I | 0 I | 0 I | 0 I | 0 | 0 | 0 | 0 | 0 I | 0 | 0 | 0 | 0 | 0 |
| | | NC | 19 | 10 | 14 | 21 | 21 I | 0 I | 0 I | 0 I | 0 I | 0 I | 16 | 8 * | 9 | 18 | 18 I | 2 | 2 | 5 | 3 | 3 |
| | Ply | All | 3 | 1 I | 4 | 4 | 4 I | 0 I | 0 I | 0 I | 0 I | 0 I | 0 R | 0 R | 1 | 4 | 4 I | 2 | 1 | 3 | 0 | 0 |
| | | C | 0 | 0 I | 0 | 0 | 0 I | 0 I | 0 I | 0 I | 0 I | 0 I | 0 | 0 | 0 | 0 | 0 I | 0 | 0 | 0 | 0 | 0 |
| | | NC | 3 | 1 I | 4 | 4 | 4 I | 0 I | 0 I | 0 I | 0 I | 0 I | 0 R | 0 R | 1 | 4 | 4 I | 2 | 1 | 3 | 0 | 0 |
| Côte d'Ivoire | Logs | All | 2222 | 2500 | 2615 | 2084 | 1800 | 84 | 60 | 37 | 10 | 10 I | 105 | 136 | 127 | 86 | 86 I | 2201 | 2424 | 2525 | 2008 | 1724 |
| | | C | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 I | 0 | 0 | 0 | 0 | 0 I | 0 | 0 | 0 | 0 | 0 |
| | | NC | 2222 | 2500 | 2615 | 2084 | 1800 | 84 | 60 | 37 | 10 | 10 I | 105 | 136 | 127 | 86 | 86 I | 2201 | 2424 | 2525 | 2008 | 1724 |
| | Sawn | All | 611 | 603 | 630 | 620 | 436 | 0 | 0 | 0 | 0 | 0 I | 479 | 460 | 397 | 349 | 349 I | 132 | 143 | 233 | 271 | 87 |
| | | C | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 I | 0 | 0 | 0 | 0 | 0 I | 0 | 0 | 0 | 0 | 0 |
| | | NC | 611 | 603 | 630 | 620 | 436 | 0 | 0 | 0 | 0 | 0 I | 479 | 460 | 397 | 349 | 349 I | 132 | 143 | 233 | 271 | 87 |
| | Ven | All | 269 | 297 | 296 | 247 | 218 | 0 | 0 | 0 | 0 | 0 I | 153 | 113 | 121 | 151 | 151 I | 116 | 184 | 175 | 96 | 67 |
| | | C | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 I | 0 | 0 | 0 | 0 | 0 I | 0 | 0 | 0 | 0 | 0 |
| | | NC | 269 | 297 | 296 | 247 | 218 | 0 | 0 | 0 | 0 | 0 I | 153 | 113 | 121 | 151 | 151 I | 116 | 184 | 175 | 96 | 67 |
| | Ply | All | 59 | 80 | 81 | 76 | 55 | 0 | 0 | 0 | 0 | 0 I | 22 | 40 | 34 | 38 | 38 I | 37 | 40 | 47 | 38 | 17 |
| | | C | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 I | 0 | 0 | 0 | 0 | 0 I | 0 | 0 | 0 | 0 | 0 |
| | | NC | 59 | 80 | 81 | 76 | 55 | 0 | 0 | 0 | 0 | 0 I | 22 | 40 | 34 | 38 | 38 I | 37 | 40 | 47 | 38 | 17 |

## Table 1-1-c. Production, Trade and Consumption of All Timber by ITTO Producers (1000 $m^3$)

| | | | Production | | | | | Imports | | | | | Exports | | | | | Domestic Consumption | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Country | Product | Species | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 |
| Gabon | Logs | All | 3635 | 3715 | 4216 | 4000 | 4000 I | 0 | 0 | 0 | 0 | 0 I | 2338 | 2584 | 2314 * | 2000 I | 2500 I | 1297 | 1131 | 1902 | 2000 | 1500 |
| | | C | 0 | 0 | 0 | 0 | 0 I | 0 | 0 | 0 | 0 | 0 I | 0 | 0 | 0 | 0 | 0 I | 0 | 0 | 0 | 0 | 0 |
| | | NC | 3635 | 3715 | 4216 | 4000 | 4000 I | 0 | 0 | 0 | 0 | 0 I | 2338 | 2584 | 2314 * | 2000 I | 2500 I | 1297 | 1131 | 1902 | 2000 | 1500 |
| | Sawn | All | 98 | 88 | 112 | 117 | 117 I | 0 | 0 R | 14 | 14 | 14 I | 69 | 79 | 77 | 103 * | 103 I | 29 | 9 | 49 | 28 | 28 |
| | | C | 0 | 0 | 0 | 0 | 0 I | 0 | 0 | 0 R | 0 | 0 I | 0 | 0 | 0 | 0 | 0 I | 0 | 0 | 0 | 0 | 0 |
| | | NC | 98 | 88 | 112 | 117 | 117 I | 0 I | 0 R | 13 I | 14 I | 14 I | 69 | 79 | 77 | 103 * | 103 I | 29 | 9 | 48 | 28 | 28 |
| | Ven | All | 133 | 91 | 110 | 110 I | 110 I | 1 C | 2 | 0 | 3 | 3 I | 124 | 91 | 104 | 108 * | 108 I | 9 | 2 | 6 | 5 | 5 |
| | | C | 0 | 0 | 0 | 0 | 0 I | 1 C | 0 R | 0 | 0 | 0 I | 0 | 0 | 0 | 0 | 0 I | 1 | 0 | 0 | 0 | 0 |
| | | NC | 133 | 91 | 110 | 110 I | 110 I | 0 CR | 2 I | 0 | 3 I | 3 I | 124 | 91 | 104 | 108 * | 108 I | 9 | 2 | 6 | 5 | 5 |
| | Ply | All | 134 | 104 | 76 | 141 | 141 I | 42 | 43 | 20 | 10 | 10 I | 77 | 78 | 57 | 30 * | 30 I | 100 | 69 | 39 | 121 | 121 |
| | | C | 0 | 0 | 0 | 0 | 0 I | 0 | 43 | 20 | 0 | 0 I | 0 | 0 | 0 | 0 | 0 I | 0 | 43 | 20 | 0 | 0 |
| | | NC | 134 | 104 | 76 | 141 | 141 I | 42 | 0 | 0 | 10 I | 10 I | 77 | 78 | 57 | 30 * | 30 I | 100 | 26 | 19 | 121 | 121 |
| Ghana | Logs | All | 1102 | 998 | 1212 | 1104 | 1500 | 0 | 0 | 0 | 11 | 5 | 0 | 0 | 0 | 0 | 0 | 1102 | 998 | 1212 | 1115 | 1505 |
| | | C | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | NC | 1102 | 998 | 1212 | 1104 | 1500 | 0 | 0 | 0 | 11 | 5 | 0 | 0 | 0 | 0 | 0 | 1102 | 998 | 1212 | 1115 | 1505 |
| | Sawn | All | 454 | 475 | 480 | 461 | 511 | 0 | 0 | 0 | 0 | 0 | 250 | 243 | 239 | 207 | 217 | 204 | 232 | 241 | 254 | 294 |
| | | C | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | NC | 454 | 475 | 480 | 461 | 511 | 0 | 0 | 0 | 0 | 0 | 250 | 243 | 239 | 207 | 217 | 204 | 232 | 241 | 254 | 294 |
| | Ven | All | 150 | 245 | 259 | 264 | 300 | 0 | 0 | 0 | 0 | 0 | 101 | 111 | 114 | 117 | 116 | 49 | 134 | 145 | 147 | 184 |
| | | C | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | NC | 150 | 245 | 259 | 264 | 300 | 0 | 0 | 0 | 0 | 0 | 101 | 111 | 114 | 117 | 116 | 49 | 134 | 145 | 147 | 184 |
| | Ply | All | 75 | 90 | 114 | 119 | 105 | 0 | 0 | 0 | 0 | 0 | 25 | 47 | 53 | 75 | 75 | 50 | 43 | 61 | 44 | 30 |
| | | C | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | NC | 75 | 90 | 114 | 119 | 105 | 0 | 0 | 0 | 0 | 0 | 25 | 47 | 53 | 75 | 75 | 50 | 43 | 61 | 44 | 30 |
| Liberia | Logs | All | 354 | 934 | 982 | 1364 | 950 I | 0 | 0 | 0 I | 0 I | 0 I | 340 I | 900 I | 940 I | 1100 I | 900 I | 14 | 34 | 42 | 264 | 50 |
| | | C | 0 | 0 | 0 | 0 | 0 I | 0 | 0 | 0 I | 0 I | 0 I | 0 | 0 I | 0 I | 0 | 0 I | 0 | 0 | 0 | 0 | 0 |
| | | NC | 354 | 934 | 982 | 1364 | 950 I | 0 | 0 | 0 I | 0 I | 0 I | 340 I | 900 I | 940 I | 1100 I | 900 I | 14 | 34 | 42 | 264 | 50 |
| | Sawn | All | 4 | 10 | 20 I | 30 I | 25 I | 0 | 0 | 0 I | 0 I | 0 I | 0 R | 6 | 15 I | 25 I | 20 I | 4 | 4 | 5 | 5 | 5 |
| | | C | 0 | 0 | 0 I | 0 I | 0 I | 0 | 0 | 0 I | 0 I | 0 I | 0 | 0 | 0 I | 0 I | 0 I | 0 | 0 | 0 | 0 | 0 |
| | | NC | 4 | 10 | 20 I | 30 I | 25 I | 0 | 0 | 0 I | 0 I | 0 I | 0 R | 6 | 15 I | 25 I | 20 I | 4 | 4 | 5 | 5 | 5 |
| | Ven | All | 0 | 0 | 0 I | 0 I | 0 I | 0 | 0 | 0 I | 0 I | 0 I | 0 | 0 | 0 I | 0 I | 0 I | 0 | 0 | 0 | 0 | 0 |
| | | C | 0 | 0 | 0 I | 0 I | 0 I | 0 | 0 | 0 I | 0 I | 0 I | 0 | 0 | 0 I | 0 I | 0 I | 0 | 0 | 0 | 0 | 0 |
| | | NC | 0 | 0 | 0 I | 0 I | 0 I | 0 | 0 | 0 I | 0 I | 0 I | 0 | 0 | 0 I | 0 I | 0 I | 0 | 0 | 0 | 0 | 0 |
| | Ply | All | 0 | 0 | 0 I | 0 I | 0 I | 0 | 0 | 0 I | 0 I | 0 I | 0 | 0 | 0 I | 0 I | 0 I | 0 | 0 | 0 | 0 | 0 |
| | | C | 0 | 0 | 0 I | 0 I | 0 I | 0 | 0 | 0 I | 0 I | 0 I | 0 | 0 | 0 I | 0 I | 0 I | 0 | 0 | 0 | 0 | 0 |
| | | NC | 0 | 0 | 0 I | 0 I | 0 I | 0 | 0 | 0 I | 0 I | 0 I | 0 | 0 | 0 I | 0 I | 0 I | 0 | 0 | 0 | 0 | 0 |

## Table 1-1-c. Production, Trade and Consumption of All Timber by ITTO Producers (1000 $m^3$)

| Country | Product | Species | Production | | | | | Imports | | | | | Exports | | | | | Domestic Consumption | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 |
| Nigeria | Logs | All | 7100 I | 7100 I | 7100 I | 7100 I | 7100 I | 16 I | 8 CW | 0 CR | 4 I | 4 I | 152 C | 207 I | 259 C | 200 I | 200 I | 6965 | 6900 | 6841 | 6904 | 6904 |
| | | C | 0 I | 0 I | 0 I | 0 I | 0 I | 10 I | 7 CW | 0 CR | 3 I | 3 I | 4 C | 5 I | 0 C | 0 I | 0 I | 6 | 2 | 0 | 3 | 3 |
| | | NC | 7100 I | 7100 I | 7100 I | 7100 I | 7100 I | 6 CW | 1 CW | 0 CR | 1 F | 1 I | 147 C | 202 C | 259 C | 200 I | 200 I | 6959 | 6899 | 6841 | 6901 | 6901 |
| | Sawn | All | 2000 F | 2000 F | 2000 F | 2000 F | 2000 I | 1 F | 7 CW | 3 I | 3 I | 3 I | 50 F | 55 CW | 38 F | 38 F | 38 I | 1951 | 1952 | 1965 | 1965 | 1965 |
| | | C | 0 I | 0 I | 0 I | 0 I | 0 I | 0 F | 6 CW | 2 I | 2 I | 2 I | 0 I | 1 CW | 2 F | 2 F | 2 I | 0 | 4 | 1 | 1 | 1 |
| | | NC | 2000 F | 2000 F | 2000 F | 2000 F | 2000 I | 1 F | 2 CW | 1 F | 1 F | 1 I | 50 F | 54 F | 37 F | 37 F | 37 I | 1951 | 1948 | 1964 | 1964 | 1964 |
| | Ven | All | 0 I | 0 I | 0 I | 0 I | 0 I | 1 CW | 0 CR | 0 I | 0 I | 0 I | 0 I | 0 I | 0 I | 0 I | 0 | 1 | 0 | 0 | 0 | 0 |
| | | C | 0 I | 0 I | 0 I | 0 I | 0 I | 0 I | 0 CR | 0 I | 0 I | 0 I | 0 I | 0 I | 0 I | 0 I | 0 | 0 | 0 | 0 | 0 | 0 |
| | | NC | 0 I | 0 I | 0 I | 0 I | 0 I | 1 C | 0 C | 0 I | 0 I | 0 I | 0 I | 0 I | 0 I | 0 I | 0 | 1 | 0 | 0 | 0 | 0 |
| | Ply | All | 55 F | 55 F | 55 F | 55 F | 55 I | 0 CR | 1 C | 1 C | 1 C | 0 I | 0 I | 0 I | 0 FR | 0 FR | 0 I | 55 | 56 | 56 | 56 | 55 |
| | | C | 0 I | 0 I | 0 I | 0 I | 0 I | 0 CR | 0 CR | 0 CR | 1 CR | 0 I | 0 CW | 0 I | 0 FR | 0 FR | 0 I | 0 | 0 | 0 | 1 | 0 |
| | | NC | 55 I | 55 I | 55 I | 55 I | 55 I | 0 CR | 1 C | 0 CR | 0 CR | 0 I | 0 I | 0 I | 0 I | 0 I | 0 I | 55 | 56 | 55 | 55 | 55 |
| Togo | Logs | All | 314 | 306 | 235 | 208 | 250 | 2 | 5 | 1 | 1 | 1 | 11 | 28 | 17 | 17 | 10 | 305 | 283 | 219 | 192 | 241 |
| | | C | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | NC | 314 | 306 | 235 | 208 | 250 | 2 | 5 | 1 | 1 | 1 | 11 | 28 | 17 | 17 | 10 | 305 | 283 | 219 | 192 | 241 |
| | Sawn | All | 21 | 19 | 15 | 13 | 10 | 8 | 8 | 10 | 10 | 15 | 1 | 2 | 6 | 6 | 0 | 28 | 25 | 19 | 17 | 25 |
| | | C | 0 | 0 | 0 | 0 | 0 | 0 R | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | NC | 21 | 19 | 15 | 13 | 10 | 7 | 8 | 10 | 10 | 15 | 1 | 2 | 6 | 6 | 0 | 28 | 25 | 19 | 17 | 25 |
| | Ven | All | 0 | 0 | 0 | 0 | 0 | 0 R | 0 | 0 R | 0 R | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | C | 0 | 0 | 0 | 0 | 0 | 0 R | 0 | 0 R | 0 R | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | NC | 0 | 0 | 0 | 0 | 0 | 0 R | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Ply | All | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 |
| | | C | 0 | 0 | 0 | 0 | 0 | 0 R | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | NC | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 |
| **Asia-Pacific** | **Logs** | **All** | **84767** | **89637** | **84849** | **80104** | **77236** | **3846** | **4201** | **4601** | **3335** | **3128** | **9974** | **11536** | **11589** | **8430** | **8604** | **78639** | **82303** | **77861** | **75009** | **71760** |
| | | **C** | **3548** | **3673** | **3533** | **3209** | **3210** | **179** | **188** | **129** | **120** | **110** | **14** | **1** | **22** | **4** | **2** | **3713** | **3861** | **3640** | **3325** | **3317** |
| | | **NC** | **81219** | **85964** | **81316** | **76895** | **74026** | **3667** | **4013** | **4472** | **3215** | **3018** | **9960** | **11535** | **11567** | **8426** | **8601** | **74926** | **78442** | **74221** | **71684** | **68443** |
| | **Sawn** | **All** | **21002** | **21065** | **12833** | **12292** | **11975** | **1822** | **2197** | **2466** | **3225** | **3605** | **3537** | **4487** | **5845** | **5589** | **5684** | **19287** | **18776** | **9453** | **9928** | **9896** |
| | | **C** | **1254** | **1159** | **184** | **236** | **228** | **176** | **377** | **325** | **350** | **409** | **31** | **24** | **57** | **24** | **20** | **1399** | **1511** | **451** | **563** | **617** |
| | | **NC** | **19748** | **19907** | **12649** | **12055** | **11747** | **1646** | **1821** | **2141** | **2876** | **3196** | **3506** | **4463** | **5788** | **5566** | **5663** | **17888** | **17265** | **9002** | **9365** | **9279** |
| | **Ven** | **All** | **1244** | **1452** | **1116** | **1055** | **1143** | **232** | **225** | **191** | **271** | **182** | **1047** | **1013** | **764** | **699** | **675** | **429** | **664** | **544** | **627** | **650** |
| | | **C** | **0** | **0** | **1** | **0** | **0** | **10** | **18** | **10** | **14** | **10** | **2** | **1** | **3** | **6** | **3** | **8** | **17** | **8** | **8** | **8** |
| | | **NC** | **1244** | **1452** | **1116** | **1055** | **1143** | **222** | **207** | **181** | **257** | **172** | **1045** | **1011** | **761** | **693** | **672** | **421** | **647** | **536** | **619** | **643** |
| | **Ply** | **All** | **12303** | **13469** | **12474** | **11782** | **11670** | **102** | **116** | **74** | **101** | **96** | **9750** | **11319** | **9658** | **9256** | **9350** | **2655** | **2265** | **2890** | **2627** | **2416** |
| | | **C** | **15** | **20** | **21** | **19** | **15** | **25** | **18** | **10** | **28** | **27** | **20** | **6** | **3** | **22** | **11** | **20** | **32** | **28** | **25** | **31** |
| | | **NC** | **12288** | **13449** | **12453** | **11763** | **11655** | **77** | **98** | **64** | **73** | **69** | **9729** | **11313** | **9655** | **9234** | **9339** | **2635** | **2233** | **2862** | **2602** | **2385** |

## Table 1-1-c. Production, Trade and Consumption of All Timber by ITTO Producers (1000 $m^3$)

| | | | Production | | | | | Imports | | | | | Exports | | | | | Domestic Consumption | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Country | Product | Species | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 |
| Cambodia | Logs | All | 291 | 179 | 123 | 125 I | 125 I | 0 | 0 I | 0 I | 0 I | 0 I | 0 | 0 | 0 | 0 I | 0 I | 291 | 179 | 123 | 125 | 125 |
| | | C | 0 | 0 | 0 I | 0 I | 0 I | 0 | 0 I | 0 I | 0 I | 0 I | 0 | 0 | 0 | 0 I | 0 I | 0 | 0 | 0 | 0 | 0 |
| | | NC | 291 | 179 | 123 | 125 I | 125 I | 0 | 0 I | 0 I | 0 I | 0 I | 0 | 0 | 0 | 0 I | 0 I | 291 | 179 | 123 | 125 | 125 |
| | Sawn | All | 10 | 20 | 5 | 5 I | 5 I | 0 | 0 I | 0 I | 0 I | 0 I | 10 | 3 | 5 | 5 | 5 I | 0 | 17 | 0 | 0 | 0 |
| | | C | 0 | 0 | 0 | 0 I | 0 I | 0 | 0 I | 0 I | 0 I | 0 I | 0 | 0 | 0 | 0 | 0 I | 0 | 0 | 0 | 0 | 0 |
| | | NC | 10 | 20 | 5 | 5 I | 5 I | 0 | 0 I | 0 I | 0 I | 0 I | 10 | 3 | 5 | 5 | 5 I | 0 | 17 | 0 | 0 | 0 |
| | Ven | All | 68 | 45 I | 24 I | 45 I | 45 I | 0 | 0 I | 0 I | 0 I | 0 I | 68 | 45 | 24 | 45 I | 45 I | 0 | 0 | 0 | 0 | 0 |
| | | C | 0 | 0 | 0 | 0 I | 0 I | 0 | 0 I | 0 I | 0 I | 0 I | 0 | 0 | 0 | 0 I | 0 I | 0 | 0 | 0 | 0 | 0 |
| | | NC | 68 | 45 I | 24 I | 45 I | 45 I | 0 | 0 I | 0 I | 0 I | 0 I | 68 | 45 | 24 | 45 I | 45 I | 0 | 0 | 0 | 0 | 0 |
| | Ply | All | 15 | 27 I | 14 | 14 I | 14 I | 0 | 0 I | 0 I | 0 I | 0 I | 15 | 27 | 14 | 14 | 14 I | 0 | 0 | 0 | 0 | 0 |
| | | C | 0 | 0 | 0 | 0 I | 0 I | 0 | 0 I | 0 I | 0 I | 0 I | 0 | 0 | 0 | 0 | 0 I | 0 | 0 | 0 | 0 | 0 |
| | | NC | 15 | 27 I | 14 | 14 I | 14 I | 0 | 0 I | 0 I | 0 I | 0 I | 15 | 27 | 14 | 14 | 14 I | 0 | 0 | 0 | 0 | 0 |
| Fiji | Logs | All | 470 | 463 | 479 | 346 | 380 | 0 | 0 | 0 | 0 | 0 R | 0 | 1 C | 0 | 0 | 0 R | 470 | 463 | 479 | 346 | 380 |
| | | C | 390 | 356 | 368 | 240 | 260 | 0 | 0 | 0 | 0 | 0 R | 0 | 0 CR | 0 | 0 | 0 R | 390 | 356 | 368 | 240 | 260 |
| | | NC | 80 | 107 | 111 | 106 | 120 | 0 | 0 | 0 | 0 | 0 | 0 | 0 CR | 0 | 0 | 0 R | 80 | 107 | 111 | 106 | 120 |
| | Sawn | All | 64 | 72 | 72 | 85 | 84 | 0 R | 1 | 0 R | 0 R | 1 | 17 | 10 | 10 | 8 | 9 | 47 | 62 | 62 | 78 | 76 |
| | | C | 34 | 32 | 32 | 43 | 35 | 0 R | 1 | 0 R | 0 R | 1 | 0 | 3 | 6 | 3 | 3 | 34 | 29 | 27 | 40 | 33 |
| | | NC | 30 | 40 | 40 | 42 | 49 | 0 | 0 | 0 | 0 | 0 | 17 | 7 | 5 | 5 | 6 | 13 | 33 | 36 | 38 | 43 |
| | Ven | All | 4 | 3 | 4 I | 5 | 8 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 2 | 1 | 2 | 2 | 1 | 1 | 4 | 7 |
| | | C | 0 | 0 | 1 I | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 R | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | NC | 4 | 3 | 3 | 5 | 8 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 2 | 1 | 2 | 2 | 1 | 1 | 4 | 7 |
| | Ply | All | 7 | 9 | 10 I | 5 | 8 | 0 | 0 | 0 R | 0 R | 0 R | 4 | 4 | 4 | 5 | 6 | 3 | 5 | 6 | 0 | 3 |
| | | C | 0 | 0 | 1 I | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | NC | 7 | 9 | 9 | 5 | 8 | 0 | 0 | 0 R | 0 R | 0 R | 4 | 4 | 3 | 5 | 6 | 3 | 5 | 6 | 0 | 3 |
| India | Logs | All | 17350 I | 16500 I | 16046 I | 15500 I | 15500 I | 1976 C | 2103 C | 2623 C | 1650 G | 1650 I | 2 C | 1 C | 7 C | 10 G | 10 I | 19324 | 18602 | 18662 | 17140 | 17140 |
| | | C | 2538 I | 2500 I | 2546 F | 2500 I | 2500 I | 8 C | 23 C | 1 C | 2 G | 2 I | 0 C | 0 CR | 0 CR | 0 GR | 0 I | 2546 | 2523 | 2547 | 2501 | 2501 |
| | | NC | 14812 I | 14000 I | 13500 I | 13000 I | 13000 I | 1968 C | 2080 C | 2622 C | 1648 G | 1648 I | 2 C | 1 C | 7 C | 9 G | 9 I | 16778 | 16080 | 16116 | 14639 | 14639 |
| | Sawn | All | 8400 I | 7900 I | 129 | 188 | 188 I | 5 C | 129 C | 61 C | 43 G | 43 I | 0 CR | 6 C | 1 C | 5 G | 5 I | 8404 | 8023 | 189 | 226 | 226 |
| | | C | 1200 I | 1100 I | 124 | 183 | 183 I | 2 C | 125 C | 48 C | 27 G | 27 I | 0 CR | 1 C | 0 CR | 0 GR | 0 I | 1201 | 1225 | 172 | 210 | 210 |
| | | NC | 7200 I | 6800 I | 6 | 5 | 5 I | 3 C | 4 C | 13 C | 16 GW | 16 I | 0 CR | 6 C | 1 C | 5 G | 5 I | 7203 | 6798 | 17 | 16 | 16 |
| | Ven | All | 15 I | 15 I | 55 W | 55 I | 55 I | 3 C | 2 C | 4 C | 6 GI | 6 I | 3 C | 1 C | 2 | 5 GW | 5 I | 15 | 17 | 57 | 56 | 56 |
| | | C | 0 I | 0 I | 0 | 0 I | 0 I | 1 C | 1 C | 1 C | 2 GI | 2 I | 1 C | 0 CR | 0 CR | 2 GW | 2 I | 0 | 1 | 1 | 0 | 0 |
| | | NC | 15 I | 15 I | 55 W | 55 I | 55 I | 2 C | 1 C | 3 C | 4 GW | 4 I | 2 C | 1 C | 1 C | 3 GW | 3 I | 15 | 16 | 57 | 56 | 56 |
| | Ply | All | 315 I | 315 I | 315 I | 315 I | 315 I | 22 C | 15 I | 25 C | 13 I | 13 I | 55 C | 2 C | 64 C | 71 G | 71 I | 282 | 328 | 276 | 258 | 257 |
| | | C | 15 I | 15 I | 15 I | 15 I | 15 I | 1 C | 1 C | 3 C | 2 I | 2 I | 0 C | 0 C | 0 C | 11 GW | 11 I | 16 | 16 | 18 | 6 | 6 |
| | | NC | 300 I | 300 I | 300 I | 300 I | 300 I | 21 C | 14 I | 22 C | 11 I | 11 I | 55 C | 2 C | 64 C | 59 G | 59 I | 266 | 311 | 258 | 252 | 252 |

## Table 1-1-c. Production, Trade and Consumption of All Timber by ITTO Producers (1000 $m^3$)

| | | | Production | | | | | Imports | | | | | Exports | | | | | Domestic Consumption | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Country | Product | Species | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 |
| Indonesia | Logs | All | 33200 I | 36100 I | 35100 I | 30100 I | 28100 I | 217 | 171 W | 144 I | 180 W | 180 I | 269 | 1626 WI | 3493 WI | 602 I | 502 I | 33148 | 34645 | 31751 | 29678 | 27778 |
| | | C | 200 I | 100 I | 100 I | 100 I | 100 I | 125 | 40 W | 19 I | 24 W | 24 I | 10 I | 1 W | 17 W | 2 W | 2 I | 315 | 139 | 103 | 123 | 123 |
| | | NC | 33000 I | 36000 I | 35000 I | 30000 I | 28000 I | 92 | 132 W | 124 W | 156 W | 156 I | 259 * | 1625 WI | 3477 WI | 600 I | 500 I | 32833 | 34506 | 31648 | 29556 | 27656 |
| | Sawn | All | 6500 I | 6500 I | 6750 I | 6500 * | 6250 * | 65 | 122 W | 97 W | 144 W | 144 I | 1329 I | 1464 WI | 2465 WI | 2116 I | 2116 I | 5236 | 5158 | 4383 | 4528 | 4278 |
| | | C | 0 I | 0 I | 0 | 0 | 0 I | 46 | 87 W | 65 W | 107 W | 107 I | 29 C | 20 WI | 41 W | 16 W | 16 I | 18 | 67 | 24 | 91 | 91 |
| | | NC | 6500 I | 6500 * | 6750 I | 6500 * | 6250 * | 19 | 35 W | 32 W | 37 W | 37 I | 1300 I | 1443 WI | 2424 WI | 2100 I | 2100 I | 5219 | 5092 | 4358 | 4437 | 4187 |
| | Ven | All | 50 I | 69 I | 94 | 45 I | 45 I | 7 | 6 W | 7 W | 7 W | 7 I | 5 | 4 W | 7 W | 4 W | 4 I | 52 | 71 | 94 | 48 | 48 |
| | | C | 0 I | 0 | 0 | 0 | 0 I | 2 | 3 W | 4 W | 3 W | 3 I | 0 | 1 W | 2 W | 1 W | 1 I | 2 | 1 | 2 | 3 | 3 |
| | | NC | 50 I | 69 I | 94 | 45 I | 45 I | 5 | 3 W | 3 W | 4 W | 4 I | 5 | 3 W | 5 W | 4 W | 4 I | 50 | 69 | 92 | 45 | 45 |
| | Ply | All | 7500 I | 8200 * | 7300 * | 6550 I | 6550 I | 9 | 6 W | 3 W | 5 W | 5 I | 6291 C | 7768 * | 6003 WI | 5520 WI | 5520 I | 1218 | 438 | 1300 | 1035 | 1035 |
| | | C | 0 I | 0 | 0 | 0 | 0 I | 2 I | 5 W | 3 W | 1 W | 1 I | 0 I | 0 I | 0 I | 0 I | 0 I | 2 | 5 | 3 | 1 | 1 |
| | | NC | 7500 I | 8200 * | 7300 * | 6550 I | 6550 I | 7 I | 1 W | 1 W | 4 W | 4 I | 6291 C | 7768 * | 6003 WI | 5520 WI | 5520 I | 1216 | 433 | 1297 | 1034 | 1034 |
| Malaysia | Logs | All | 22238 I | 23497 | 19179 | 20973 | 19785 I | 604 | 855 | 766 | 430 | 183 | 6735 | 6801 | 5041 | 5092 | 5222 D | 16107 | 17551 | 14904 | 16311 | 14746 |
| | | C | 400 I | 667 | 469 | 319 | 300 I | 0 | 50 I | 18 | 12 | 0 | 0 | 0 I | 0 | 0 | 0 | 400 | 717 | 487 | 331 | 300 |
| | | NC | 21838 | 22830 | 18710 | 20654 | 19485 | 604 | 805 I | 748 | 418 | 183 | 6735 | 6801 I | 5041 | 5092 | 5222 D | 15707 | 16834 | 14417 | 15980 | 14446 |
| | Sawn | All | 5237 | 5590 | 4696 | 4643 | 4552 | 364 | 567 | 651 | 712 | 882 | 1863 | 2407 | 2562 | 2506 | 2372 | 3738 | 3750 | 2785 | 2849 | 3062 |
| | | C | 0 | 0 | 0 | 0 | 0 | 0 R | 20 I | 22 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 22 | 12 | 0 |
| | | NC | 5237 | 5590 | 4696 | 4643 | 4552 | 364 | 547 I | 629 | 700 | 882 | 1863 | 2407 | 2562 | 2506 | 2372 | 3738 | 3730 | 2763 | 2837 | 3062 |
| | Ven | All | 1008 | 1117 | 649 | 662 * | 655 | 68 | 79 | 53 | 161 | 60 | 959 | 934 | 656 | 601 | 576 | 117 | 262 | 46 | 222 | 139 |
| | | C | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | NC | 1008 | 1117 | 649 | 662 * | 655 | 68 | 79 | 53 | 161 | 60 | 959 | 934 | 656 | 601 | 576 | 117 | 262 | 46 | 222 | 139 |
| | Ply | All | 4123 | 4434 | 4318 | 4341 | 4267 | 45 | 42 | 29 | 17 | 12 | 3340 * | 3420 | 3517 | 3614 | 3700 | 828 | 1056 | 830 | 744 | 579 |
| | | C | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | NC | 4123 | 4434 | 4318 | 4341 | 4267 | 45 I | 42 | 29 | 17 | 12 | 3340 * | 3420 | 3517 | 3614 | 3700 | 828 | 1056 | 830 | 744 | 579 |
| Myanmar | Logs | All | 3347 | 3612 | 3962 | 2877 * | 3002 * | 0 | 0 | 0 I | 0 I | 0 I | 980 | 1115 | 1485 * | 867 * | 867 I | 2367 | 2497 | 2477 | 2010 | 2135 |
| | | C | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 I | 0 I | 0 I | 0 | 0 | 0 | 0 I | 0 I | 0 | 0 | 0 | 0 | 0 |
| | | NC | 3347 | 3612 | 3962 | 2877 * | 3002 * | 0 | 0 | 0 I | 0 I | 0 I | 980 | 1115 | 1485 * | 867 * | 867 I | 2367 | 2497 | 2477 | 2010 | 2135 |
| | Sawn | All | 298 | 545 | 671 | 381 * | 391 * | 0 | 0 | 0 I | 0 I | 0 I | 42 | 126 | 243 | 24 * | 27 * | 256 | 419 | 428 | 357 | 364 |
| | | C | 0 | 0 | 0 | 0 I | 0 I | 0 | 0 | 0 I | 0 I | 0 I | 0 | 0 | 0 | 0 I | 0 I | 0 | 0 | 0 | 0 | 0 |
| | | NC | 298 | 545 | 671 | 381 * | 391 * | 0 | 0 | 0 I | 0 I | 0 I | 42 | 126 | 243 | 24 * | 27 * | 256 | 419 | 428 | 357 | 364 |
| | Ven | All | 2 | 1 | 1 | 0 R | 1 I | 0 | 0 | 0 I | 0 I | 0 I | 0 R | 1 | 1 | 0 R | 0 I | 2 | 0 | 0 | 0 | 1 |
| | | C | 0 | 0 | 0 | 0 | 0 I | 0 | 0 | 0 I | 0 I | 0 I | 0 | 0 | 0 | 0 | 0 I | 0 | 0 | 0 | 0 | 0 |
| | | NC | 2 | 1 | 1 | 0 R | 1 I | 0 | 0 | 0 I | 0 I | 0 I | 0 R | 1 | 1 | 0 R | 0 I | 2 | 0 | 0 | 0 | 1 |
| | Ply | All | 8 | 55 | 53 | 19 | 20 I | 0 | 0 | 0 I | 0 I | 0 I | 2 | 46 | 45 | 5 | 5 I | 6 | 9 | 8 | 15 | 15 |
| | | C | 0 | 0 | 0 | 0 | 0 I | 0 | 0 | 0 I | 0 I | 0 I | 0 | 0 | 0 | 0 | 0 I | 0 | 0 | 0 | 0 | 0 |
| | | NC | 8 | 55 | 53 | 19 | 20 I | 0 | 0 | 0 I | 0 I | 0 I | 2 | 46 | 45 | 5 | 5 I | 6 | 9 | 8 | 15 | 15 |

## Table 1-1-c. Production, Trade and Consumption of All Timber by ITTO Producers (1000 $m^3$)

| | | | Production | | | | | Imports | | | | | Exports | | | | | Domestic Consumption | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Country | Product | Species | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 |
| Papua New Guinea | Logs | All | 2120 | 2184 | 1708 | 1950 I | 2150 I | 0 CR | 0 C | 0 I | 0 I | 0 I | 1988 I | 1993 | 1556 * | 1854 * | 1983 D | 132 | 192 | 152 | 96 | 167 |
| | | C | 20 I | 50 | 50 | 50 | 50 I | 0 CR | 0 CR | 0 I | 0 I | 0 I | 4 C | 0 | 0 | 0 | 0 | 16 | 50 | 50 | 50 | 50 |
| | | NC | 2100 I | 2134 | 1658 | 1900 I | 2100 I | 0 CR | 0 CR | 0 I | 0 I | 0 I | 1984 | 1993 | 1556 * | 1854 * | 1983 D | 116 | 141 | 102 | 46 | 117 |
| | Sawn | All | 40 I | 50 I | 50 I | 50 | 70 I | 0 C | 0 CR | 0 I | 0 I | 0 I | 20 | 30 I | 40 * | 40 I | 40 I | 20 | 20 | 10 | 10 | 30 |
| | | C | 10 I | 10 I | 10 I | 10 I | 10 I | 0 C | 0 C | 0 I | 0 I | 0 I | 1 C | 0 | 0 | 0 I | 0 I | 9 | 10 | 10 | 10 | 10 |
| | | NC | 30 I | 40 I | 40 I | 40 I | 60 I | 0 C | 0 CR | 0 I | 0 I | 0 I | 19 I | 30 I | 40 * | 40 I | 40 I | 11 | 10 | 0 | 0 | 20 |
| | Ven | All | 5 I | 20 | 68 I | 35 I | 35 I | 0 CR | 0 C | 0 I | 0 I | 0 I | 2 C | 20 | 68 * | 35 I | 35 I | 4 | 0 | 0 | 0 | 0 |
| | | C | 0 I | 0 | 0 I | 0 I | 0 I | 0 CR | 0 C | 0 I | 0 I | 0 I | 0 C | 0 | 0 | 0 I | 0 I | 0 | 0 | 0 | 0 | 0 |
| | | NC | 5 I | 20 | 68 I | 35 I | 35 I | 0 C | 0 C | 0 I | 0 I | 0 I | 2 C | 20 | 68 * | 35 I | 35 I | 3 | 0 | 0 | 0 | 0 |
| | Ply | All | 10 I | 9 I | 9 I | 9 I | 5 | 0 CR | 0 C | 0 I | 0 I | 0 I | 7 C | 0 R | 1 | 3 | 3 I | 3 | 9 | 8 | 6 | 2 |
| | | C | 0 I | 4 | 4 | 4 I | 0 I | 0 CR | 0 C | 0 I | 0 I | 0 I | 0 R | 0 R | 1 | 3 | 0 I | 0 | 4 | 3 | 1 | 0 |
| | | NC | 10 I | 5 I | 5 I | 5 I | 5 I | 0 CR | 0 C | 0 I | 0 I | 0 I | 7 C | 0 | 0 | 0 | 3 I | 3 | 5 | 5 | 5 | 2 |
| Philippines | Logs | All | 730 | 800 | 401 | 403 | 364 | 584 | 585 | 551 | 434 | 442 | 0 R | 0 | 5 | 2 I | 16 | 1314 | 1385 | 947 | 835 | 790 |
| | | C | 0 | 0 | 0 | 0 | 0 | 26 | 41 | 53 | 50 | 50 I | 0 | 0 R | 5 | 1 | 0 | 26 | 41 | 48 | 48 | 50 |
| | | NC | 730 | 800 | 401 | 403 | 364 | 558 | 543 | 498 | 384 | 392 I | 0 R | 0 | 0 R | 1 | 16 | 1288 | 1343 | 899 | 786 | 740 |
| | Sawn | All | 288 | 151 | 199 | 155 | 151 | 381 | 359 | 371 | 401 | 514 | 69 | 120 | 105 | 91 | 98 | 600 | 389 | 465 | 465 | 567 |
| | | C | 0 | 0 | 0 | 0 | 0 | 46 | 46 | 91 | 85 | 150 I | 0 R | 0 | 8 | 0 R | 0 | 45 | 46 | 83 | 85 | 150 |
| | | NC | 288 | 151 | 199 | 155 | 151 | 336 | 313 | 280 | 316 | 364 I | 69 | 120 | 97 | 91 | 98 | 555 | 343 | 381 | 381 | 417 |
| | Ven | All | 89 | 178 | 219 | 205 | 294 | 139 | 123 | 114 | 78 | 90 | 5 | 5 | 3 | 6 | 6 | 223 | 296 | 330 | 277 | 378 |
| | | C | 0 | 0 | 0 | 0 | 0 | 6 | 15 | 4 | 9 | 5 I | 0 R | 0 R | 1 | 3 | 0 | 6 | 15 | 3 | 5 | 5 |
| | | NC | 89 | 178 | 219 | 205 | 294 | 133 | 108 | 110 | 70 | 85 I | 4 | 5 | 2 | 3 | 6 | 218 | 282 | 327 | 272 | 373 |
| | Ply | All | 243 | 326 | 348 | 409 | 371 | 5 | 5 | 8 | 42 | 42 | 12 | 11 | 7 | 22 | 29 | 236 | 320 | 349 | 429 | 384 |
| | | C | 0 | 0 | 0 | 0 | 0 | 1 I | 4 | 5 | 23 | 23 I | 0 | 3 | 1 | 8 | 0 | 1 | 2 | 3 | 16 | 23 |
| | | NC | 243 | 326 | 348 | 409 | 371 | 4 | 0 R | 4 | 19 | 19 I | 12 | 8 | 5 | 14 | 29 | 235 | 318 | 346 | 414 | 361 |
| Thailand | Logs | All | 4980 * | 6262 | 7800 | 7800 | 7800 I | 466 | 487 | 517 | 641 | 673 I | 0 | 0 R | 1 | 3 | 3 I | 5446 | 6749 | 8316 | 8438 | 8470 |
| | | C | 0 | 0 | 0 | 0 | 0 | 20 | 34 | 37 | 32 | 34 I | 0 | 0 | 0 | 0 | 0 I | 20 | 34 | 37 | 32 | 34 |
| | | NC | 4980 * | 6262 | 7800 | 7800 | 7800 I | 446 | 453 | 480 | 609 | 639 I | 0 | 0 R | 1 | 3 | 3 I | 5426 | 6715 | 8279 | 8406 | 8436 |
| | Sawn | All | 147 I | 220 | 233 | 270 | 270 I | 1007 | 1020 | 1285 | 1924 | 2020 I | 175 | 311 | 403 | 784 I | 1001 I | 979 | 929 | 1115 | 1410 | 1289 |
| | | C | 10 I | 17 | 18 | 0 | 0 I | 82 | 98 | 98 | 118 | 124 I | 0 | 0 R | 3 | 4 | 1 I | 92 | 115 | 113 | 114 | 123 |
| | | NC | 137 | 203 | 215 | 270 | 270 I | 925 | 922 | 1187 | 1806 | 1896 I | 174 | 311 | 400 | 780 C | 1000 I | 888 | 814 | 1002 | 1296 | 1166 |
| | Ven | All | 3 | 4 | 3 | 3 | 5 I | 14 | 15 | 12 | 18 | 19 I | 2 | 2 | 2 | 2 | 2 I | 15 | 17 | 13 | 19 | 22 |
| | | C | 0 | 0 | 0 | 0 | 0 I | 0 R | 0 | 0 | 0 | 0 I | 0 | 0 R | 0 | 0 | 0 I | 0 | 0 | 0 | 0 | 0 |
| | | NC | 3 | 4 | 3 | 3 | 5 I | 14 | 15 | 12 | 18 | 19 I | 2 | 2 | 2 | 2 | 2 I | 15 | 17 | 13 | 19 | 22 |
| | Ply | All | 82 | 93 | 107 | 120 | 120 I | 21 | 48 | 8 | 22 | 23 I | 24 I | 40 | 3 | 3 | 3 I | 79 | 101 | 112 | 139 | 140 |
| | | C | 0 | 1 | 1 | 0 | 0 I | 20 | 7 | 0 | 0 | 0 I | 20 I | 3 | 0 | 0 | 0 I | 0 | 5 | 1 | 0 | 0 |
| | | NC | 82 | 92 | 106 | 120 | 120 I | 0 R | 41 | 8 | 22 | 23 I | 4 | 37 | 3 | 3 | 3 I | 79 | 96 | 111 | 139 | 140 |

## Table 1-1-c. Production, Trade and Consumption of All Timber by ITTO Producers (1000 $m^3$)

| | | | Production | | | | | Imports | | | | | Exports | | | | | Domestic Consumption | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Country | Product | Species | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 |
| Vanuatu | Logs | All | 41 | 40 | 50 I | 30 I | 30 I | 0 | 0 | 0 | 0 | 0 I | 0 R | 0 | 0 | 1 | 1 I | 41 | 40 | 50 | 29 | 29 |
| | | C | 0 | 0 | 0 | 0 | 0 I | 0 | 0 | 0 | 0 | 0 I | 0 | 0 | 0 | 0 | 0 I | 0 | 0 | 0 | 0 | 0 |
| | | NC | 41 | 40 | 50 I | 30 I | 30 I | 0 | 0 | 0 | 0 | 0 I | 0 R | 0 | 0 | 1 | 1 I | 41 | 40 | 50 | 29 | 29 |
| | Sawn | All | 18 | 18 | 28 | 14 | 14 I | 0 | 0 | 0 R | 1 | 1 I | 12 | 10 | 12 | 11 | 11 I | 6 | 8 | 16 | 4 | 4 |
| | | C | 0 | 0 | 0 | 0 | 0 I | 0 | 0 | 0 R | 1 | 1 I | 0 | 0 | 0 | 0 | 0 I | 0 | 0 | 0 | 1 | 1 |
| | | NC | 18 | 18 | 28 | 14 | 14 I | 0 | 0 | 0 R | 0 | 0 I | 12 | 10 | 12 | 11 | 11 I | 6 | 8 | 16 | 3 | 3 |
| | Ven | All | 0 | 0 | 0 | 0 | 0 I | 0 | 0 | 1 | 0 | 0 I | 0 | 0 | 0 | 0 | 0 I | 0 | 0 | 1 | 0 | 0 |
| | | C | 0 | 0 | 0 | 0 | 0 I | 0 | 0 | 1 | 0 | 0 I | 0 | 0 | 0 | 0 | 0 I | 0 | 0 | 1 | 0 | 0 |
| | | NC | 0 | 0 | 0 | 0 | 0 I | 0 | 0 | 0 R | 0 | 0 I | 0 | 0 | 0 | 0 | 0 I | 0 | 0 | 0 | 0 | 0 |
| | Ply | All | 0 | 0 | 0 | 0 | 0 I | 0 | 0 | 0 R | 1 | 1 I | 0 | 0 | 0 | 0 | 0 I | 0 | 0 | 0 | 1 | 1 |
| | | C | 0 | 0 | 0 | 0 | 0 I | 0 | 0 | 0 R | 1 | 1 I | 0 | 0 | 0 | 0 | 0 I | 0 | 0 | 0 | 1 | 1 |
| | | NC | 0 | 0 | 0 | 0 | 0 I | 0 | 0 | 0 R | 0 | 0 I | 0 | 0 | 0 | 0 | 0 I | 0 | 0 | 0 | 0 | 0 |
| | **Logs** | **All** | **114215** | **115847** | **117718** | **118649** | **118695** | **36** | **55** | **122** | **53** | **50** | **670** | **948** | **687** | **822** | **793** | **113580** | **114954** | **117153** | **117880** | **117952** |
| | | **C** | **42264** | **42626** | **42783** | **43345** | **43213** | **12** | **11** | **17** | **13** | **11** | **304** | **548** | **481** | **439** | **439** | **41972** | **42089** | **42319** | **42919** | **42785** |
| | | **NC** | **71951** | **73220** | **74935** | **75304** | **75482** | **24** | **44** | **105** | **40** | **39** | **366** | **400** | **205** | **383** | **354** | **71609** | **72865** | **74835** | **74960** | **75167** |
| | **Sawn** | **All** | **25875** | **26273** | **24030** | **25062** | **25945** | **289** | **258** | **264** | **345** | **315** | **2291** | **2400** | **2603** | **3232** | **3218** | **23872** | **24131** | **21691** | **22175** | **23043** |
| | | **C** | **7656** | **8570** | **6856** | **7294** | **7602** | **97** | **55** | **88** | **133** | **127** | **1190** | **1285** | **1395** | **1856** | **1842** | **6562** | **7340** | **5550** | **5572** | **5887** |
| **Latin America/ Caribbean** | | **NC** | **18219** | **17703** | **17174** | **17768** | **18343** | **192** | **203** | **176** | **212** | **189** | **1101** | **1115** | **1208** | **1376** | **1376** | **17310** | **16791** | **16142** | **16603** | **17156** |
| | **Ven** | **All** | **815** | **738** | **736** | **731** | **726** | **22** | **26** | **26** | **13** | **15** | **118** | **91** | **68** | **268** | **268** | **719** | **673** | **694** | **475** | **472** |
| | | **C** | **447** | **317** | **317** | **317** | **317** | **3** | **4** | **1** | **6** | **5** | **42** | **29** | **18** | **100** | **100** | **408** | **292** | **300** | **224** | **222** |
| | | **NC** | **368** | **421** | **419** | **414** | **409** | **18** | **22** | **25** | **7** | **9** | **76** | **62** | **50** | **169** | **169** | **310** | **382** | **394** | **252** | **250** |
| | **Ply** | **All** | **2507** | **3686** | **2665** | **3128** | **3127** | **55** | **84** | **102** | **103** | **72** | **1271** | **1151** | **1551** | **1949** | **1939** | **1292** | **2619** | **1216** | **1283** | **1260** |
| | | **C** | **1355** | **1722** | **1322** | **1826** | **1830** | **25** | **43** | **46** | **67** | **43** | **633** | **529** | **559** | **1068** | **1068** | **747** | **1236** | **809** | **825** | **805** |
| | | **NC** | **1152** | **1964** | **1343** | **1302** | **1297** | **30** | **41** | **56** | **37** | **29** | **638** | **622** | **993** | **880** | **871** | **544** | **1383** | **406** | **459** | **455** |
| Bolivia | Logs | All | 502 | 496 | 559 | 544 | 637 | 1 | 1 | 1 | 1 | 1 | 3 | 3 | 1 | 2 | 2 | 500 | 494 | 559 | 543 | 636 |
| | | C | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | NC | 502 | 496 | 559 | 544 | 637 | 1 | 1 | 1 | 1 | 1 | 3 | 3 | 1 | 2 | 2 | 500 | 494 | 559 | 543 | 636 |
| | Sawn | All | 244 | 239 | 308 | 299 | 351 | 5 | 5 | 1 | 2 | 2 | 42 | 43 | 43 | 34 | 41 | 207 | 201 | 266 | 267 | 311 |
| | | C | 0 | 0 | 0 | 0 | 0 | 4 | 4 | 0 R | 0 R | 0 R | 0 | 0 | 0 | 0 | 0 | 4 | 4 | 0 | 0 | 0 |
| | | NC | 244 | 239 | 308 | 299 | 351 | 1 | 1 | 1 | 1 | 1 | 42 | 43 | 43 | 34 | 41 | 203 | 197 | 266 | 267 | 310 |
| | Ven | All | 1 | 2 | 4 | 4 | 4 | 0 R | 0 R | 0 R | 0 R | 0 | 1 | 2 | 2 | 1 | 1 | 0 | 0 | 2 | 3 | 3 |
| | | C | 0 | 0 | 0 | 0 | 0 | 0 R | 0 | 0 R | 0 R | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | NC | 1 | 2 | 4 | 4 | 4 | 0 R | 0 R | 0 R | 0 R | 0 | 1 | 2 | 2 | 1 | 1 | 0 | 0 | 2 | 3 | 3 |
| | Ply | All | 4 | 4 | 4 | 4 | 4 | 0 | 0 | 0 | 0 | 0 R | 1 | 0 | 0 R | 0 R | 0 R | 3 | 4 | 4 | 4 | 4 |
| | | C | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 R | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | NC | 4 | 4 | 4 | 4 | 4 | 0 | 0 | 0 | 0 | 0 R | 1 | 0 | 0 R | 0 R | 0 R | 3 | 4 | 4 | 4 | 4 |

## Table 1-1-c. Production, Trade and Consumption of All Timber by ITTO Producers (1000 $m^3$)

| Country | Product | Species | Production | | | | | Imports | | | | | Exports | | | | | Domestic Consumption | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 |
| Brazil | Logs | All | 100395 * | 102994 * | 105000 I | 105000 I | 105000 I | 24 W | 25 W | 90 W | 41 G | 41 I | 442 W | 740 W | 584 W | 685 G | 685 I | 99977 | 102279 | 104506 | 104356 | 104356 |
| | | C | 38561 * | 39666 * | 40000 I | 40000 I | 40000 I | 9 W | 8 W | 8 W | 7 G | 7 I | 303 W | 529 W | 480 W | 438 G | 438 I | 38267 | 39145 | 39528 | 39569 | 39569 |
| | | NC | 61834 * | 63328 * | 65000 I | 65000 I | 65000 I | 15 W | 17 W | 82 W | 34 G | 34 I | 139 W | 212 W | 104 W | 247 G | 247 I | 61710 | 63134 | 64978 | 64787 | 64787 |
| | Sawn | All | 21730 I | 23100 | 20850 I | 21700 I | 22572 I | 145 W | 159 W | 167 W | 195 G | 195 I | 1944 W | 2039 W | 2162 W | 2723 G | 2723 I | 19930 | 21220 | 18855 | 19172 | 20044 |
| | | C | 6730 * | 7800 | 6050 * | 6400 * | 6660 * | 0 RW | 1 W | 5 W | 28 G | 28 I | 1015 W | 1103 W | 1148 W | 1574 G | 1574 I | 5715 | 6698 | 4907 | 4854 | 5114 |
| | | NC | 15000 I | 15300 | 14800 I | 15300 I | 15912 I | 145 W | 158 W | 161 W | 167 G | 167 I | 929 W | 936 W | 1013 W | 1148 G | 1148 I | 14216 | 14522 | 13948 | 14318 | 14930 |
| | Ven | All | 700 I | 620 I | 620 I | 620 I | 620 I | 14 W | 19 W | 18 W | 7 W | 7 I | 109 W | 78 W | 58 W | 260 G | 260 I | 605 | 561 | 580 | 366 | 366 |
| | | C | 380 I | 250 I | 250 I | 250 I | 250 I | 0 RW | 1 W | 0 W | 2 W | 2 I | 42 W | 28 W | 18 W | 99 G | 99 I | 338 | 223 | 232 | 152 | 152 |
| | | NC | 320 I | 370 I | 370 I | 370 I | 370 I | 14 W | 18 W | 18 W | 5 W | 5 I | 67 W | 50 W | 39 W | 161 G | 161 I | 267 | 338 | 348 | 214 | 214 |
| | Ply | All | 2200 * | 3370 | 2300 * | 2800 I | 2800 I | 1 | 1 W | 2 W | 4 G | 4 I | 1128 | 964 W | 1377 W | 1810 * | 1810 I | 1073 | 2408 | 925 | 994 | 994 |
| | | C | 1320 * | 1700 I | 1300 * | 1800 I | 1800 I | 0 | 0 I | 0 I | 3 G | 3 I | 620 | 523 W | 551 I | 1063 * | 1063 I | 700 | 1177 | 749 | 740 | 740 |
| | | NC | 880 * | 1670 I | 1000 * | 1000 I | 1000 I | 1 I | 1 I | 2 I | 1 G | 1 I | 508 | 440 W | 826 I | 747 * | 747 I | 373 | 1231 | 175 | 254 | 254 |
| Colombia | Logs | All | 2397 | 2164 | 1741 | 2011 | 1991 I | 1 | 0 R | 0 R | 0 R | 0 R | 17 | 21 | 13 | 19 | 14 | 2381 | 2143 | 1728 | 1993 | 1977 |
| | | C | 554 | 373 | 225 | 355 | 164 I | 0 | 0 | 0 | 0 R | 0 | 0 | 0 R | 0 R | 0 | 0 R | 554 | 373 | 225 | 355 | 164 |
| | | NC | 1842 | 1791 | 1516 | 1656 | 1826 | 1 | 0 R | 0 R | 0 R | 0 R | 17 | 21 | 13 | 19 | 14 | 1826 | 1770 | 1503 | 1638 | 1813 |
| | Sawn | All | 729 | 587 | 539 | 527 | 497 | 7 | 2 | 0 R | 18 | 5 | 9 | 5 | 4 | 16 | 5 | 727 | 585 | 536 | 528 | 497 |
| | | C | 31 | 20 | 18 | 18 | 17 | 0 R | 0 R | 0 R | 18 | 5 | 0 CR | 0 R | 0 R | 13 | 5 | 31 | 20 | 18 | 23 | 17 |
| | | NC | 699 | 567 | 521 | 509 | 480 | 6 | 2 | 0 R | 0 R | 0 R | 9 | 5 | 4 | 3 | 0 R | 696 | 565 | 518 | 506 | 480 |
| | Ven | All | 1 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 R | 0 R | 0 I | 0 R | 2 | 3 | 2 | 2 | 1 |
| | | C | 0 | 0 | 0 | 0 | 0 | 0 R | 1 | 0 R | 0 R | 0 R | 0 | 0 | 0 | 0 I | 0 R | 0 | 1 | 0 | 0 | 0 |
| | | NC | 1 | 2 | 2 | 1 | 1 | 0 R | 0 R | 0 R | 0 R | 0 R | 0 | 0 R | 0 R | 0 R | 0 | 2 | 2 | 2 | 1 | 1 |
| | Ply | All | 29 | 31 | 29 | 33 | 31 | 6 | 5 | 5 | 4 | 1 | 6 | 4 | 4 | 6 | 3 | 28 | 32 | 29 | 31 | 30 |
| | | C | 0 | 0 | 0 | 0 | 0 | 0 R | 0 R | 1 | 1 | 1 | 0 CR | 0 R | 0 R | 0 R | 0 | 0 | 0 | 1 | 1 | 1 |
| | | NC | 29 | 31 | 29 | 33 | 31 | 5 | 4 | 4 | 3 | 1 | 6 | 4 | 4 | 6 | 3 | 28 | 31 | 28 | 30 | 29 |
| Ecuador | Logs | All | 5719 F | 5715 | 6350 | 6350 I | 6350 I | 0 C | 0 R | 0 CR | 0 I | 0 I | 141 C | 108 | 25 I | 25 I | 25 I | 5578 | 5607 | 6324 | 6325 | 6325 |
| | | C | 969 F | 965 | 1072 | 1072 I | 1072 I | 0 C | 0 | 0 CR | 0 I | 0 I | 0 CR | 17 | 0 CR | 0 I | 0 I | 969 | 948 | 1072 | 1072 | 1072 |
| | | NC | 4750 F | 4750 | 5278 | 5278 I | 5278 I | 0 C | 0 R | 0 CR | 0 I | 0 I | 141 C | 91 | 25 I | 25 I | 25 I | 4609 | 4659 | 5253 | 5253 | 5253 |
| | Sawn | All | 1455 F | 714 | 794 | 750 I | 750 I | 0 CR | 0 R | 0 CR | 0 I | 0 I | 21 C | 15 | 21 C | 21 I | 21 I | 1434 | 699 | 773 | 729 | 729 |
| | | C | 291 F | 121 | 134 | 150 I | 150 I | 0 C | 0 R | 0 CR | 0 I | 0 I | 1 C | 1 | 1 C | 1 I | 1 I | 290 | 120 | 133 | 149 | 149 |
| | | NC | 1164 F | 594 | 660 | 600 I | 600 I | 0 CR | 0 I | 0 CR | 0 I | 0 I | 20 C | 14 | 20 C | 20 I | 20 I | 1144 | 579 | 639 | 580 | 580 |
| | Ven | All | 55 F | 55 F | 55 I | 55 I | 55 I | 0 C | 0 R | 1 C | 0 I | 0 I | 0 CR | 0 R | 0 CR | 0 I | 0 I | 55 | 55 | 55 | 55 | 55 |
| | | C | 50 I | 50 I | 50 I | 50 I | 50 I | 0 CR | 0 R | 0 CR | 0 I | 0 I | 0 CR | 0 R | 0 CR | 0 I | 0 I | 50 | 50 | 50 | 50 | 50 |
| | | NC | 5 I | 5 I | 5 I | 5 I | 5 I | 0 CR | 0 I | 0 CR | 0 I | 0 I | 0 CR | 0 R | 0 CR | 0 I | 0 I | 5 | 5 | 5 | 5 | 5 |
| | Ply | All | 109 F | 109 F | 109 I | 90 I | 90 I | 0 C | 0 R | 0 CR | 0 I | 0 I | 40 I | 75 C | 68 C | 68 I | 68 I | 69 | 34 | 42 | 22 | 22 |
| | | C | 5 I | 5 I | 5 I | 5 I | 5 I | 0 CR | 0 R | 0 CR | 0 I | 0 I | 4 I | 0 C | 0 I | 0 I | 0 I | 1 | 5 | 5 | 5 | 5 |
| | | NC | 104 I | 104 I | 104 I | 85 I | 85 I | 0 C | 0 I | 0 CR | 0 I | 0 I | 36 I | 75 C | 68 C | 68 I | 68 I | 68 | 29 | 37 | 17 | 17 |

## Table 1-1-c. Production, Trade and Consumption of All Timber by ITTO Producers (1000 $m^3$)

| | | | Production | | | | | Imports | | | | | Exports | | | | | Domestic Consumption | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Country | Product | Species | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 |
| Guatemala | Logs | All | 506 | 466 | 425 | 492 | 492 I | 5 I | 0 CR | 0 CR | 0 I | 0 I | 1 | 2 | 1 | 1 | 1 I | 510 | 464 | 424 | 491 | 491 |
| | | C | 406 F | 374 F | 340 I | 392 I | 392 I | 3 I | 0 CR | 0 CR | 0 I | 0 I | 1 | 2 | 1 | 1 I | 1 I | 408 | 372 | 339 | 391 | 391 |
| | | NC | 100 F | 93 F | 85 I | 100 I | 100 I | 2 I | 0 CR | 0 CR | 0 CR | 0 I | 0 R | 0 R | 0 | 0 | 0 I | 102 | 92 | 85 | 100 | 100 |
| | Sawn | All | 235 I | 200 I | 190 I | 200 I | 200 I | 44 I | 1 C | 0 CR | 1 C | 1 I | 41 | 45 | 67 | 32 | 32 I | 238 | 155 | 123 | 169 | 169 |
| | | C | 195 I | 160 I | 155 I | 160 I | 160 I | 32 I | 0 CR | 0 CR | 1 C | 1 I | 36 | 35 | 52 | 18 | 18 I | 190 | 125 | 103 | 143 | 143 |
| | | NC | 40 I | 40 I | 35 I | 40 I | 40 I | 13 I | 0 CR | 0 CR | 0 CR | 0 I | 5 | 10 | 15 | 15 I | 15 I | 48 | 31 | 21 | 26 | 26 |
| | Ven | All | 19 F | 19 F | 19 I | 19 I | 19 I | 2 I | 0 CR | 0 CR | 0 CR | 0 I | 0 CR | 2 | 0 R | 1 | 1 I | 21 | 18 | 19 | 18 | 18 |
| | | C | 17 I | 17 I | 17 I | 17 I | 17 I | 0 I | 0 CR | 0 CR | 0 CR | 0 I | 0 CR | 1 I | 0 | 0 | 0 I | 17 | 16 | 17 | 17 | 17 |
| | | NC | 2 I | 2 I | 2 I | 2 I | 2 I | 2 I | 0 CR | 0 CR | 0 CR | 0 I | 0 CR | 1 I | 0 R | 1 I | 1 I | 4 | 1 | 2 | 1 | 1 |
| | Ply | All | 20 F | 20 F | 20 I | 20 I | 20 I | 7 I | 2 | 6 C | 3 C | 3 I | 3 C | 1 C | 5 | 0 R | 0 I | 24 | 21 | 21 | 23 | 23 |
| | | C | 10 I | 10 I | 10 I | 10 I | 10 I | 4 I | 0 CR | 0 CR | 0 CR | 0 I | 2 C | 0 C | 0 | 0 I | 0 I | 12 | 10 | 10 | 10 | 10 |
| | | NC | 10 I | 10 I | 10 I | 10 I | 10 I | 3 I | 1 C | 6 C | 3 C | 3 I | 0 CR | 1 C | 5 I | 0 I | 0 I | 13 | 11 | 10 | 13 | 13 |
| Guyana | Logs | All | 435 | 289 | 312 | 298 | 300 I | 0 | 0 | 0 | 0 R | 0 | 48 | 54 | 41 | 56 | 38 | 388 | 235 | 271 | 242 | 262 |
| | | C | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 R | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | NC | 435 | 289 | 312 | 298 | 300 I | 0 | 0 | 0 | 0 | 0 | 48 | 54 | 41 | 56 | 38 | 388 | 235 | 271 | 242 | 262 |
| | Sawn | All | 50 * | 29 | 30 | 35 I | 30 D | 0 | 0 RI | 0 | 0 R | 0 | 22 | 19 | 23 | 33 | 28 | 28 | 10 | 7 | 2 | 2 |
| | | C | 0 | 0 | 0 | 0 | 0 I | 0 | 0 RI | 0 | 0 R | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | NC | 50 * | 29 | 30 | 35 I | 30 D | 0 | 0 | 0 | 0 | 0 | 22 | 19 | 23 | 33 | 28 | 28 | 10 | 7 | 2 | 2 |
| | Ven | All | 0 | 0 | 0 | 0 | 0 I | 1 | 0 RI | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| | | C | 0 | 0 | 0 | 0 | 0 I | 1 I | 0 RI | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| | | NC | 0 | 0 | 0 | 0 | 0 I | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Ply | All | 87 | 92 | 70 I | 51 | 51 I | 0 | 0 | 0 | 25 | 0 | 76 | 87 | 70 | 47 | 41 | 10 | 5 | 0 | 29 | 11 |
| | | C | 0 | 0 | 0 | 0 | 0 I | 0 | 0 | 0 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25 | 0 |
| | | NC | 87 | 92 | 70 I | 51 | 51 I | 0 | 0 | 0 | 0 | 0 | 76 | 87 | 70 | 47 | 41 | 10 | 5 | 0 | 4 | 11 |
| Honduras | Logs | All | 853 | 756 | 832 | 971 | 1000 | 0 R | 0 | 0 | 0 R | 0 R | 0 | 0 | 0 | 0 | 0 I | 853 | 756 | 832 | 971 | 1000 |
| | | C | 821 | 744 | 817 | 949 | 975 | 0 | 0 | 0 | 0 R | 0 R | 0 | 0 | 0 | 0 | 0 I | 821 | 744 | 817 | 949 | 975 |
| | | NC | 32 | 12 | 15 | 22 | 25 | 0 R | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 I | 32 | 12 | 15 | 22 | 25 |
| | Sawn | All | 404 | 437 | 412 | 470 | 525 | 5 | 6 | 6 | 14 | 15 | 130 | 139 | 184 | 189 | 189 I | 279 | 304 | 234 | 295 | 351 |
| | | C | 389 I | 432 I | 405 I | 460 I | 515 I | 5 | 5 | 5 | 13 | 15 | 130 | 139 | 184 | 189 | 189 I | 264 | 298 | 226 | 284 | 341 |
| | | NC | 15 I | 5 I | 7 I | 10 I | 10 I | 0 R | 0 R | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 I | 15 | 5 | 8 | 11 | 10 |
| | Ven | All | 0 | 0 | 0 | 0 | 0 | 0 R | 0 R | 0 R | 0 R | 0 R | 0 | 0 | 0 | 0 | 0 I | 0 | 0 | 0 | 0 | 0 |
| | | C | 0 | 0 | 0 | 0 | 0 | 0 R | 0 R | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 I | 0 | 0 | 0 | 0 | 0 |
| | | NC | 0 | 0 | 0 | 0 | 0 | 0 R | 0 R | 0 R | 0 R | 0 R | 0 | 0 | 0 | 0 | 0 I | 0 | 0 | 0 | 0 | 0 |
| | Ply | All | 20 | 7 | 7 | 11 | 15 | 1 | 1 | 1 | 2 | 2 | 6 | 6 | 7 | 5 | 5 I | 15 | 2 | 1 | 8 | 12 |
| | | C | 20 | 7 | 7 | 11 | 15 | 1 | 1 | 1 | 1 | 2 | 6 | 6 | 7 | 5 | 5 I | 15 | 2 | 1 | 7 | 12 |
| | | NC | 0 | 0 | 0 | 0 | 0 | 0 R | 0 | 0 R | 0 R | 1 | 0 | 0 | 0 | 0 | 0 I | 0 | 0 | 0 | 0 | 1 |

## Table 1-1-c. Production, Trade and Consumption of All Timber by ITTO Producers (1000 $m^3$)

| | | | Production | | | | | Imports | | | | | Exports | | | | | Domestic Consumption | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Country | Product | Species | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 |
| Panama | Logs | All | 48 | 63 | 73 | 151 | 192 | 0 R | 1 | 6 | 4 C | 0 CR | 1 | 4 | 7 | 4 I | 9 | 47 | 60 | 71 | 151 | 183 |
| | | C | 2 | 3 | 1 I | 0 | 0 | 0 | 1 | 3 | 4 C | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 4 | 4 | 0 |
| | | NC | 46 | 60 | 72 I | 151 | 192 | 0 R | 0 R | 3 | 0 CR | 0 CR | 1 | 4 I | 7 | 4 I | 9 | 45 | 56 | 68 | 148 | 183 |
| | Sawn | All | 28 I | 27 I | 4 | 24 | 6 | 4 | 6 | 5 | 5 C | 1 | 0 R | 0 | 4 | 6 | 3 | 31 | 33 | 5 | 23 | 5 |
| | | C | 2 | 2 | 0 R | 0 R | 0 | 3 | 5 | 3 | 5 C | 1 | 0 R | 0 | 0 R | 0 | 0 | 5 | 7 | 3 | 5 | 2 |
| | | NC | 26 I | 25 I | 4 | 24 | 6 | 0 R | 1 | 1 | 0 CR | 0 CR | 0 R | 0 | 4 | 5 | 3 I | 26 | 26 | 1 | 19 | 3 |
| | Ven | All | 2 | 4 | 0 | 1 | 1 | 0 R | 0 R | 6 | 0 I | 0 CR | 0 R | 0 | 0 | 0 | 0 | 2 | 4 | 6 | 1 | 1 |
| | | C | 0 | 0 | 0 | 0 | 0 | 0 | 0 R | 0 | 0 I | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | NC | 2 | 4 | 0 | 1 | 1 | 0 R | 0 R | 6 I | 0 CR | 0 CR | 0 R | 0 | 0 | 0 | 0 | 2 | 4 | 6 | 1 | 1 |
| | Ply | All | 0 | 4 | 0 | 0 | 0 | 5 | 8 | 22 I | 8 C | 3 | 0 R | 0 | 0 | 0 | 0 | 5 | 12 | 22 | 8 | 3 |
| | | C | 0 | 0 | 0 | 0 | 0 | 0 R | 4 | 2 | 2 C | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 2 | 2 | 0 |
| | | NC | 0 | 4 | 0 | 0 | 0 | 4 | 4 | 20 I | 6 C | 3 I | 0 R | 0 | 0 | 0 | 0 | 4 | 8 | 20 | 6 | 3 |
| Peru | Logs | All | 1570 | 1511 I | 1236 | 1399 | 1399 I | 5 | 23 | 21 | 0 I | 0 I | 0 R | 0 R | 0 | 0 R | 0 I | 1575 | 1534 | 1257 | 1399 | 1399 |
| | | C | 25 I | 10 I | 7 | 10 | 10 I | 0 R | 0 R | 4 | 0 I | 0 I | 0 R | 0 | 0 | 0 | 0 I | 25 | 10 | 11 | 10 | 10 |
| | | NC | 1545 I | 1501 | 1230 | 1390 | 1390 I | 5 I | 22 | 17 | 0 I | 0 I | 0 R | 0 R | 0 | 0 R | 0 I | 1550 | 1524 | 1247 | 1390 | 1390 |
| | Sawn | All | 780 | 646 | 506 | 603 | 603 I | 5 | 7 | 10 | 14 | 14 I | 74 | 87 | 80 | 110 | 110 I | 711 | 566 | 436 | 507 | 507 |
| | | C | 10 I | 3 | 3 | 5 | 5 I | 5 | 7 | 10 | 14 | 14 I | 6 | 7 | 3 | 0 R | 0 I | 9 | 3 | 11 | 19 | 19 |
| | | NC | 770 I | 643 | 503 | 598 | 598 I | 0 R | 0 R | 0 | 0 | 0 I | 68 I | 80 | 77 | 110 | 110 I | 702 | 563 | 425 | 488 | 488 |
| | Ven | All | 7 I | 8 I | 10 | 6 | 6 I | 0 R | 0 R | 0 R | 0 | 0 I | 7 | 8 | 8 | 5 | 5 I | 0 | 0 | 2 | 1 | 1 |
| | | C | 0 | 0 | 0 | 0 | 0 I | 0 R | 0 R | 0 R | 0 | 0 I | 0 R | 0 | 0 | 0 | 0 I | 0 | 0 | 0 | 0 | 0 |
| | | NC | 7 I | 8 I | 10 | 6 | 6 I | 0 | 0 R | 0 R | 0 | 0 I | 7 | 8 | 8 | 5 | 5 I | 0 | 0 | 2 | 1 | 1 |
| | Ply | All | 34 | 36 | 100 | 96 | 96 I | 0 | 0 R | 1 | 1 | 1 I | 8 | 14 | 19 | 13 I | 13 I | 26 | 22 | 82 | 85 | 85 |
| | | C | 0 | 0 | 0 | 0 | 0 I | 0 | 0 R | 1 | 1 | 1 I | 0 | 0 | 0 | 0 RI | 0 I | 0 | 0 | 1 | 1 | 1 |
| | | NC | 34 | 36 | 100 | 96 | 96 I | 0 | 0 R | 0 R | 0 | 0 I | 8 I | 14 | 19 | 13 | 13 I | 26 | 22 | 81 | 84 | 84 |
| Suriname | Logs | All | 94 | 177 | 163 | 154 | 161 | 0 | 0 | 0 | 0 | 0 | 17 | 10 | 8 | 26 | 14 | 77 | 167 | 155 | 128 | 147 |
| | | C | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 |
| | | NC | 94 | 176 | 162 | 154 | 161 | 0 | 0 | 0 | 0 | 0 | 17 | 10 | 8 | 26 | 14 | 77 | 166 | 154 | 128 | 147 |
| | Sawn | All | 28 | 60 | 56 | 47 | 50 | 0 | 0 | 0 | 0 | 0 | 4 | 7 | 8 | 8 | 10 | 24 | 53 | 48 | 39 | 40 |
| | | C | 0 | 0 R | 0 R | 0 R | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | NC | 28 | 60 | 56 | 47 | 50 | 0 | 0 | 0 | 0 | 0 | 4 | 7 | 8 | 8 | 10 | 24 | 53 | 48 | 39 | 40 |
| | Ven | All | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | C | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | NC | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Ply | All | 4 | 13 | 3 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 1 | 0 R | 0 R | 0 R | 4 | 14 | 5 | 3 | 4 |
| | | C | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | NC | 4 | 13 | 3 | 2 | 2 | 2 I | 1 I | 2 I | 2 I | 2 I | 2 | 1 | 0 R | 0 R | 0 R | 4 | 14 | 5 | 3 | 4 |

## Table 1-1-c. Production, Trade and Consumption of All Timber by ITTO Producers (1000 $m^3$)

| Country | Product | Species | Production | | | | | Imports | | | | | Exports | | | | | Domestic Consumption | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 |
| Trinidad | Logs | All | 31 | 72 | 56 | 51 | 73 | 0 | 4 | 4 | 7 | 8 | 0 | 0 | 0 R | 0 R | 0 R | 31 | 76 | 60 | 58 | 81 |
| and Tobago | | C | 15 | 10 | 0 | 0 | 0 | 0 | 1 | 2 | 3 | 4 | 0 | 0 R | 0 | 0 | 0 | 15 | 11 | 2 | 3 | 4 |
| | | NC | 16 | 62 | 56 | 51 | 73 | 0 | 3 I | 2 | 4 | 4 | 0 | 0 R | 0 R | 0 R | 0 R | 16 | 65 | 58 | 55 | 77 |
| | Sawn | All | 18 I | 32 I | 41 | 43 | 47 | 46 | 30 | 48 | 54 | 60 | 1 | 1 | 1 | 0 R | 0 R | 63 | 61 | 88 | 97 | 107 |
| | | C | 8 I | 5 I | 0 | 0 | 0 | 38 | 25 | 46 | 50 | 54 | 0 R | 0 R | 0 R | 0 R | 0 | 46 | 30 | 46 | 50 | 54 |
| | | NC | 10 I | 27 | 41 | 43 | 47 | 8 | 5 I | 3 | 3 | 6 | 1 | 1 | 1 | 0 R | 0 R | 17 | 31 | 43 | 46 | 53 |
| | Ven | All | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 R | 0 R | 3 | 0 | 0 R | 0 R | 0 R | 0 R | 0 | 0 | 0 | 0 | 3 |
| | | C | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 R | 0 R | 3 | 0 | 0 R | 0 | 0 R | 0 | 0 | 0 | 0 | 0 | 3 |
| | | NC | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 R | 0 RI | 0 RI | 0 | 0 R | 0 R | 0 R | 0 R | 0 | 0 | 0 | 0 | 0 |
| | Ply | All | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 22 | 17 | 20 | 0 | 0 R | 0 R | 0 R | 0 R | 0 | 11 | 22 | 17 | 20 |
| | | C | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 18 | 15 | 17 | 0 | 0 R | 0 R | 0 R | 0 | 0 | 9 | 18 | 15 | 17 |
| | | NC | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 2 | 3 | 0 | 0 R | 0 R | 0 R | 0 R | 0 | 2 | 3 | 2 | 3 |
| Venezuela | Logs | All | 1664 | 1145 | 970 | 1227 | 1100 I | 0 R | 0 R | 0 | 0 R | 0 R | 0 R | 5 | 6 | 4 | 5 | 1664 | 1140 | 964 | 1223 | 1095 |
| | | C | 910 | 481 | 320 | 567 | 600 | 0 R | 0 R | 0 | 0 R | 0 R | 0 R | 0 R | 0 | 0 | 0 | 910 | 481 | 320 | 567 | 600 |
| | | NC | 754 | 664 | 650 | 660 | 500 I | 0 R | 0 R | 0 | 0 R | 0 R | 0 R | 5 | 6 | 4 | 5 | 754 | 659 | 644 | 656 | 495 |
| | Sawn | All | 174 | 202 | 301 | 364 | 315 | 28 | 42 | 27 | 43 | 22 | 3 | 0 R | 7 | 61 | 55 | 200 | 244 | 321 | 346 | 282 |
| | | C | 0 | 27 | 90 | 101 | 95 | 10 | 8 | 18 | 4 | 8 | 0 R | 0 R | 7 | 60 | 55 | 9 | 34 | 102 | 44 | 48 |
| | | NC | 174 | 175 | 211 | 263 | 220 | 19 | 34 | 8 | 39 | 14 | 2 | 0 R | 0 R | 0 R | 0 | 190 | 209 | 219 | 302 | 234 |
| | Ven | All | 30 | 28 | 27 | 25 | 20 | 3 | 4 | 0 R | 4 | 4 | 0 R | 0 R | 0 R | 0 R | 0 R | 32 | 32 | 27 | 29 | 24 |
| | | C | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 RI | 4 | 0 | 0 R | 0 R | 0 R | 0 R | 0 | 1 | 2 | 0 | 4 | 0 |
| | | NC | 30 | 28 | 27 | 25 | 20 | 1 | 2 | 0 R | 1 | 4 | 0 R | 0 R | 0 R | 0 R | 0 R | 31 | 30 | 27 | 25 | 24 |
| | Ply | All | 0 | 0 | 23 | 21 | 18 | 34 | 55 | 41 | 38 | 35 | 0 R | 0 R | 1 | 0 R | 0 R | 33 | 55 | 63 | 59 | 53 |
| | | C | 0 | 0 | 0 | 0 | 0 | 19 | 28 | 22 | 18 | 20 | 0 R | 0 R | 1 | 0 R | 0 | 19 | 28 | 21 | 18 | 20 |
| | | NC | 0 | 0 | 23 | 21 | 18 | 14 | 27 | 19 | 19 | 15 | 0 R | 0 R | 0 | 0 | 0 R | 14 | 27 | 42 | 40 | 33 |
| **Producers Total** | **Logs** | **All** | **218273** | **225870** | **222660** | **218187** | **214891** | **3985** | **4329** | **4761** | **3413** | **3197** | **15031** | **17553** | **16961** | **13749** | **14051** | **207227** | **212646** | **210460** | **207851** | **204037** |
| | | **C** | **45812** | **46300** | **46316** | **46554** | **46423** | **202** | **206** | **146** | **136** | **124** | **323** | **554** | **504** | **442** | **441** | **45690** | **45952** | **45958** | **46247** | **46106** |
| | | **NC** | **172461** | **179571** | **176344** | **171634** | **168467** | **3783** | **4123** | **4615** | **3277** | **3074** | **14707** | **17000** | **16457** | **13307** | **13610** | **161537** | **166694** | **164502** | **161604** | **157932** |
| | **Sawn** | **All** | **50869** | **51984** | **41206** | **41750** | **42047** | **2119** | **2471** | **2756** | **3597** | **3952** | **7296** | **9042** | **10027** | **10584** | **10486** | **45692** | **45413** | **33935** | **34763** | **35513** |
| | | **C** | **8910** | **9729** | **7040** | **7531** | **7831** | **273** | **438** | **416** | **485** | **538** | **1221** | **1311** | **1454** | **1881** | **1864** | **7962** | **8856** | **6001** | **6135** | **6505** |
| | | **NC** | **41959** | **42256** | **34166** | **34219** | **34216** | **1846** | **2033** | **2341** | **3112** | **3414** | **6075** | **7731** | **8573** | **8703** | **8622** | **37730** | **36558** | **27934** | **28628** | **29008** |
| | **Ven** | **All** | **2684** | **2906** | **2588** | **2479** | **2570** | **255** | **253** | **217** | **287** | **200** | **1608** | **1497** | **1213** | **1389** | **1364** | **1331** | **1662** | **1592** | **1378** | **1406** |
| | | **C** | **447** | **317** | **318** | **317** | **317** | **14** | **22** | **12** | **21** | **16** | **44** | **30** | **22** | **105** | **102** | **417** | **309** | **308** | **232** | **230** |
| | | **NC** | **2237** | **2589** | **2270** | **2162** | **2253** | **241** | **231** | **205** | **266** | **184** | **1564** | **1467** | **1192** | **1283** | **1261** | **914** | **1353** | **1284** | **1146** | **1176** |
| | **Ply** | **All** | **15230** | **17523** | **15504** | **15359** | **15210** | **293** | **245** | **197** | **216** | **179** | **11234** | **12670** | **11376** | **11400** | **11484** | **4290** | **5098** | **4325** | **4174** | **3906** |
| | | **C** | **1370** | **1742** | **1343** | **1845** | **1845** | **143** | **104** | **76** | **96** | **71** | **654** | **535** | **562** | **1091** | **1080** | **859** | **1311** | **857** | **850** | **836** |
| | | **NC** | **13860** | **15781** | **14161** | **13514** | **13365** | **151** | **141** | **121** | **120** | **109** | **10580** | **12135** | **10814** | **10309** | **10404** | **3431** | **3787** | **3468** | **3324** | **3070** |

## Table 1-1-c. Production, Trade and Consumption of All Timber by ITTO Producers (1000 $m^3$)

| | | | Production | | | | | Imports | | | | | Exports | | | | | Domestic Consumption | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Country | Product | Species | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 |
| **ITTO Total** | **Logs** | **All** | **1179420** | **1231376** | **1153637** | **1172663** | **1181356** | **98480** | **113195** | **113099** | **115572** | **116804** | **51192** | **61500** | **60533** | **56272** | **55163** | **1226708** | **1283071** | **1206203** | **1231963** | **1242997** |
| | | **C** | **747595** | **786323** | **740428** | **765318** | **778229** | **55697** | **68095** | **69533** | **73425** | **72970** | **28822** | **34774** | **35027** | **33695** | **32296** | **774471** | **819644** | **774934** | **805048** | **818903** |
| | | **NC** | **431824** | **445052** | **413208** | **407345** | **403127** | **42783** | **45100** | **43566** | **42147** | **43834** | **22370** | **26726** | **25505** | **22577** | **22867** | **452237** | **463427** | **431269** | **426915** | **424094** |
| | **Sawn** | **All** | **319434** | **313417** | **298683** | **308130** | **309163** | **99457** | **102166** | **99065** | **102932** | **106638** | **83014** | **87531** | **87178** | **90540** | **88733** | **335877** | **328052** | **310571** | **320522** | **327068** |
| | | **C** | **228864** | **226636** | **223227** | **233671** | **234468** | **80255** | **82206** | **79931** | **82595** | **85679** | **69959** | **72522** | **71871** | **74963** | **73245** | **239160** | **236321** | **231286** | **241303** | **246902** |
| | | **NC** | **90570** | **86781** | **75457** | **74459** | **74695** | **19202** | **19960** | **19134** | **20337** | **20960** | **13055** | **15010** | **15306** | **15576** | **15489** | **96717** | **91732** | **79285** | **79220** | **80166** |
| | **Ven** | **All** | **6333** | **6714** | **6330** | **6704** | **6947** | **3122** | **3133** | **2906** | **3113** | **3055** | **3229** | **3258** | **2986** | **3319** | **3265** | **6226** | **6589** | **6250** | **6499** | **6736** |
| | | **C** | **2011** | **1965** | **2105** | **2451** | **2770** | **543** | **496** | **505** | **595** | **620** | **604** | **662** | **708** | **863** | **875** | **1949** | **1799** | **1902** | **2182** | **2514** |
| | | **NC** | **4323** | **4750** | **4225** | **4253** | **4179** | **2579** | **2636** | **2401** | **2518** | **2435** | **2625** | **2596** | **2278** | **2456** | **2390** | **4276** | **4789** | **4349** | **4317** | **4224** |
| | **Ply** | **All** | **50715** | **55702** | **50234** | **52337** | **53318** | **16152** | **16408** | **16979** | **17742** | **17407** | **16224** | **17851** | **16784** | **17557** | **17947** | **50643** | **54259** | **50429** | **52522** | **52779** |
| | | **C** | **27032** | **28523** | **25738** | **27788** | **28358** | **3691** | **3892** | **3750** | **4107** | **4163** | **3413** | **3431** | **3547** | **4414** | **4487** | **27310** | **28984** | **25941** | **27481** | **28034** |
| | | **NC** | **23683** | **27179** | **24496** | **24548** | **24960** | **12462** | **12596** | **13229** | **13635** | **13244** | **12811** | **14421** | **13237** | **13143** | **13460** | **23334** | **25355** | **24488** | **25040** | **24745** |

## Table 1-1-d. Production, Trade and Consumption of Tropical Timber by ITTO Producers (1000 $m^3$)

| Country | Product | Production | | | | | Imports | | | | | Exports | | | | | Domestic Consumption | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 |
| **Africa** | **Logs** | **19291** | **20386** | **20093** | **19435** | **18960** | **92** | **65** | **38** | **22** | **16** | **4381** | **5065** | **4685** | **4497** | **4655** | **15002** | **15387** | **15446** | **14960** | **14322** |
| | **Sawn** | **3992** | **4646** | **4343** | **4396** | **4126** | **7** | **8** | **23** | **24** | **29** | **1468** | **2154** | **1577** | **1761** | **1583** | **2531** | **2500** | **2789** | **2659** | **2572** |
| | **Ven** | **624** | **716** | **735** | **693** | **700** | **0** | **2** | **0** | **3** | **3** | **443** | **394** | **381** | **421** | **420** | **182** | **324** | **354** | **275** | **283** |
| | **Ply** | **421** | **369** | **365** | **448** | **413** | **19** | **1** | **1** | **11** | **11** | **213** | **200** | **166** | **195** | **195** | **227** | **171** | **200** | **264** | **230** |
| Cameroon | Logs | 2655 | 2720 | 2100 | 1900 I | 1700 I | 0 | 0 C | 0 | 0 I | 0 I | 1031 | 635 | 233 | 425 *D | 250 I | 1624 | 2085 | 1867 | 1475 | 1450 |
| | Sawn | 600 | 1200 I | 800 I | 800 I | 700 I | 0 | 0 C | 0 | 0 I | 0 I | 476 | 1154 | 631 | 793 *D | 640 I | 124 | 46 | 170 | 7 | 60 |
| | Ven | 53 | 72 | 55 I | 50 I | 50 I | 0 | 0 C | 0 | 0 I | 0 I | 48 | 70 | 33 | 27 *D | 27 I | 6 | 2 | 22 | 23 | 23 |
| | Ply | 92 | 36 | 30 I | 48 I | 48 I | 0 | 0 CR | 0 R | 0 I | 0 I | 88 | 35 | 21 | 47 *D | 47 I | 4 | 1 | 9 | 1 | 1 |
| Central | Logs | 553 | 703 | 750 | 550 I | 550 I | 0 | 0 I | 0 I | 0 I | 0 I | 154 | 250 | 313 | 100 I | 100 I | 399 | 453 | 437 | 450 | 450 |
| African | Sawn | 79 | 102 | 150 | 150 I | 150 I | 0 | 0 I | 0 I | 0 I | 0 I | 64 | 66 | 76 | 76 I | 76 I | 15 | 36 | 74 | 74 | 74 |
| Republic | Ven | 0 | 0 | 0 | 0 I | 0 I | 0 | 0 I | 0 I | 0 I | 0 I | 0 | 0 | 0 | 0 I | 0 I | 0 | 0 | 0 | 0 | 0 |
| | Ply | 2 | 2 | 4 | 4 I | 4 I | 0 | 0 I | 0 I | 0 I | 0 I | 1 | 0 | 0 R | 0 I | 0 I | 1 | 2 | 4 | 4 | 4 |
| Congo, Dem. Rep. | Logs | 170 I | 170 I | 38 | 75 I | 60 | 0 C | 0 C | 0 | 0 I | 0 I | 49 | 59 C | 17 | 11 I | 50 | 121 | 111 | 21 | 64 | 10 |
| (former Zaire) | Sawn | 50 I | 40 I | 10 I | 35 I | 7 | 0 C | 0 C | 0 | 0 I | 0 I | 16 | 20 I | 7 | 29 | 6 | 34 | 20 | 3 | 6 | 1 |
| | Ven | 1 I | 1 I | 1 I | 1 I | 1 I | 0 C | 0 C | 0 | 0 I | 0 I | 1 | 0 CR | 0 I | 0 | 0 | 0 | 1 | 1 | 1 | 1 |
| | Ply | 1 I | 1 I | 1 I | 1 I | 1 I | 0 CR | 0 CR | 0 | 0 I | 0 I | 0 | 0 CR | 0 I | 0 | 0 | 1 | 1 | 1 | 1 | 1 |
| Congo, Rep. | Logs | 1187 I | 1240 | 844 | 1050 | 1050 I | 0 I | 0 I | 0 I | 0 I | 0 I | 207 | 271 | 464 | 559 | 559 I | 980 | 969 | 380 | 491 | 491 |
| | Sawn | 74 | 109 | 126 | 170 I | 170 I | 0 I | 0 I | 0 I | 0 I | 0 I | 63 | 70 | 93 | 135 | 135 I | 11 | 39 | 33 | 35 | 35 |
| | Ven | 19 | 10 | 14 | 21 | 21 I | 0 I | 0 I | 0 I | 0 I | 0 I | 16 | 8 * | 9 | 18 | 18 I | 2 | 2 | 5 | 3 | 3 |
| | Ply | 3 | 1 I | 4 | 4 | 4 I | 0 I | 0 I | 0 I | 0 I | 0 I | 0 | 0 R | 1 | 4 | 4 I | 2 | 1 | 3 | 0 | 0 |
| Côte d'Ivoire | Logs | 2222 | 2500 | 2615 | 2084 | 1800 | 84 | 60 | 37 | 10 | 10 I | 105 | 136 | 127 | 86 | 86 I | 2201 | 2424 | 2525 | 2008 | 1724 |
| | Sawn | 611 | 603 | 630 | 620 | 436 | 0 | 0 | 0 | 0 | 0 I | 479 | 460 | 397 | 349 | 349 I | 132 | 143 | 233 | 271 | 87 |
| | Ven | 269 | 297 | 296 | 247 | 218 | 0 | 0 | 0 | 0 | 0 I | 153 | 113 | 121 | 151 | 151 I | 116 | 184 | 175 | 96 | 67 |
| | Ply | 59 | 80 | 81 | 76 | 55 | 0 | 0 | 0 | 0 | 0 I | 22 | 40 | 34 | 38 | 38 I | 37 | 40 | 47 | 38 | 17 |
| Gabon | Logs | 3635 | 3715 | 4216 | 4000 | 4000 I | 0 | 0 | 0 | 0 | 0 I | 2338 | 2584 | 2314 * | 2000 I | 2500 I | 1297 | 1131 | 1902 | 2000 | 1500 |
| | Sawn | 98 | 88 | 112 | 117 | 117 I | 0 | 0 | 13 | 14 | 14 I | 69 | 79 | 77 | 103 * | 103 I | 29 | 9 | 48 | 28 | 28 |
| | Ven | 133 | 91 | 110 | 110 I | 110 I | 0 | 2 | 0 | 3 | 3 I | 124 | 91 | 104 | 108 * | 108 I | 9 | 2 | 6 | 5 | 5 |
| | Ply | 134 | 104 | 76 | 141 | 141 I | 18 I | 0 | 0 | 10 | 10 I | 77 | 78 | 57 | 30 * | 30 I | 76 | 26 | 19 | 121 | 121 |
| Ghana | Logs | 1102 | 998 | 1212 | 1104 | 1500 | 0 | 0 | 0 | 11 | 5 | 0 | 0 | 0 | 0 | 0 | 1102 | 998 | 1212 | 1115 | 1505 |
| | Sawn | 454 | 475 | 480 | 461 | 511 | 0 | 0 | 0 | 0 | 0 | 250 | 243 | 239 | 207 | 217 | 204 | 232 | 241 | 254 | 294 |
| | Ven | 150 | 245 | 259 | 264 | 300 | 0 | 0 | 0 | 0 | 0 | 101 | 111 | 114 | 117 | 116 | 49 | 134 | 145 | 147 | 184 |
| | Ply | 75 | 90 | 114 | 119 | 105 | 0 | 0 | 0 | 0 | 0 | 25 | 47 | 53 | 75 | 75 | 50 | 43 | 61 | 44 | 30 |
| Liberia | Logs | 354 | 934 | 982 | 1364 | 950 I | 0 | 0 | 0 I | 0 I | 0 I | 340 | 900 I | 940 I | 1100 I | 900 I | 14 | 34 | 42 | 264 | 50 |
| | Sawn | 4 | 10 | 20 I | 30 I | 25 I | 0 | 0 | 0 I | 0 I | 0 I | 0 | 6 | 15 I | 25 I | 20 I | 4 | 4 | 5 | 5 | 5 |
| | Ven | 0 | 0 | 0 I | 0 I | 0 I | 0 | 0 | 0 I | 0 I | 0 I | 0 | 0 | 0 I | 0 I | 0 I | 0 | 0 | 0 | 0 | 0 |
| | Ply | 0 | 0 | 0 I | 0 I | 0 I | 0 R | 0 | 0 I | 0 I | 0 I | 0 | 0 | 0 I | 0 I | 0 I | 0 | 0 | 0 | 0 | 0 |

## Table 1-1-d. Production, Trade and Consumption of Tropical Timber by ITTO Producers (1000 $m^3$)

| Country | Product | Production | | | | | Imports | | | | | Exports | | | | | Domestic Consumption | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 |
| Nigeria | Logs | 7100 I | 7100 I | 7100 I | 7100 I | 7100 I | 6 | 0 I | 0 C | 1 I | 1 I | 146 | 202 C | 259 C | 200 I | 200 I | 6960 | 6898 | 6841 | 6901 | 6901 |
| | Sawn | 2000 F | 2000 F | 2000 F | 2000 F | 2000 I | 0 | 0 I | 0 I | 0 I | 0 I | 50 | 54 F | 37 F | 37 F | 37 I | 1950 | 1946 | 1963 | 1963 | 1963 |
| | Ven | 0 I | 0 I | 0 I | 0 I | 0 I | 0 | 0 C | 0 I | 0 I | 0 I | 0 | 0 I | 0 I | 0 I | 0 | 0 | 0 | 0 | 0 | 0 |
| | Ply | 55 I | 55 I | 55 I | 55 I | 55 I | 0 | 1 C | 0 CR | 0 CR | 0 I | 0 | 0 I | 0 I | 0 I | 0 I | 56 | 56 | 55 | 55 | 55 |
| Togo | Logs | 314 | 306 | 235 | 208 | 250 | 2 | 5 | 1 | 1 | 1 | 11 | 28 | 17 | 17 | 10 | 305 | 283 | 219 | 192 | 241 |
| | Sawn | 21 | 19 | 15 | 13 | 10 | 7 | 8 | 10 | 10 | 15 | 1 | 2 | 6 | 6 | 0 | 28 | 25 | 19 | 17 | 25 |
| | Ven | 0 | 0 | 0 | 0 | 0 | 0 R | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Ply | 0 | 0 | 0 | 0 | 0 | 1 R | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 |
| **Asia-Pacific** | **Logs** | **80407** | **85964** | **81316** | **76895** | **74026** | **3217** | **3362** | **3935** | **2783** | **2697** | **9960** | **11516** | **11542** | **8426** | **8601** | **73664** | **77810** | **73708** | **71251** | **68121** |
| | **Sawn** | **19324** | **19877** | **12625** | **12025** | **11727** | **1430** | **1555** | 1832 | **2322** | **2622** | **3506** | **4418** | **5612** | **5447** | **5563** | **17249** | **17014** | **8845** | **8900** | **8785** |
| | **Ven** | **1244** | **1452** | **1116** | **1055** | **1143** | **214** | **137** | **133** | **94** | **163** | **1045** | **1011** | **761** | **693** | **672** | **413** | **577** | **488** | **456** | **634** |
| | **Ply** | **12288** | **13449** | **12453** | **11763** | **11655** | **73** | **55** | **47** | **64** | **68** | **9729** | **11313** | **9655** | **9234** | **9339** | **2631** | **2191** | **2845** | **2594** | **2384** |
| Cambodia | Logs | 291 | 179 | 123 | 125 I | 125 I | 0 | 0 I | 0 I | 0 I | 0 I | 0 C | 0 | 0 | 0 I | 0 I | 291 | 179 | 123 | 125 | 125 |
| | Sawn | 10 | 20 | 5 | 5 I | 5 I | 0 | 0 I | 0 I | 0 I | 0 I | 10 | 3 | 5 | 5 I | 5 I | 0 | 17 | 0 | 0 | 0 |
| | Ven | 68 | 45 I | 24 I | 45 I | 45 I | 0 | 0 I | 0 I | 0 I | 0 I | 68 | 45 I | 24 I | 45 I | 45 I | 0 | 0 | 0 | 0 | 0 |
| | Ply | 15 | 27 I | 14 | 14 I | 14 I | 0 | 0 I | 0 I | 0 I | 0 I | 15 | 27 I | 14 I | 14 I | 14 I | 0 | 0 | 0 | 0 | 0 |
| Fiji | Logs | 80 | 107 | 111 | 106 | 120 | 0 I | 0 | 0 | 0 | 0 | 0 | 0 CR | 0 | 0 | 0 R | 80 | 107 | 111 | 106 | 120 |
| | Sawn | 30 | 40 | 40 | 42 | 49 | 0 I | 0 | 0 | 0 | 0 | 17 | 7 | 5 | 5 | 6 | 13 | 33 | 36 | 38 | 43 |
| | Ven | 4 | 3 | 3 | 5 | 8 | 0 I | 0 | 0 | 0 | 0 | 2 | 2 | 2 | 1 | 2 | 2 | 1 | 1 | 4 | 7 |
| | Ply | 7 | 9 | 9 | 5 | 8 | 0 I | 0 | 0 R | 0 R | 0 R | 4 | 4 | 3 | 5 | 6 | 3 | 5 | 6 | 0 | 3 |
| India | Logs | 14000 I | 14000 I | 13500 I | 13000 I | 13000 I | 1770 C | 1899 C | 2421 C | 1561 G | 1561 I | 2 C | 1 C | 7 | 9 G | 9 I | 15768 | 15898 | 15914 | 14551 | 14551 |
| | Sawn | 6800 I | 6800 I | 6 | 5 | 5 I | 1 C | 0 C | 7 C | 6 G | 6 I | 0 C | 6 C | 1 | 5 G | 5 I | 6801 | 6795 | 12 | 6 | 6 |
| | Ven | 15 I | 15 I | 55 W | 55 I | 55 I | 1 C | 1 C | 2 C | 3 GW | 3 I | 2 C | 1 C | 1 C | 3 GW | 3 I | 14 | 15 | 56 | 55 | 55 |
| | Ply | 300 I | 300 I | 300 I | 300 I | 300 I | 17 C | 9 I | 17 C | 11 I | 11 I | 55 C | 2 C | 64 C | 59 G | 59 I | 262 | 307 | 253 | 252 | 252 |
| Indonesia | Logs | 33000 I | 36000 I | 35000 I | 30000 I | 28000 I | 79 I | 3 W | 39 W | 84 W | 84 I | 259 I | 1606 WI | 3452 WI | 600 I | 500 I | 32821 | 34396 | 31587 | 29484 | 27584 |
| | Sawn | 6500 I | 6500 * | 6750 I | 6500 * | 6250 * | 4 I | 16 W | 20 W | 27 W | 27 I | 1300 | 1399 W | 2248 W | 2000 I | 2000 I | 5204 | 5117 | 4522 | 4527 | 4277 |
| | Ven | 50 I | 69 I | 94 | 45 I | 45 I | 2 I | 3 W | 3 W | 4 W | 4 I | 5 | 3 W | 5 W | 4 W | 4 I | 47 | 69 | 92 | 45 | 45 |
| | Ply | 7500 I | 8200 * | 7300 * | 6550 I | 6550 I | 7 I | 1 W | 1 W | 4 W | 4 I | 6291 C | 7768 * | 6003 WI | 5520 WI | 5520 I | 1216 | 433 | 1297 | 1034 | 1034 |
| Malaysia | Logs | 21838 | 22830 | 18710 | 20654 | 19485 | 604 | 718 | 736 | 297 | 183 | 6735 | 6801 I | 5041 | 5092 | 5222 D | 15707 | 16747 | 14405 | 15859 | 14446 |
| | Sawn | 5237 | 5590 | 4696 | 4643 | 4552 | 364 | 451 | 588 | 645 | 882 | 1863 | 2407 | 2562 | 2506 | 2372 | 3738 | 3634 | 2722 | 2782 | 3062 |
| | Ven | 1008 | 1117 | 649 | 662 * | 655 | 68 | 15 | 14 | 13 | 60 | 959 | 934 | 656 | 601 | 576 | 117 | 198 | 7 | 74 | 139 |
| | Ply | 4123 | 4434 | 4318 | 4341 | 4267 | 45 | 7 | 21 | 10 | 12 | 3340 | 3420 | 3517 | 3614 | 3700 | 828 | 1021 | 822 | 737 | 579 |
| Myanmar | Logs | 3347 | 3612 | 3962 | 2877 * | 3002 * | 0 | 0 | 0 I | 0 I | 0 I | 980 | 1115 | 1485 * | 867 * | 867 I | 2367 | 2497 | 2477 | 2010 | 2135 |
| | Sawn | 298 | 545 | 671 | 381 * | 391 * | 0 | 0 | 0 I | 0 I | 0 I | 42 | 126 | 243 | 24 * | 27 * | 256 | 419 | 428 | 357 | 364 |
| | Ven | 2 | 1 | 1 | 0 R | 1 I | 0 | 0 | 0 I | 0 I | 0 I | 0 | 1 | 1 | 0 R | 0 I | 2 | 0 | 0 | 0 | 1 |
| | Ply | 8 | 55 | 53 | 19 | 20 I | 0 | 0 | 0 I | 0 I | 0 I | 2 | 46 | 45 | 5 | 5 I | 6 | 9 | 8 | 15 | 15 |

## Table 1-1-d. Production, Trade and Consumption of Tropical Timber by ITTO Producers (1000 $m^3$)

| | | Production | | | | | Imports | | | | | Exports | | | | | Domestic Consumption | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Country | Product | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 |
| Papua New Guinea | Logs | 2100 I | 2134 | 1658 | 1900 I | 2100 I | 0 | 0 CR | 0 I | 0 I | 0 I | 1984 | 1993 | 1556 * | 1854 * | 1983 D | 116 | 141 | 102 | 46 | 117 |
| | Sawn | 30 I | 40 I | 40 I | 40 I | 60 I | 0 | 0 C | 0 I | 0 I | 0 I | 19 | 30 I | 40 * | 40 I | 40 I | 11 | 10 | 0 | 0 | 20 |
| | Ven | 5 I | 20 | 68 I | 35 I | 35 I | 0 | 0 C | 0 I | 0 I | 0 I | 2 | 20 | 68 * | 35 I | 35 I | 3 | 0 | 0 | 0 | 0 |
| | Ply | 10 I | 5 I | 5 I | 5 I | 5 I | 0 | 0 C | 0 I | 0 I | 0 I | 7 | 0 | 0 | 0 | 3 I | 3 | 5 | 5 | 5 | 2 |
| Philippines | Logs | 730 | 800 | 401 | 403 | 364 | 366 | 350 | 259 | 233 | 230 I | 0 | 0 | 0 R | 1 | 16 | 1096 | 1150 | 660 | 635 | 578 |
| | Sawn | 288 | 151 | 199 | 155 | 151 | 307 | 264 | 217 | 219 | 210 I | 69 | 120 I | 97 I | 91 I | 98 | 526 | 295 | 318 | 283 | 263 |
| | Ven | 89 | 178 | 219 | 205 | 294 | 133 | 107 | 105 | 64 | 85 I | 4 | 5 I | 2 I | 3 | 6 | 218 | 280 | 321 | 266 | 373 |
| | Ply | 243 | 326 | 348 | 409 | 371 | 4 | 0 R | 0 | 19 | 19 I | 12 | 8 | 5 I | 14 | 29 | 235 | 318 | 343 | 414 | 361 |
| Thailand | Logs | 4980 * | 6262 | 7800 | 7800 | 7800 I | 398 | 393 | 480 | 609 | 639 I | 0 | 0 R | 1 | 3 | 3 I | 5378 | 6655 | 8279 | 8406 | 8436 |
| | Sawn | 113 | 173 | 191 | 240 | 250 I | 755 | 823 | 1000 | 1425 | 1496 I | 174 | 311 | 400 | 761 C | 1000 I | 694 | 685 | 791 | 904 | 746 |
| | Ven | 3 | 4 | 3 | 3 | 5 I | 10 | 11 | 9 | 11 | 12 I | 2 | 2 | 2 | 2 | 2 I | 11 | 13 | 10 | 12 | 15 |
| | Ply | 82 | 92 | 106 | 120 | 120 I | 0 | 38 | 8 I | 21 | 22 I | 4 | 37 | 3 | 3 | 3 I | 79 | 93 | 111 | 138 | 139 |
| Vanuatu | Logs | 41 | 40 | 50 I | 30 I | 30 I | 0 | 0 | 0 | 0 | 0 I | 0 R | 0 | 0 | 1 | 1 I | 41 | 40 | 50 | 29 | 29 |
| | Sawn | 18 | 18 | 28 | 14 | 14 I | 0 | 0 | 0 R | 0 | 0 I | 12 | 10 | 12 | 11 | 11 I | 6 | 8 | 16 | 3 | 3 |
| | Ven | 0 | 0 | 0 | 0 | 0 I | 0 | 0 | 0 R | 0 | 0 I | 0 | 0 | 0 | 0 | 0 I | 0 | 0 | 0 | 0 | 0 |
| | Ply | 0 | 0 | 0 | 0 | 0 I | 0 R | 0 | 0 R | 0 | 0 I | 0 | 0 | 0 | 0 | 0 I | 0 | 0 | 0 | 0 | 0 |
| **Latin America/ Caribbean** | **Logs** | **37420** | **37743** | **38205** | **39139** | **40182** | **14** | **10** | **3** | **12** | **38** | **227** | **195** | **104** | **144** | **116** | **37207** | **37558** | **38104** | **39007** | **40104** |
| | **Sawn** | **13319** | **17466** | **16910** | **17567** | **18143** | **192** | **40** | 6 | **54** | **31** | **1088** | **1107** | **1198** | **1369** | **1372** | **12423** | **16399** | **15719** | **16252** | **16802** |
| | **Ven** | **367** | **420** | **418** | **413** | **408** | **16** | **4** | **5** | **1** | **5** | **76** | **62** | **42** | **164** | **164** | **307** | **363** | **381** | **250** | **249** |
| | **Ply** | **1152** | **1964** | **1343** | **1302** | **1297** | **26** | **32** | **27** | **31** | **25** | **638** | **620** | **975** | **868** | **858** | **540** | **1376** | **395** | **466** | **464** |
| Bolivia | Logs | 502 | 496 | 559 | 544 | 637 | 1 R | 1 | 1 | 1 | 1 | 3 R | 3 | 1 | 2 | 2 | 500 | 494 | 559 | 543 | 636 |
| | Sawn | 244 | 239 | 308 | 299 | 351 | 1 | 0 R | 1 | 1 | 1 | 42 | 43 | 43 | 34 | 41 | 203 | 196 | 266 | 267 | 310 |
| | Ven | 1 | 2 | 4 | 4 | 4 | 0 | 0 | 0 R | 0 R | 0 | 1 | 2 | 2 | 1 | 1 | 0 | 0 | 2 | 3 | 3 |
| | Ply | 4 | 4 | 4 | 4 | 4 | 0 | 0 | 0 | 0 | 0 R | 1 | 0 | 0 R | 0 R | 0 R | 3 | 4 | 4 | 4 | 4 |
| Brazil | Logs | 27303 * | 27850 * | 28270 * | 28835 * | 29700 * | 7 I | 6 W | 0 W | 7 G | 33 I | 0 I | 7 W | 3 W | 9 G | 9 I | 27310 | 27849 | 28267 | 28832 | 29724 |
| | Sawn | 10100 * | 15300 | 14800 * | 15300 * | 15912 * | 145 I | 0 W | 2 W | 11 G | 11 I | 929 * | 936 I | 1013 I | 1148 G | 1148 I | 9316 | 14364 | 13788 | 14162 | 14774 |
| | Ven | 320 I | 370 I | 370 I | 370 I | 370 I | 14 * | 2 W | 1 W | 0 R | 0 I | 67 * | 50 W | 39 W | 161 G | 161 I | 267 | 322 | 332 | 209 | 209 |
| | Ply | 880 * | 1670 I | 1000 * | 1000 I | 1000 I | 1 I | 0 WR | 1 W | 0 G | 0 I | 508 * | 440 I | 826 I | 747 * | 747 I | 373 | 1230 | 174 | 253 | 253 |
| Colombia | Logs | 1842 | 1791 | 1516 | 1656 | 1826 | 1 | 0 R | 0 | 0 R | 0 R | 17 | 21 | 13 | 19 | 13 | 1826 | 1770 | 1503 | 1638 | 1813 |
| | Sawn | 699 | 567 | 521 | 509 | 480 | 6 | 2 | 0 R | 0 | 0 R | 9 | 2 | 1 | 1 | 0 R | 696 | 567 | 520 | 508 | 480 |
| | Ven | 1 | 2 | 2 | 1 | 1 | 0 | 0 R | 0 R | 0 R | 0 R | 0 | 0 R | 0 R | 0 | 0 | 2 | 2 | 2 | 1 | 1 |
| | Ply | 29 | 31 | 29 | 33 | 31 | 5 | 0 R | 0 R | 0 R | 0 R | 6 | 4 | 4 | 6 | 3 | 28 | 27 | 24 | 27 | 28 |
| Ecuador | Logs | 4750 I | 4750 I | 5278 I | 5278 I | 5278 I | 0 CR | 0 R | 0 C | 0 I | 0 I | 141 C | 91 | 25 I | 25 I | 25 I | 4609 | 4659 | 5253 | 5253 | 5253 |
| | Sawn | 1164 I | 356 | 396 | 400 I | 400 I | 0 CR | 0 R | 0 CR | 0 I | 0 I | 20 C | 14 | 20 C | 20 I | 20 I | 1144 | 342 | 375 | 380 | 380 |
| | Ven | 5 I | 5 I | 5 I | 5 I | 5 I | 0 CR | 0 R | 0 CR | 0 I | 0 I | 0 C | 0 R | 0 CR | 0 I | 0 I | 5 | 5 | 5 | 5 | 5 |
| | Ply | 104 I | 104 I | 104 I | 85 I | 85 I | 0 C | 0 R | 0 CR | 0 I | 0 I | 36 C | 75 C | 68 C | 68 I | 68 I | 68 | 29 | 37 | 17 | 17 |

## Table 1-1-d. Production, Trade and Consumption of Tropical Timber by ITTO Producers (1000 $m^3$)

| | | Production | | | | | Imports | | | | | Exports | | | | | Domestic Consumption | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Country | Product | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 |
| Guatemala | Logs | 100 I | 93 I | 85 I | 100 I | 100 I | 0 I | 0 C | 0 I | 0 CR | 0 I | 0 I | 0 I | 0 I | 0 | 0 I | 100 | 92 | 85 | 100 | 100 |
| | Sawn | 40 I | 40 I | 35 I | 40 I | 40 I | 13 I | 0 CR | 0 CR | 0 CR | 0 I | 5 I | 10 | 15 | 15 I | 15 I | 35 | 31 | 21 | 26 | 26 |
| | Ven | 1 I | 1 I | 1 I | 1 I | 1 I | 0 CR | 0 CR | 0 CR | 0 CR | 0 I | 0 I | 1 I | 0 R | 1 I | 1 I | 1 | 0 | 1 | 0 | 0 |
| | Ply | 10 I | 10 I | 10 I | 10 I | 10 I | 2 I | 1 C | 6 C | 3 C | 3 I | 0 I | 1 C | 5 I | 0 I | 0 I | 10 | 11 | 10 | 13 | 13 |
| Guyana | Logs | 435 | 289 | 312 | 298 | 300 I | 0 | 0 | 0 | 0 | 0 | 48 | 54 | 41 | 56 | 38 | 388 | 235 | 271 | 242 | 262 |
| | Sawn | 50 I | 29 | 30 | 35 I | 30 D | 0 | 0 | 0 | 0 | 0 | 22 | 19 | 23 | 33 | 28 | 28 | 10 | 7 | 2 | 2 |
| | Ven | 0 | 0 | 0 | 0 | 0 I | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Ply | 87 | 92 | 70 I | 51 | 51 I | 0 | 0 | 0 | 0 | 0 | 76 | 87 | 70 | 47 | 41 | 10 | 5 | 0 | 4 | 11 |
| Honduras | Logs | 32 I | 12 I | 15 I | 22 I | 25 I | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 I | 32 | 12 | 15 | 22 | 25 |
| | Sawn | 15 I | 5 I | 7 I | 10 I | 10 I | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 I | 15 | 5 | 7 | 10 | 10 |
| | Ven | 0 | 0 | 0 | 0 | 0 | 0 R | 0 R | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 I | 0 | 0 | 0 | 0 | 0 |
| | Ply | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 I | 0 | 0 | 0 | 0 | 0 |
| Panama | Logs | 46 | 60 | 72 I | 151 | 192 | 0 | 0 | 0 R | 0 I | 0 | 1 | 4 I | 7 | 3 I | 9 | 45 | 56 | 65 | 148 | 183 |
| | Sawn | 26 I | 25 I | 4 | 24 | 6 | 0 | 0 R | 1 | 0 CR | 0 CR | 0 | 0 | 4 | 4 | 3 | 26 | 25 | 1 | 20 | 3 |
| | Ven | 2 | 4 | 0 | 1 | 1 | 0 | 0 R | 3 | 0 CR | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 3 | 1 | 1 |
| | Ply | 0 | 4 | 0 | 0 | 0 | 1 | 3 | 18 I | 6 C | 2 | 0 R | 0 R | 0 | 0 | 0 | 1 | 7 | 18 | 6 | 2 |
| Peru | Logs | 1545 I | 1501 | 1230 | 1390 | 1390 I | 5 | 0 | 0 | 0 I | 0 I | 0 | 0 R | 0 | 0 R | 0 I | 1550 | 1501 | 1230 | 1390 | 1390 |
| | Sawn | 770 I | 643 | 503 | 598 | 598 I | 0 | 0 R | 0 | 0 | 0 I | 55 | 75 | 70 | 106 | 106 I | 715 | 568 | 433 | 492 | 492 |
| | Ven | 7 I | 8 I | 10 | 6 | 6 I | 0 | 0 | 0 R | 0 | 0 I | 7 | 8 | 1 | 1 | 1 I | 0 | 0 | 10 | 6 | 6 |
| | Ply | 34 | 36 | 100 | 96 | 96 I | 0 | 0 R | 0 R | 0 | 0 I | 8 | 12 | 2 | 0 R | 0 I | 26 | 24 | 99 | 96 | 96 |
| Suriname | Logs | 94 | 176 | 162 | 154 | 161 | 0 | 0 | 0 | 0 | 0 | 17 | 10 | 8 | 26 | 14 | 77 | 166 | 154 | 128 | 147 |
| | Sawn | 28 | 60 | 56 | 47 | 50 | 0 | 0 | 0 | 0 | 0 | 4 | 7 | 8 | 8 | 10 | 24 | 53 | 48 | 39 | 40 |
| | Ven | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Ply | 4 | 13 | 3 | 2 | 2 | 2 | 1 I | 2 I | 2 I | 2 I | 2 | 1 | 0 R | 0 R | 0 R | 4 | 14 | 5 | 3 | 4 |
| Trinidad | Logs | 16 | 62 | 56 | 51 | 73 | 0 | 3 | 2 | 4 | 4 | 0 R | 0 R | 0 R | 0 R | 0 R | 16 | 65 | 58 | 55 | 77 |
| and Tobago | Sawn | 10 I | 27 | 41 | 43 | 47 | 8 | 3 I | 2 | 3 | 4 | 1 | 1 | 1 R | 0 R | 0 R | 17 | 29 | 43 | 46 | 51 |
| | Ven | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 RI | 0 RI | 0 RI | 0 | 0 R | 0 R | 0 R | 0 R | 0 | 0 | 0 | 0 | 0 |
| | Ply | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 R | 2 | 3 | 0 | 0 R | 0 R | 0 R | 0 R | 0 | 0 | 0 | 2 | 3 |
| Venezuela | Logs | 754 | 664 | 650 | 660 | 500 I | 0 R | 0 R | 0 | 0 R | 0 R | 0 R | 5 | 6 | 4 | 5 | 754 | 659 | 644 | 656 | 495 |
| | Sawn | 174 | 175 | 211 | 263 | 220 I | 19 | 34 | 0 R | 38 | 14 I | 2 R | 0 R | 0 R | 0 R | 0 | 190 | 209 | 211 | 301 | 234 |
| | Ven | 30 | 28 | 27 | 25 | 20 | 1 | 2 | 0 R | 0 R | 4 I | 0 R | 0 R | 0 R | 0 R | 0 R | 31 | 30 | 27 | 25 | 24 |
| | Ply | 0 | 0 | 23 | 21 | 18 | 14 | 27 | 0 R | 19 | 15 I | 0 R | 0 R | 0 | 0 | 0 R | 14 | 27 | 23 | 40 | 33 |

## Table 1-1-d. Production, Trade and Consumption of Tropical Timber by ITTO Producers (1000 $m^3$)

| | | Production | | | | | Imports | | | | | Exports | | | | | Domestic Consumption | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Country | Product | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 | 1999 | 2000 | 2001 | 2002 | 2003 |
| **Producers Total** | **Logs** | **137118** | **144093** | **139614** | **135469** | **133167** | **3323** | **3437** | **3976** | **2817** | **2751** | **14567** | **16776** | **16331** | **13068** | **13372** | **125874** | **130755** | **127258** | **125217** | **122547** |
| | **Sawn** | **36635** | **41988** | **33878** | **33988** | **33996** | **1629** | **1602** | **1861** | **2400** | **2681** | **6062** | **7678** | **8387** | **8577** | **8518** | **32202** | **35912** | **27352** | **27811** | **28159** |
| | **Ven** | **2236** | **2588** | **2269** | **2161** | **2252** | **230** | **143** | **138** | **99** | **171** | **1564** | **1467** | **1184** | **1278** | **1256** | **901** | **1264** | **1223** | **982** | **1167** |
| | **Ply** | **13860** | **15781** | **14161** | **13514** | **13365** | **118** | **89** | **76** | **106** | **104** | **10580** | **12133** | **10797** | **10297** | **10392** | **3398** | **3737** | **3440** | **3323** | **3078** |
| **ITTO Total** | **Logs** | **137377** | **144452** | **139974** | **136403** | **134090** | **17150** | **17684** | **17343** | **15748** | **15915** | **14670** | **16943** | **16473** | **13209** | **13501** | **139856** | **145193** | **140844** | **138941** | **136505** |
| | **Sawn** | **38996** | **44290** | **35854** | **35180** | **35144** | **8101** | **9286** | **9590** | **10100** | **11257** | **6521** | **8570** | **9115** | **9138** | **8984** | **40576** | **45006** | **36329** | **36142** | **37417** |
| | **Ven** | **2701** | **3040** | **2818** | **2678** | **2739** | **1425** | **1442** | **1245** | **1164** | **1334** | **1658** | **1561** | **1302** | **1423** | **1431** | **2469** | **2921** | **2761** | **2419** | **2641** |
| | **Ply** | **19207** | **21439** | **20047** | **19344** | **19570** | **10715** | **10522** | **9918** | **10345** | **9655** | **11270** | **12884** | **11605** | **11288** | **11532** | **18652** | **19077** | **18360** | **18401** | **17694** |

# Table 1-2-a. Trade of All Timber by ITTO Consumers - Value (1000 $ and $/m$^3$)

| | | | Imports | | | | Exports | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Value | | Unit Value | | Value | | Unit Value | |
| Country | Product | Species | 2001 | 2002 | 2001 | 2002 | 2001 | 2002 | 2001 | 2002 |
| Australia | Logs | All | 310 | 722 | 361 | 484 | 35942 | 56605 | 36 | 43 |
| | | C | 12 | 0 | 253 | -- | 26177 | 39976 | 33 | 39 |
| | | NC | 298 | 722 | 367 | 484 | 9765 | 16629 | 49 | 53 |
| | Sawn | All | 179584 | 238210 | 308 | 323 | 30127 | 33433 | 275 | 143 |
| | | C | 131214 | 180600 | 268 | 289 | 14205 | 13118 | 194 | 134 |
| | | NC | 48370 | 57609 | 516 | 514 | 15922 | 20315 | 441 | 150 |
| | Ven | All | 10266 | 12281 | 594 | 711 | 4090 | 5206 | 816 | 776 |
| | | C | 571 | 936 | 224 | 1082 | 3025 | 3649 | 1724 | 5699 |
| | | NC | 9694 | 11345 | 658 | 691 | 1065 | 1557 | 327 | 257 |
| | Ply | All | 34222 | 54350 | 344 | 360 | 3087 | 2103 | 221 | 147 |
| | | C | 18465 | 32142 | 317 | 334 | 1690 | 1203 | 164 | 100 |
| | | NC | 15757 | 22208 | 382 | 404 | 1397 | 900 | 385 | 404 |
| Canada | Logs | All | 391150 | 373971 | 52 | 50 | 310606 | 401477 | 81 | 82 |
| | | C | 216450 | 195066 | 41 | 40 | 261820 | 350376 | 74 | 77 |
| | | NC | 174701 | 178905 | 79 | 70 | 48786 | 51100 | 167 | 141 |
| | Sawn | All | 452823 | 473798 | 316 | 288 | 7496294 | 6983504 | 205 | 187 |
| | | C | 108389 | 107638 | 275 | 198 | 7099989 | 6587244 | 202 | 183 |
| | | NC | 344434 | 366160 | 332 | 333 | 396305 | 396260 | 307 | 285 |
| | Ven | All | 152683 | 172953 | 499 | 580 | 331633 | 338257 | 393 | 387 |
| | | C | 12964 | 9831 | 463 | 614 | 117686 | 122921 | 249 | 241 |
| | | NC | 139719 | 163123 | 503 | 578 | 213948 | 215336 | 577 | 592 |
| | Ply | All | 100520 | 124543 | 193 | 254 | 376076 | 401058 | 365 | 380 |
| | | C | 31776 | 29872 | 274 | 195 | 198971 | 203582 | 295 | 296 |
| | | NC | 68744 | 94670 | 170 | 281 | 177105 | 197476 | 499 | 535 |
| China | Logs | All | 1693842 | 2138101 | 100 | 88 | 5553 | 3174 | 313 | 290 |
| | | C | 541779 | 997006 | 59 | 63 | 178 | 0 | 275 | -- |
| | | NC | 1152063 | 1141095 | 149 | 133 | 5375 | 3174 | 314 | 290 |
| | Sawn | All | 986694 | 1159097 | 245 | 215 | 195076 | 190046 | 434 | 441 |
| | | C | 90903 | 166213 | 141 | 140 | 48883 | 59984 | 567 | 606 |
| | | NC | 895791 | 992884 | 264 | 236 | 146193 | 130062 | 402 | 392 |
| | Ven | All | 95195 * | 89383 | 284 | 313 | 70336 | 89297 | 1128 | 961 |
| | | C | 11000 * | 15415 | 250 | 187 | 2054 | 1924 | 1087 | 1028 |
| | | NC | 84195 * | 73968 | 289 | 364 | 68282 | 87374 | 1129 | 960 |
| | Ply | All | 321846 I | 258957 | 494 | 407 | 242290 | 427048 | 251 | 238 |
| | | C | 8846 I | 1599 | 350 | 47 | 112870 | 185801 | 235 | 218 |
| | | NC | 313000 I | 257358 | 500 | 428 | 129420 | 241248 | 266 | 256 |
| (Hong Kong S.A.R.) | Logs | All | 133625 G | 87571 G | 193 | 153 | 741 G | 124 G | 594 | 542 |
| | | C | 268 G | 6870 G | 275 | 58 | 0 G | 0 G | -- | -- |
| | | NC | 133357 G | 80702 G | 193 | 178 | 741 G | 124 G | 594 | 542 |
| | Sawn | All | 421142 G | 456712 G | 338 | 329 | 2722 G | 1291 G | 616 | 586 |
| | | C | 25076 G | 30125 G | 151 | 160 | 37 G | 25 G | 254 | 268 |
| | | NC | 396066 G | 426587 G | 367 | 355 | 2685 G | 1266 G | 628 | 600 |
| | Ven | All | 45332 G | 64430 G | 388 | 352 | 231 G | 1008 G | 1375 | 2545 |
| | | C | 1603 G | 2836 G | 1371 | 1438 | 52 G | 42 G | 792 | 1473 |
| | | NC | 43730 G | 61593 G | 378 | 340 | 178 G | 965 G | 1756 | 2629 |
| | Ply | All | 119783 G | 103984 G | 319 | 306 | 4137 G | 7564 G | 298 | 417 |
| | | C | 4838 G | 14676 G | 512 | 375 | 2 G | 1152 G | 520 | 306 |
| | | NC | 114945 G | 89308 G | 314 | 297 | 4136 G | 6412 G | 298 | 446 |
| (Macao S.A.R.) | Logs | All | 2 C | 0 | 210 | -- | 5 C | 0 I | -- | -- |
| | | C | 0 I | 0 | -- | -- | 0 I | 0 I | -- | -- |
| | | NC | 2 C | 0 | 210 | -- | 5 C | 0 I | 348 | -- |
| | Sawn | All | 431 C | 412 | 106 | 108 | 167 C | 215 C | 102 | 109 |
| | | C | 1 C | 33 | 107 | 99 | 0 I | 0 I | -- | -- |
| | | NC | 430 C | 378 | 106 | 109 | 167 C | 215 C | 102 | 109 |
| | Ven | All | 4 C | 0 | 371 | -- | 3 C | 0 I | 415 | -- |
| | | C | 0 I | 0 | -- | -- | 0 I | 0 I | -- | -- |
| | | NC | 4 C | 0 | 371 | -- | 3 C | 0 I | 415 | -- |
| | Ply | All | 2574 C | 2232 | 161 | 148 | 756 C | 714 C | 142 | 131 |
| | | C | 107 C | 69 | 116 | 95 | 0 I | 0 I | -- | -- |
| | | NC | 2467 C | 2163 | 164 | 150 | 756 C | 714 C | 142 | 131 |

# Table 1-2-a. Trade of All Timber by ITTO Consumers - Value (1000 $ and $/m$^3$)

| | | | Imports | | | | Exports | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Value | | Unit Value | | Value | | Unit Value | |
| Country | Product | Species | 2001 | 2002 | 2001 | 2002 | 2001 | 2002 | 2001 | 2002 |
| (Taiwan | Logs | All | 136719 *W | 137383 *W | 120 | 129 | 6741 | 7217 | 694 | 521 |
| Province of | | C | 18751 *W | 15915 *W | 113 | 92 | 1417 | 2161 | 521 | 346 |
| China) | | NC | 117968 *W | 121467 *W | 121 | 136 | 5324 | 5056 | 762 | 664 |
| | Sawn | All | 201538 *W | 225087 *W | 247 | 236 | 35503 | 32050 | 767 | 730 |
| | | C | 72764 *W | 88409 *W | 175 | 172 | 20265 | 16110 | 1421 | 1321 |
| | | NC | 128774 *W | 136678 *W | 321 | 310 | 15238 | 15941 | 475 | 503 |
| | Ven | All | 51139 *W | 55045 *W | 357 | 384 | 8050 | 13906 | 1563 | 2053 |
| | | C | 3652 *W | 2731 *W | 314 | 285 | 38 | 232 | 1074 | 1243 |
| | | NC | 47487 *W | 52314 *W | 361 | 391 | 8013 | 13674 | 1566 | 2075 |
| | Ply | All | 129282 *W | 152012 *W | 258 | 260 | 33488 | 26985 | 643 | 631 |
| | | C | 14549 *W | 17003 *W | 233 | 255 | 2271 | 1458 | 563 | 716 |
| | | NC | 114733 *W | 135009 *W | 261 | 261 | 31218 | 25527 | 650 | 627 |
| Egypt | Logs | All | 13144 C | 20900 | 88 | 140 | 2 | 10291 I | 1060 | 284 |
| | | C | 10960 C | 17599 | 86 | 137 | 1 | 2866 I | 982 | 250 |
| | | NC | 2184 C | 3302 | 102 | 157 | 1 | 7426 I | 1137 | 300 |
| | Sawn | All | 327045 | 406542 | 112 | 179 | 52 | 52 I | -- | -- |
| | | C | 211571 | 312634 | 83 | 154 | 0 | 0 I | -- | -- |
| | | NC | 115474 | 93907 | 313 | 391 | 52 | 52 I | -- | -- |
| | Ven | All | 17704 | 4888 | 322 | 489 | 4 R | 4 I | 314 | 314 |
| | | C | 6475 | 4123 | 589 | 589 | 4 R | 4 I | 313 | 313 |
| | | NC | 11229 | 765 | 255 | 255 | 0 R | 0 I | -- | -- |
| | Ply | All | 47670 I | 47823 I | 296 | 297 | 0 | 0 I | -- | -- |
| | | C | 706 I | 344 I | 141 | 69 | 0 | 0 I | -- | -- |
| | | NC | 46964 | 47479 | 301 | 304 | 0 | 0 I | -- | -- |
| | **Logs** | **All** | **2849065** | **2754199** | **55** | **57** | **996180** | **872060** | **61** | **59** |
| | | **C** | **1280505** | **1296187** | **45** | **48** | **464863** | **452296** | **43** | **47** |
| | | **NC** | **1568560** | **1458012** | **68** | **68** | **531317** | **419764** | **95** | **80** |
| | **Sawn** | **All** | **7764446** | **8118783** | **200** | **210** | **5859692** | **6536634** | **177** | **189** |
| | | **C** | **4866110** | **5306077** | **155** | **166** | **4953279** | **5633598** | **160** | **173** |
| | | **NC** | **2898336** | **2812705** | **394** | **424** | **906412** | **903035** | **440** | **447** |
| | **Ven** | **All** | **1013059** | **1033716** | **1201** | **1109** | **707816** | **710126** | **1435** | **1393** |
| **EU** | | **C** | **121701** | **144692** | **727** | **708** | **80730** | **93822** | **536** | **659** |
| | | **NC** | **891357** | **889025** | **1318** | **1222** | **627086** | **616304** | **1830** | **1677** |
| | **Ply** | **All** | **2078611** | **2007034** | **405** | **399** | **1315292** | **1333010** | **505** | **521** |
| | | **C** | **749045** | **732270** | **354** | **348** | **506301** | **534059** | **389** | **410** |
| | | **NC** | **1329566** | **1274764** | **441** | **436** | **808991** | **798951** | **621** | **635** |
| | **Total** | **All** | **13705181** | **13913732** | **--** | **--** | **8878979** | **9451831** | **--** | **--** |
| | | **C** | **7017362** | **7479226** | **--** | **--** | **6005174** | **6713776** | **--** | **--** |
| | | **NC** | **6687819** | **6434507** | **--** | **--** | **2873806** | **2738055** | **--** | **--** |
| Austria | Logs | All | 370227 | 399764 | 49 | 55 | 67300 | 67609 | 72 | 78 |
| | | C | 313031 | 340908 | 51 | 56 | 31051 | 33325 | 63 | 67 |
| | | NC | 57197 | 58856 | 42 | 47 | 36250 | 34285 | 82 | 93 |
| | Sawn | All | 231362 | 251699 | 175 | 186 | 953451 | 1047624 | 157 | 163 |
| | | C | 156094 | 170844 | 139 | 150 | 895366 | 992225 | 151 | 158 |
| | | NC | 75268 | 80854 | 386 | 380 | 58085 | 55399 | 382 | 417 |
| | Ven | All | 51900 | 48705 | 1674 | 1571 | 44143 | 59018 | 1839 | 2035 |
| | | C | 4050 | 4423 | 675 | 632 | 4467 | 6984 | 1489 | 1397 |
| | | NC | 47850 | 44281 | 1914 | 1845 | 39676 | 52034 | 1889 | 2168 |
| | Ply | All | 71901 | 75127 | 521 | 482 | 127250 | 133567 | 445 | 557 |
| | | C | 28606 | 32604 | 454 | 447 | 101513 | 101435 | 408 | 518 |
| | | NC | 43295 | 42522 | 577 | 512 | 25738 | 32133 | 696 | 730 |
| Belgium | Logs | All | 126373 C | 93746 C | 28 | 35 | 72150 G | 64577 G | 72 | 64 |
| | | C | 51448 C | 37403 C | 22 | 35 | 36270 G | 33852 G | 55 | 50 |
| | | NC | 74925 C | 56343 C | 35 | 35 | 35879 G | 30725 G | 107 | 94 |
| | Sawn | All | 457042 C | 453313 C | 231 | 287 | 262331 C | 257476 C | 268 | 336 |
| | | C | 203887 C | 221938 C | 147 | 167 | 106787 C | 119405 C | 159 | 223 |
| | | NC | 253155 C | 231375 C | 427 | 922 | 155544 C | 138071 C | 508 | 595 |
| | Ven | All | 45978 C | 49369 C | 1352 | 1073 | 40412 C | 47488 C | 1882 | 1079 |
| | | C | 8273 C | 9344 C | 1379 | 779 | 1803 C | 13320 C | 3278 | 2664 |
| | | NC | 37705 C | 40025 C | 1347 | 1177 | 38609 C | 34168 C | 1846 | 876 |
| | Ply | All | 183546 C | 167571 C | 349 | 334 | 152182 C | 149195 C | 403 | 414 |
| | | C | 40831 C | 43689 C | 249 | 247 | 23461 C | 24232 C | 262 | 255 |
| | | NC | 142716 C | 123882 C | 394 | 381 | 128721 C | 124963 C | 447 | 472 |

# Table 1-2-a. Trade of All Timber by ITTO Consumers - Value (1000 $ and $/m$^3$)

| | | | Imports | | | | Exports | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Value | | Unit Value | | Value | | Unit Value | |
| Country | Product | Species | 2001 | 2002 | 2001 | 2002 | 2001 | 2002 | 2001 | 2002 |
| Denmark | Logs | All | 36296 | 34452 | 81 | 68 | 47113 | 21888 | 65 | 39 |
| | | C | 15864 | 19253 | 128 | 99 | 20311 | 7254 | 34 | 46 |
| | | NC | 20432 | 15199 | 63 | 49 | 26801 | 14634 | 199 | 36 |
| | Sawn | All | 448412 | 460919 | 169 | 171 | 46151 | 63628 | 325 | 173 |
| | | C | 360797 | 377949 | 146 | 155 | 18629 | 35632 | 222 | 122 |
| | | NC | 87615 | 82971 | 452 | 325 | 27522 | 27996 | 475 | 373 |
| | Ven | All | 42786 | 44539 | 910 | 610 | 10697 | 9799 | 2139 | 653 |
| | | C | 3365 | 9162 | 374 | 316 | 240 | 127 | -- | -- |
| | | NC | 39421 | 35377 | 1037 | 804 | 10456 | 9671 | 2091 | 645 |
| | Ply | All | 79202 | 76481 | 317 | 291 | 20191 | 26724 | 388 | 334 |
| | | C | 35455 | 36141 | 255 | 218 | 13581 | 15271 | 357 | 347 |
| | | NC | 43747 | 40340 | 394 | 417 | 6610 | 11453 | 472 | 318 |
| Finland | Logs | All | 414947 | 469932 | 35 | 37 | 33750 | 34739 | 85 | 86 |
| | | C | 192085 | 244126 | 37 | 40 | 28895 | 30776 | 76 | 79 |
| | | NC | 222862 | 225806 | 34 | 35 | 4855 | 3963 | 286 | 307 |
| | Sawn | All | 68233 | 61907 | 244 | 240 | 1268732 | 1362695 | 156 | 166 |
| | | C | 22544 | 23132 | 110 | 121 | 1260839 | 1355150 | 155 | 166 |
| | | NC | 45689 | 38775 | 609 | 582 | 7893 | 7545 | 359 | 383 |
| | Ven | All | 10869 | 10475 | 756 | 485 | 39912 | 36306 | 411 | 482 |
| | | C | 753 | 850 | 2091 | 2606 | 22242 | 18699 | 268 | 301 |
| | | NC | 10117 | 9625 | 722 | 452 | 17669 | 17607 | 1262 | 1332 |
| | Ply | All | 19553 | 25827 | 328 | 364 | 484649 | 527233 | 480 | 472 |
| | | C | 983 | 2193 | 313 | 410 | 171419 | 199430 | 330 | 321 |
| | | NC | 18570 | 23634 | 329 | 361 | 313230 | 327803 | 641 | 662 |
| France | Logs | All | 246654 | 225029 | 124 | 113 | 272542 | 213772 | 53 | 55 |
| | | C | 33833 | 39004 | 44 | 46 | 94660 | 63736 | 30 | 30 |
| | | NC | 212821 | 186025 | 174 | 164 | 177882 | 150036 | 91 | 85 |
| | Sawn | All | 724163 | 731204 | 218 | 223 | 272188 | 278989 | 207 | 196 |
| | | C | 430290 | 483339 | 161 | 176 | 89244 | 100428 | 121 | 122 |
| | | NC | 293872 | 247865 | 443 | 462 | 182944 | 178561 | 316 | 298 |
| | Ven | All | 94107 | 108124 | 809 | 830 | 101908 | 93624 | 1406 | 1300 |
| | | C | 22332 | 25145 | 455 | 544 | 4316 | 4575 | 776 | 915 |
| | | NC | 71776 | 82979 | 1066 | 988 | 97592 | 89049 | 1459 | 1329 |
| | Ply | All | 179353 | 179562 | 502 | 475 | 141470 | 135087 | 706 | 614 |
| | | C | 66803 | 65499 | 491 | 428 | 27884 | 27713 | 372 | 308 |
| | | NC | 112550 | 114063 | 508 | 507 | 113586 | 107374 | 905 | 826 |
| Germany | Logs | All | 286500 | 222033 | 82 | 90 | 343402 | 288699 | 70 | 65 |
| | | C | 152713 | 111377 | 50 | 52 | 159268 | 166256 | 47 | 53 |
| | | NC | 133787 | 110656 | 316 | 340 | 184133 | 122443 | 122 | 95 |
| | Sawn | All | 954493 | 944721 | 191 | 196 | 801214 | 909661 | 196 | 205 |
| | | C | 700295 | 703265 | 164 | 168 | 539617 | 646283 | 154 | 168 |
| | | NC | 254198 | 241456 | 358 | 375 | 261597 | 263378 | 446 | 447 |
| | Ven | All | 218325 | 199033 | 1339 | 1244 | 253277 | 242318 | 2043 | 2089 |
| | | C | 8779 | 10331 | 732 | 1033 | 3708 | 3081 | 1854 | 3081 |
| | | NC | 209546 | 188702 | 1388 | 1258 | 249569 | 239238 | 2046 | 2080 |
| | Ply | All | 440591 | 390692 | 389 | 386 | 125277 E | 104629 E | 531 | 652 |
| | | C | 179113 I | 159086 | 373 | 387 | 58596 I | 52204 I | 531 | 652 |
| | | NC | 261478 I | 231606 | 401 | 386 | 66681 I | 52204 I | 531 | 650 |
| Greece | Logs | All | 27466 | 24687 | 75 | 79 | 191 | 9 | 191 | 232 |
| | | C | 2719 | 2785 | 49 | 52 | 3 | 4 | -- | -- |
| | | NC | 24747 | 21902 | 80 | 84 | 188 | 5 | 188 | 132 |
| | Sawn | All | 136819 | 228223 | 179 | 272 | 5121 | 4304 | 320 | 307 |
| | | C | 83466 | 159234 | 143 | 245 | 213 | 634 | 213 | 159 |
| | | NC | 53353 | 68989 | 296 | 365 | 4909 | 3670 | 327 | 367 |
| | Ven | All | 20020 | 24245 | 1438 | 1099 | 3284 | 2543 | 2002 | 287 |
| | | C | 2417 | 7822 | 751 | 618 | 3157 | 2046 | 2162 | 993 |
| | | NC | 17603 | 16424 | 1645 | 1747 | 127 | 497 | 704 | 73 |
| | Ply | All | 12562 | 7531 | 416 | 443 | 2434 | 308 | 406 | 308 |
| | | C | 4796 | 2807 | 416 | 468 | 294 | 74 | 294 | -- |
| | | NC | 7765 | 4723 | 415 | 429 | 2140 | 234 | 428 | 234 |

# Table 1-2-a. Trade of All Timber by ITTO Consumers - Value (1000 $ and $/m$^3$)

| | | | Imports | | | | Exports | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Value | | Unit Value | | Value | | Unit Value | |
| Country | Product | Species | 2001 | 2002 | 2001 | 2002 | 2001 | 2002 | 2001 | 2002 |
| Ireland | Logs | All | 24218 C | 22125 | 245 | 160 | 8216 C | 6870 C | 161 | 55 |
| | | C | 9315 C | 7764 | 150 | 111 | 7917 C | 6791 C | 158 | 55 |
| | | NC | 14903 C | 14360 | 403 | 211 | 299 C | 79 C | 299 | -- |
| | Sawn | All | 161824 C | 153011 | 244 | 182 | 36669 C | 54175 C | 192 | 171 |
| | | C | 103271 C | 111489 | 183 | 147 | 32516 C | 48512 C | 175 | 157 |
| | | NC | 58553 C | 41523 | 591 | 483 | 4153 C | 5663 C | 831 | 809 |
| | Ven | All | 6351 C | 8420 | 1809 | 648 | 1349 C | 1253 C | 1349 | 1253 |
| | | C | 2536 C | 2887 | 2536 | 1444 | 175 C | 328 C | -- | -- |
| | | NC | 3814 C | 5533 | 1520 | 503 | 1174 C | 925 C | 1174 | 925 |
| | Ply | All | 44694 C | 41324 | 278 | 260 | 714 C | 226 C | 102 | 226 |
| | | C | 19269 C | 19678 | 224 | 219 | 430 C | 179 C | 86 | 179 |
| | | NC | 25425 C | 21646 | 339 | 314 | 284 C | 47 C | 142 | -- |
| Italy | Logs | All | 434122 | 416053 | 83 | 79 | 2867 | 7546 | 125 | 472 |
| | | C | 149805 | 158856 | 66 | 67 | 915 | 927 | 305 | 309 |
| | | NC | 284317 | 257196 | 97 | 88 | 1952 | 6619 | 98 | 509 |
| | Sawn | All | 1452214 | 1532775 | 187 | 195 | 107425 | 110632 | 545 | 592 |
| | | C | 836862 | 905860 | 141 | 149 | 12313 | 13238 | 246 | 241 |
| | | NC | 615352 | 626916 | 335 | 355 | 95112 | 97394 | 647 | 738 |
| | Ven | All | 209818 | 233557 | 1206 | 1276 | 84828 | 94557 | 3393 | 3377 |
| | | C | 12815 | 14184 | 1831 | 1576 | 8972 | 8510 | 2991 | 2128 |
| | | NC | 197004 | 219373 | 1180 | 1261 | 75856 | 86047 | 3448 | 3585 |
| | Ply | All | 191432 | 218428 | 450 | 448 | 122194 | 114415 | 978 | 817 |
| | | C | 69429 | 75646 | 416 | 394 | 43344 | 38769 | 735 | 902 |
| | | NC | 122003 | 142782 | 473 | 482 | 78850 | 75646 | 1195 | 780 |
| Luxembourg | Logs | All | 15537 | 15762 | 23 | 17 | 8346 | 6636 | 41 | 52 |
| | | C | 14598 | 14804 | 23 | 17 | 6311 | 4899 | 42 | 59 |
| | | NC | 940 | 958 | 18 | 17 | 2036 | 1737 | 39 | 38 |
| | Sawn | All | 12321 | 10863 | 175 | 214 | 4953 | 6331 | 177 | 182 |
| | | C | 7941 | 6262 | 165 | 174 | 4604 | 5926 | 165 | 174 |
| | | NC | 4381 | 4601 | 199 | 311 | 349 | 405 | 4366 | 632 |
| | Ven | All | 511 | 642 | 1065 | 1107 | 1 E | 9 | -- | 946 |
| | | C | 288 | 396 | 1065 | 1101 | 1 | 1 | -- | -- |
| | | NC | 224 | 246 | 1066 | 1118 | 0 E | 9 | -- | 851 |
| | Ply | All | 3276 | 3449 | 232 | 438 | 125 | 142 | 418 | 458 |
| | | C | 1313 | 889 | 139 | 438 | 50 | 50 | 418 | 456 |
| | | NC | 1963 | 2561 | 416 | 438 | 75 | 92 | 418 | 459 |
| Netherlands | Logs | All | 36464 | 36586 | 84 | 72 | 20303 | 15772 | 49 | 44 |
| | | C | 13605 | 18678 | 51 | 53 | 14292 | 12739 | 43 | 45 |
| | | NC | 22859 | 17908 | 134 | 115 | 6011 | 3033 | 72 | 37 |
| | Sawn | All | 668144 | 676822 | 203 | 224 | 102600 | 110759 | 337 | 311 |
| | | C | 383854 | 396938 | 144 | 162 | 49820 | 48883 | 236 | 222 |
| | | NC | 284289 | 279884 | 455 | 494 | 52780 | 61876 | 565 | 456 |
| | Ven | All | 16596 | 19850 | 738 | 797 | 16160 | 14174 | 973 | 1233 |
| | | C | 5089 | 6866 | 467 | 582 | 361 | 396 | 1805 | 1981 |
| | | NC | 11507 | 13079 | 992 | 998 | 15799 | 13778 | 963 | 1219 |
| | Ply | All | 243859 | 224410 | 406 | 415 | 30015 | 28171 | 531 | 658 |
| | | C | 80953 | 59970 | 281 | 267 | 5980 | 2937 | 334 | 420 |
| | | NC | 162905 | 164440 | 521 | 521 | 24035 | 25234 | 623 | 705 |
| Portugal | Logs | All | 125939 | 116347 | 114 | 109 | 42618 | 43617 | 53 | 54 |
| | | C | 7024 | 3809 | 51 | 16 | 5968 | 5508 | 49 | 66 |
| | | NC | 118915 | 112538 | 122 | 136 | 36650 | 38109 | 53 | 53 |
| | Sawn | All | 98313 | 106145 | 390 | 387 | 39483 | 38805 | 141 | 155 |
| | | C | 12262 | 12425 | 245 | 264 | 35761 | 33076 | 131 | 141 |
| | | NC | 86051 | 93721 | 426 | 413 | 3722 | 5729 | 414 | 382 |
| | Ven | All | 36087 | 35567 | 950 | 741 | 16085 | 17366 | 402 | 404 |
| | | C | 5111 | 6003 | 1022 | 1001 | 8065 | 7780 | 252 | 251 |
| | | NC | 30975 | 29563 | 939 | 704 | 8020 | 9586 | 1003 | 799 |
| | Ply | All | 13938 | 12059 | 436 | 502 | 2884 | 4660 | 481 | 424 |
| | | C | 4213 | 4248 | 468 | 472 | 2591 | 4352 | 518 | 435 |
| | | NC | 9725 | 7810 | 423 | 521 | 293 | 307 | 293 | 307 |

# Table 1-2-a. Trade of All Timber by ITTO Consumers - Value (1000 $ and $/m$^3$)

| | | | Imports | | | | Exports | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Value | | Unit Value | | Value | | Unit Value | |
| Country | Product | Species | 2001 | 2002 | 2001 | 2002 | 2001 | 2002 | 2001 | 2002 |
| Spain | Logs | All | 263636 | 205296 | 64 | 63 | 15678 | 10621 | 39 | 27 |
| | | C | 51877 | 36939 | 33 | 29 | 5383 | 3204 | 29 | 12 |
| | | NC | 211759 | 168357 | 82 | 85 | 10295 | 7417 | 48 | 56 |
| | Sawn | All | 709108 | 720821 | 221 | 230 | 48632 | 60481 | 333 | 451 |
| | | C | 308703 | 337268 | 147 | 161 | 19781 | 27001 | 198 | 287 |
| | | NC | 400405 | 383552 | 360 | 371 | 28851 | 33480 | 627 | 837 |
| | Ven | All | 149643 C | 151051 C | 1227 | 1301 | 63601 C | 53661 C | 1387 | 1278 |
| | | C | 22132 C | 21374 C | 763 | 698 | 11301 C | 10353 C | 1326 | 863 |
| | | NC | 127511 C | 129677 C | 1371 | 1516 | 52300 C | 43308 C | 1401 | 1444 |
| | Ply | All | 68826 C | 64166 C | 675 | 530 | 59382 | 59257 | 427 | 723 |
| | | C | 15919 C | 19015 C | 679 | 524 | 26913 | 31999 | 427 | 865 |
| | | NC | 52907 C | 45151 C | 674 | 533 | 32469 | 27258 | 427 | 606 |
| Sweden | Logs | All | 362947 | 387296 | 38 | 42 | 51767 | 79074 | 40 | 45 |
| | | C | 225768 | 216135 | 40 | 42 | 50482 | 77668 | 40 | 45 |
| | | NC | 137179 | 171161 | 36 | 43 | 1285 | 1406 | 43 | 50 |
| | Sawn | All | 95633 | 110180 | 320 | 251 | 1864684 | 2170937 | 170 | 189 |
| | | C | 23063 | 42914 | 159 | 131 | 1853246 | 2160978 | 169 | 189 |
| | | NC | 72570 | 67266 | 471 | 606 | 11438 | 9959 | 440 | 453 |
| | Ven | All | 44002 | 42338 | 1506 | 1512 | 15659 | 19311 | 1205 | 1073 |
| | | C | 7058 | 7459 | 548 | 622 | 8411 | 11288 | 841 | 868 |
| | | NC | 36944 | 34879 | 2262 | 2180 | 7248 | 8024 | 2416 | 1605 |
| | Ply | All | 66113 | 66195 | 421 | 435 | 21348 E | 22501 E | 388 | 469 |
| | | C | 27964 E | 33101 | 341 | 364 | 17079 E | 18001 E | 388 | 474 |
| | | NC | 38149 E | 33094 | 509 | 543 | 4270 E | 4500 E | 388 | 450 |
| U.K. | Logs | All | 77737 | 85092 | 220 | 175 | 9937 | 10631 | 95 | 119 |
| | | C | 46820 | 44346 | 183 | 121 | 3137 | 5358 | 228 | 169 |
| | | NC | 30917 | 40746 | 319 | 338 | 6800 | 5273 | 75 | 91 |
| | Sawn | All | 1546365 | 1676180 | 195 | 203 | 46056 | 60138 | 215 | 205 |
| | | C | 1232781 | 1353222 | 171 | 178 | 34544 | 46229 | 171 | 163 |
| | | NC | 313585 | 322958 | 449 | 476 | 11512 | 13909 | 976 | 1268 |
| | Ven | All | 66065 | 57706 | 1920 | 1678 | 16501 | 18699 | 2621 | 3105 |
| | | C | 16704 | 18445 | 1060 | 1204 | 3511 | 6335 | 2439 | 3293 |
| | | NC | 49361 | 39262 | 2648 | 2059 | 12990 | 12364 | 2674 | 3016 |
| | Ply | All | 459765 | 454214 | 402 | 399 | 25175 | 27118 | 504 | 474 |
| | | C | 173398 | 177703 | 382 | 378 | 13167 | 17413 | 516 | 450 |
| | | NC | 286367 | 276511 | 414 | 414 | 12008 | 9705 | 491 | 524 |
| Japan | Logs | All | 1873114 | 1596302 | 135 | 126 | 531 | 717 | 266 | 359 |
| | | C | 1475023 | 1229239 | 131 | 120 | 367 | 443 | 184 | 222 |
| | | NC | 398091 | 367063 | 152 | 153 | 164 | 274 | -- | -- |
| | Sawn | All | 2686881 | 2429441 | 299 | 283 | 7375 | 10399 | 738 | 473 |
| | | C | 2156934 | 1969422 | 269 | 255 | 1699 | 2019 | 425 | 673 |
| | | NC | 529947 | 460019 | 556 | 534 | 5676 | 8380 | 946 | 441 |
| | Ven | All | 91298 | 79007 | 830 | 790 | 10322 | 10331 | 1475 | 1476 |
| | | C | 17625 | 13671 | 1037 | 977 | 263 | 239 | -- | -- |
| | | NC | 73673 | 65336 | 792 | 760 | 10059 | 10092 | 1437 | 1442 |
| | Ply | All | 1697981 | 1728634 | 338 | 338 | 7966 | 8938 | 664 | 688 |
| | | C | 154277 | 135699 | 420 | 429 | 2714 | 2258 | 302 | 753 |
| | | NC | 1543704 | 1592935 | 332 | 332 | 5252 | 6680 | 1751 | 668 |
| Nepal | Logs | All | 0 I | 0 | -- | -- | 0 I | 0 I | -- | -- |
| | | C | 0 I | 0 | -- | -- | 0 I | 0 I | -- | -- |
| | | NC | 0 I | 0 | -- | -- | 0 I | 0 I | -- | -- |
| | Sawn | All | 0 I | 0 | -- | -- | 0 I | 0 I | -- | -- |
| | | C | 0 I | 0 | -- | -- | 0 I | 0 I | -- | -- |
| | | NC | 0 I | 0 | -- | -- | 0 I | 0 I | -- | -- |
| | Ven | All | 0 I | 800 | -- | 800 | 0 I | 678 I | -- | 800 |
| | | C | 0 I | 0 | -- | -- | 0 I | 0 I | -- | -- |
| | | NC | 0 I | 800 | -- | 800 | 0 I | 678 I | -- | 800 |
| | Ply | All | 0 I | 0 | -- | -- | 0 I | 0 I | -- | -- |
| | | C | 0 I | 0 | -- | -- | 0 I | 0 I | -- | -- |
| | | NC | 0 I | 0 | -- | -- | 0 I | 0 I | -- | -- |

# Table 1-2-a. Trade of All Timber by ITTO Consumers - Value (1000 $ and $/m$^3$)

| | | | Imports | | | | Exports | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Value | | Unit Value | | Value | | Unit Value | |
| Country | Product | Species | 2001 | 2002 | 2001 | 2002 | 2001 | 2002 | 2001 | 2002 |
| New Zealand | Logs | All | 1717 | 1224 | 292 | 229 | 297689 | 358993 | 41 | 46 |
| | | C | 11 | 22 | 139 | 140 | 297627 | 358765 | 41 | 46 |
| | | NC | 1706 | 1203 | 295 | 232 | 63 | 228 | 246 | 49 |
| | Sawn | All | 18223 | 22481 | 565 | 620 | 337937 | 429326 | 209 | 234 |
| | | C | 8028 | 11840 | 710 | 685 | 337127 | 428738 | 209 | 234 |
| | | NC | 10194 | 10640 | 487 | 562 | 810 | 587 | 387 | 566 |
| | Ven | All | 1598 | 1615 | 1412 | 1563 | 7701 | 21064 | 213 | 275 |
| | | C | 19 | 40 | 935 | 1340 | 7657 | 20961 | 212 | 274 |
| | | NC | 1579 | 1574 | 1420 | 1570 | 45 | 103 | 1277 | 993 |
| | Ply | All | 6738 | 8580 | 843 | 700 | 61086 | 66164 | 607 | 643 |
| | | C | 3815 | 2112 | 911 | 12281 | 60904 | 65024 | 607 | 644 |
| | | NC | 2923 | 6467 | 769 | 535 | 182 | 1141 | 799 | 604 |
| Norway | Logs | All | 123830 | 118795 | 45 | 43 | 15311 | 18732 | 32 | 34 |
| | | C | 92820 | 87948 | 40 | 41 | 14905 | 18554 | 32 | 34 |
| | | NC | 31010 | 30847 | 71 | 55 | 406 | 178 | 45 | 36 |
| | Sawn | All | 222526 | 227421 | 226 | 244 | 87904 | 100593 | 151 | 163 |
| | | C | 178361 | 189250 | 196 | 219 | 86460 | 97505 | 150 | 159 |
| | | NC | 44165 | 38171 | 574 | 578 | 1444 | 3088 | 361 | 618 |
| | Ven | All | 11862 [I] | 10543 | 474 | 458 | 217 | 604 | 2583 | 891 |
| | | C | 1373 | 1771 | 687 | 221 | 31 | 62 | -- | -- |
| | | NC | 10489 [I] | 8772 | 456 | 585 | 186 | 542 [I] | 2214 | 800 |
| | Ply | All | 40366 | 42782 | 807 | 437 | 3123 | 4158 | 781 | 1040 |
| | | C | 17908 | 17174 | 814 | 452 | 539 | 571 | -- | -- |
| | | NC | 22458 | 25608 | 802 | 427 | 2583 | 3587 | 646 | 897 |
| Rep. of Korea | Logs | All | 536113 | 597370 | 75 | 78 | 24 | 20 | -- | -- |
| | | C | 422910 | 500073 | 67 | 72 | 12 | 13 | -- | -- |
| | | NC | 113203 | 97297 | 147 | 147 | 12 | 7 | -- | -- |
| | Sawn | All | 223743 | 233203 | 294 | 275 | 9024 | 7408 | 451 | 529 |
| | | C | 54951 | 63402 | 222 | 189 | 4886 | 4661 | 444 | 518 |
| | | NC | 168792 | 169801 | 328 | 331 | 4138 | 2747 | 460 | 549 |
| | Ven | All | 93096 | 112163 | 278 | 288 | 3518 | 880 | 704 | -- |
| | | C | 5203 | 2660 | 434 | 380 | 1047 | 179 | 524 | -- |
| | | NC | 87893 | 109504 | 272 | 286 | 2471 | 701 | 824 | -- |
| | Ply | All | 311991 | 382350 | 285 | 286 | 27877 | 18043 | 398 | 401 |
| | | C | 30524 | 26070 | 744 | 555 | 6468 | 4825 | 498 | 483 |
| | | NC | 281467 | 356280 | 267 | 276 | 21409 | 13218 | 376 | 378 |
| Switzerland | Logs | All | 19088 | 20808 | 78 | 60 | 128980 | 98943 | 41 | 50 |
| | | C | 4265 | 7020 | 31 | 31 | 109222 | 81183 | 38 | 46 |
| | | NC | 14823 | 13788 | 135 | 113 | 19758 | 17760 | 81 | 88 |
| | Sawn | All | 153455 | 142902 | 330 | 333 | 28354 | 31833 | 175 | 149 |
| | | C | 111609 | 105336 | 280 | 299 | 17975 | 22960 | 149 | 141 |
| | | NC | 41847 | 37566 | 624 | 488 | 10379 | 8872 | 253 | 177 |
| | Ven | All | 16004 | 13692 | 3201 | 2738 | 25920 | 22029 | 2592 | 2448 |
| | | C | 2019 | 1852 | 2019 | 1852 | 2328 | 2418 | 2328 | 2418 |
| | | NC | 13985 | 11840 | 3496 | 2960 | 23592 | 19611 | 2621 | 2451 |
| | Ply | All | 116136 | 108656 | 815 | 846 | 6359 | 5475 | 1504 | 1369 |
| | | C | 63667 | 59051 | 667 | 695 | 647 | 719 | 1008 | 719 |
| | | NC | 52470 | 49605 | 1114 | 1140 | 5712 | 4756 | 1593 | 1585 |
| U.S.A. | Logs | All | 194428 | 214196 | 31 | 32 | 1256987 | 1223583 | 110 | 111 |
| | | C | 151875 | 171714 | 26 | 32 | 824404 | 739619 | 95 | 94 |
| | | NC | 42553 | 42482 | 128 | 34 | 432583 | 483964 | 160 | 156 |
| | Sawn | All | 6847047 | 6625058 | 194 | 177 | 1753576 | 1689929 | 387 | 374 |
| | | C | 6385206 | 6156700 | 189 | 173 | 528017 | 448947 | 321 | 273 |
| | | NC | 461841 | 468358 | 324 | 269 | 1225559 | 1240981 | 425 | 431 |
| | Ven | All | 419834 | 454677 | 1061 | 1039 | 404796 | 457609 | 1326 | 1327 |
| | | C | 122183 | 136110 | 627 | 614 | 30468 | 39694 | 1467 | 1640 |
| | | NC | 297651 | 318567 | 1482 | 1476 | 374328 | 417916 | 1315 | 1303 |
| | Ply | All | 973818 | 1225345 | 324 | 358 | 161808 | 158589 | 305 | 318 |
| | | C | 214444 | 278564 | 285 | 272 | 110813 | 102920 | 284 | 294 |
| | | NC | 759375 | 946781 | 336 | 394 | 50995 | 55669 | 365 | 376 |

## Table 1-2-a. Trade of All Timber by ITTO Consumers - Value (1000 $ and $/m$^3$)

| | | | Imports | | | | Exports | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Value | | Unit Value | | Value | | Unit Value | |
| Country | Product | Species | 2001 | 2002 | 2001 | 2002 | 2001 | 2002 | 2001 | 2002 |
| | **Logs** | **All** | **7966147** | **8061543** | **74** | **72** | **3055293** | **3051936** | **70** | **72** |
| | | **C** | **4215628** | **4524658** | **61** | **62** | **2000992** | **2046252** | **58** | **62** |
| | | **NC** | **3750519** | **3536885** | **96** | **91** | **1054301** | **1005684** | **117** | **108** |
| | **Sawn** | **All** | **20485577** | **20759145** | **213** | **209** | **15843803** | **16046713** | **205** | **201** |
| | | **C** | **14401116** | **14687680** | **181** | **179** | **13112823** | **13314910** | **186** | **182** |
| | | **NC** | **6084461** | **6071464** | **362** | **352** | **2730980** | **2731803** | **406** | **397** |
| | **Ven** | **All** | **2019074** | **2105193** | **751** | **745** | **1574638** | **1671000** | **888** | **866** |
| **Consumers Total** | | **C** | **306388** | **336669** | **622** | **587** | **245383** | **286147** | **357** | **378** |
| | | **NC** | **1712686** | **1768525** | **780** | **785** | **1329255** | **1384854** | **1224** | **1181** |
| | **Ply** | **All** | **5981538** | **6247282** | **356** | **356** | **2243345** | **2459851** | **415** | **400** |
| | | **C** | **1312966** | **1346645** | **357** | **336** | **1004189** | **1103572** | **336** | **332** |
| | | **NC** | **4668572** | **4900637** | **356** | **363** | **1239156** | **1356279** | **511** | **479** |
| | **Total** | **All** | **36452336** | **37173162** | **--** | **--** | **22717078** | **23229499** | **--** | **--** |
| | | **C** | **20236099** | **20895653** | **--** | **--** | **16363386** | **16750881** | **--** | **--** |
| | | **NC** | **16216237** | **16277511** | **--** | **--** | **6353692** | **6478619** | **--** | **--** |
| | **Logs** | **All** | **8742408** | **8657807** | **77** | **75** | **5800361** | **4948886** | **96** | **88** |
| | | **C** | **4229057** | **4538135** | **61** | **62** | **2018400** | **2062407** | **58** | **61** |
| | | **NC** | **4513350** | **4119672** | **104** | **98** | **3781961** | **2886478** | **148** | **128** |
| | **Sawn** | **All** | **21007823** | **21356112** | **212** | **207** | **18802836** | **19015349** | **216** | **210** |
| | | **C** | **14500776** | **14797409** | **181** | **179** | **13407665** | **13624969** | **187** | **182** |
| | | **NC** | **6507046** | **6558703** | **340** | **323** | **5395170** | **5390380** | **352** | **346** |
| | **Ven** | **All** | **2125669** | **2212092** | **731** | **710** | **1939363** | **2056510** | **650** | **620** |
| **ITTO Total** | | **C** | **318545** | **352338** | **631** | **592** | **251828** | **295633** | **356** | **342** |
| | | **NC** | **1807124** | **1859756** | **753** | **738** | **1687536** | **1760877** | **741** | **717** |
| | **Ply** | **All** | **6058255** | **6333537** | **357** | **357** | **5523613** | **5792157** | **329** | **330** |
| | | **C** | **1348545** | **1386828** | **360** | **338** | **1167619** | **1355527** | **329** | **307** |
| | | **NC** | **4709711** | **4946709** | **356** | **363** | **4355994** | **4436630** | **329** | **338** |
| | **Total** | **All** | **37934155** | **38559549** | **--** | **--** | **32066173** | **31812901** | **--** | **--** |
| | | **C** | **20396923** | **21074710** | **--** | **--** | **16845512** | **17338536** | **--** | **--** |
| | | **NC** | **17537232** | **17484840** | **--** | **--** | **15220661** | **14474365** | **--** | **--** |

# Table 1-2-b. Trade of Tropical Timber by ITTO Consumers - Value (1000 $ and $/m$^3$)

| | | Imports | | | | Exports | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | Value | | Unit Value | | Value | | Unit Value | |
| Country | Product | 2001 | 2002 | 2001 | 2002 | 2001 | 2002 | 2001 | 2002 |
| Australia | Logs | 107 | 443 | 587 | 505 | 6832 | 8591 | 481 | 505 |
| | Sawn | 12051 | 6327 | 488 | 513 | 197 | 594 | 489 | 513 |
| | Ven | 2558 | 2129 | 2455 | 2580 | 206 | 196 | 507 | 447 |
| | Ply | 5691 | 10629 | 468 | 455 | 1043 | 91 | 433 | 154 |
| Canada | Logs | 773 | 1135 | 193 | 284 | 293 | 991 | 147 | 248 |
| | Sawn | 16872 | 16911 | 511 | 470 | 1532 | 3372 | 766 | 562 |
| | Ven | 13178 | 14795 | 694 | 822 | 2421 | 2210 | 484 | 552 |
| | Ply | 22875 | 31937 | 83 | 206 | 11315 | 13947 | 343 | 349 |
| China | Logs | 956402 | 907949 | 138 | 131 | 3561 | 2212 | 307 | 265 |
| | Sawn | 734252 | 632611 | 253 | 221 | 117372 | 40583 | 375 | 586 |
| | Ven | 64069 * | 42103 | 220 | 261 | 5546 * | 8717 | 450 | 274 |
| | Ply | 216650 I | 249369 | 350 | 428 | 41291 G | 99484 | 217 | 228 |
| (Hong Kong | Logs | 88567 G | 45354 G | 167 | 182 | 741 G | 124 G | 594 | 542 |
| S.A.R.) | Sawn | 210954 G | 244189 G | 364 | 350 | 1461 G | 1038 G | 342 | 492 |
| | Ven | 21667 G | 26361 G | 227 | 162 | 178 G | 965 G | 1756 | 2629 |
| | Ply | 90538 G | 69580 G | 296 | 283 | 4136 G | 6412 G | 298 | 446 |
| (Macao S.A.R.) | Logs | 2 C | 0 | 210 | -- | 5 C | 0 I | 348 | -- |
| | Sawn | 287 C | 268 | 144 | 136 | 167 C | 215 C | 102 | 109 |
| | Ven | 2 C | 0 | 799 | -- | 3 C | 0 I | 415 | -- |
| | Ply | 2460 C | 2163 | 164 | 150 | 756 C | 714 C | 142 | 131 |
| (Taiwan | Logs | 94781 *W | 103057 *W | 106 | 121 | 820 | 741 | 756 | 789 |
| Province of | Sawn | 85888 *W | 94306 *W | 285 | 286 | 488 | 1117 | 706 | 453 |
| China) | Ven | 32696 *W | 36597 *W | 276 | 296 | 151 | 220 | 251 | 804 |
| | Ply | 110260 *W | 123805 *W | 271 | 256 | 10736 | 12533 | 618 | 577 |
| Egypt | Logs | 2100 I | 2100 | 700 | 700 | 0 R | 0 I | -- | -- |
| | Sawn | 27 | 900 | -- | 300 | 43 | 43 I | -- | -- |
| | Ven | 11171 | 762 | 254 | 254 | 0 | 0 I | -- | -- |
| | Ply | 46937 | 47240 | 301 | 303 | 0 | 0 I | -- | -- |
| **EU** | **Logs** | **484662** | **474262** | **213** | **210** | **44206** | **35122** | **398** | **325** |
| | **Sawn** | **1213092** | **1177098** | **462** | **455** | **218741** | **223265** | **581** | **517** |
| | **Ven** | **238347** | **257113** | **930** | **892** | **125390** | **118818** | **1296** | **1156** |
| | **Ply** | **656655** | **629464** | **461** | **475** | **303336** | **266125** | **589** | **616** |
| | **Total** | **2592755** | **2537937** | -- | -- | **691673** | **643331** | -- | -- |
| Austria | Logs | 1037 | 310 | 1037 | 78 | 349 | 100 | -- | -- |
| | Sawn | 4406 | 4668 | 551 | 667 | 2064 | 1029 | 295 | 1029 |
| | Ven | 1645 | 2486 | 823 | 2486 | 908 | 1327 | -- | 1327 |
| | Ply | 6977 | 5186 | 634 | 741 | 661 | 1630 | 661 | 408 |
| Belgium | Logs | 15103 G | 10076 G | 329 | 351 | 4329 G | 3212 G | 496 | 410 |
| | Sawn | 124959 C | 112758 C | 518 | 464 | 90371 C | 77058 C | 544 | 521 |
| | Ven | 10223 C | 14265 C | 1136 | 951 | 9448 C | 6749 C | 1557 | 1350 |
| | Ply | 117522 C | 97418 C | 374 | 398 | 94895 C | 74331 C | 408 | 450 |
| Denmark | Logs | 4687 | 3563 | 670 | 132 | 1803 | 1909 | 901 | 191 |
| | Sawn | 41103 | 35759 | 623 | 238 | 7812 | 8399 | 977 | 191 |
| | Ven | 8533 | 8272 | 1422 | 919 | 5048 | 1145 | 2524 | 573 |
| | Ply | 15985 | 15398 | 347 | 358 | 3606 | 5217 | 601 | 373 |

# Table 1-2-b. Trade of Tropical Timber by ITTO Consumers - Value (1000 $ and $/m$^3$)

| | | Imports | | | | Exports | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | Value | | Unit Value | | Value | | Unit Value | |
| Country | Product | 2001 | 2002 | 2001 | 2002 | 2001 | 2002 | 2001 | 2002 |
| Finland | Logs | 0 | 80 | -- | 1277 | 0 | 2 | -- | 919 |
| | Sawn | 8058 | 6816 | 895 | 1048 | 980 | 600 | 3630 | 975 |
| | Ven | 2435 | 2532 | 2563 | 2553 | 114 | 194 | 1425 | 2690 |
| | Ply | 887 | 1098 | 887 | 897 | 262 | 258 | 903 | 884 |
| France | Logs | 151521 | 140817 | 206 | 218 | 11007 | 10651 | 376 | 391 |
| | Sawn | 170293 | 153698 | 430 | 465 | 17897 | 13159 | 446 | 513 |
| | Ven | 39084 | 53122 | 806 | 799 | 18329 | 16700 | 599 | 550 |
| | Ply | 54489 | 52299 | 494 | 498 | 111699 | 104306 | 911 | 815 |
| Germany | Logs | 44902 | 38129 | 293 | 269 | 16421 | 8556 | 411 | 342 |
| | Sawn | 69411 | 69217 | 472 | 541 | 33166 | 37792 | 638 | 675 |
| | Ven | 29427 | 28000 | 626 | 538 | 35369 | 30000 I | 2081 | 2000 |
| | Ply | 121550 | 123750 | 560 | 560 | 12856 | 11000 I | 735 | 759 |
| Greece | Logs | 12786 | 21218 | 217 | 229 | 181 | 0 | 181 | 46 |
| | Sawn | 7436 C | 6140 | 511 | 513 | 1274 C | 1270 C | 637 | 635 |
| | Ven | 17603 | 16424 | 1645 | 1747 | 127 | 497 | 704 | 73 |
| | Ply | 7765 | 4723 | 415 | 439 | 2140 | 234 | 428 | -- |
| Ireland | Logs | 9219 C | 2203 | 384 | 367 | 162 C | 53 C | -- | -- |
| | Sawn | 38084 C | 22558 | 536 | 376 | 3357 C | 4753 C | 839 | 792 |
| | Ven | 1541 C | 2814 | 1185 | 313 | 594 C | 792 C | -- | 792 |
| | Ply | 16925 C | 14149 | 376 | 404 | 260 C | 47 C | 260 | -- |
| Italy | Logs | 73638 | 83395 | 267 | 237 | 532 | 5673 | 532 | 709 |
| | Sawn | 150422 | 169258 | 530 | 548 | 10013 | 13238 | 910 | 946 |
| | Ven | 56379 | 56734 | 1084 | 1182 | 13753 | 19857 | 2292 | 2206 |
| | Ply | 41539 | 46333 | 649 | 662 | 28144 | 27422 | 908 | 857 |
| Luxembourg | Logs | 366 | 203 | 92 | 28 | 462 | 157 | 115 | 22 |
| | Sawn | 609 | 661 | 609 | 778 | 68 | 21 | 2254 | 693 |
| | Ven | 23 | 35 | 1165 | 1166 | 0 | 0 E | -- | -- |
| | Ply | 1375 | 1899 | 415 | 439 | 50 | 91 | 418 | 454 |
| Netherlands | Logs | 15738 | 11774 | 210 | 236 | 79 | 660 G | 395 | 68 |
| | Sawn | 199264 | 206834 | 514 | 540 | 32744 | 42443 | 537 | 402 |
| | Ven | 4764 | 6478 | 972 | 820 | 10238 | 9183 | 853 | 967 |
| | Ply | 114950 | 117276 | 510 | 519 | 19261 | 18831 | 653 | 708 |
| Portugal | Logs | 90384 | 89280 | 138 | 134 | 3933 | 788 | 328 | 394 |
| | Sawn | 41428 | 47199 | 402 | 358 | 3007 | 3445 | 376 | 431 |
| | Ven | 8540 | 10935 | 449 | 576 | 6536 | 7763 | 1089 | 970 |
| | Ply | 1452 | 1781 | 242 | 594 | 290 | 307 | 290 | 307 |
| Spain | Logs | 42631 | 45008 | 248 | 285 | 790 | 122 | 263 | 41 |
| | Sawn | 190827 | 170688 | 358 | 359 | 7085 | 11049 | 787 | 737 |
| | Ven | 30378 C | 32139 C | 690 | 824 | 16806 C | 16808 C | 1254 | 1401 |
| | Ply | 8458 C | 7168 C | 691 | 448 | 22821 | 17185 | 423 | 477 |
| Sweden | Logs | 1410 | 2125 | 705 | 708 | 193 | 242 | -- | -- |
| | Sawn | 9999 | 9364 | 714 | 851 | 3146 | 2056 | 1573 | 2056 |
| | Ven | 3091 | 3247 | 1851 | 1624 | 1625 | 1621 | 1625 | 1621 |
| | Ply | 3598 | 2732 | 651 | 683 | 387 | 413 E | 387 | 413 |
| U.K. | Logs | 21240 | 26081 | 343 | 359 | 3965 | 2997 | 404 | 355 |
| | Sawn | 156792 | 161479 | 449 | 476 | 5756 | 6954 | 976 | 1268 |
| | Ven | 24681 | 19631 | 2648 | 2059 | 6495 | 6182 | 2674 | 3016 |
| | Ply | 143184 | 138255 | 414 | 414 | 6004 | 4853 | 491 | 524 |

# Table 1-2-b. Trade of Tropical Timber by ITTO Consumers - Value (1000 $ and $/m$^3$)

| | | Imports | | | | Exports | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | Value | | Unit Value | | Value | | Unit Value | |
| Country | Product | 2001 | 2002 | 2001 | 2002 | 2001 | 2002 | 2001 | 2002 |
| Japan | Logs | 295049 | 289014 | 137 | 142 | 0 | 0 | -- | -- |
| | Sawn | 298162 | 257739 | 496 | 471 | 297 | 565 | -- | 565 |
| | Ven | 32641 | 26592 | 725 | 682 | 1145 | 1630 | 1145 | 1630 |
| | Ply | 1484777 | 1521426 | 328 | 329 | 1658 | 1668 | 1658 | 834 |
| Nepal | Logs | 0 I | 0 | -- | -- | 0 I | 0 I | -- | -- |
| | Sawn | 0 I | 0 | -- | -- | 0 I | 0 I | -- | -- |
| | Ven | 0 I | 0 | -- | -- | 0 I | 0 I | -- | -- |
| | Ply | 0 I | 0 | -- | -- | 0 I | 0 I | -- | -- |
| New Zealand | Logs | 514 | 535 | 514 | 134 | 1 | 0 | 858 | -- |
| | Sawn | 2426 | 2336 | 813 | 878 | 74 | 55 | 452 | 659 |
| | Ven | 1433 | 1372 | 1472 | 2023 | 42 | 65 | 1663 | 906 |
| | Ply | 2335 | 3082 | 645 | 612 | 122 | 1041 | 628 | 582 |
| Norway | Logs | 620 | 186 | 1435 | 1398 | 0 | 0 | -- | -- |
| | Sawn | 4607 | 3422 | 951 | 1141 | 290 | 1027 | 260 | 359 |
| | Ven | 1876 | 1585 | 188 | 396 | 100 | 542 I | 1190 | 800 |
| | Ply | 2709 | 14938 I | 446 | 427 | 2228 | 3464 | 743 | 866 |
| Rep. of Korea | Logs | 69311 | 50742 | 125 | 89 | 12 | 0 R | -- | -- |
| | Sawn | 96379 | 101832 | 269 | 277 | 1009 | 286 | 336 | 286 |
| | Ven | 32879 | 39521 | 162 | 165 | 68 | 37 | -- | -- |
| | Ply | 259824 | 321152 | 254 | 260 | 1030 | 980 | 515 | 980 |
| Switzerland | Logs | 1446 | 1535 | 331 | 307 | 12 | 2 | 55 | 63 |
| | Sawn | 8829 | 10635 | 650 | 709 | 201 | 132 | 475 | -- |
| | Ven | 760 | 965 | 1900 | -- | 321 | 165 | 4157 | -- |
| | Ply | 7736 | 7413 | 860 | 824 | 128 | 77 | 1807 | -- |
| U.S.A. | Logs | 702 | 788 | 477 | 316 | 175 | 929 | 285 | 410 |
| | Sawn | 185415 | 160323 | 669 | 691 | 11646 | 16790 | 476 | 414 |
| | Ven | 31970 | 30814 | 1417 | 1367 | 2781 | 4313 | 1538 | 1405 |
| | Ply | 296065 | 377644 | 280 | 282 | 8945 | 10800 | 353 | 350 |
| **Consumers Total** | **Logs** | **1995037** | **1877100** | **149** | **145** | **56659** | **48712** | **399** | **345** |
| | **Sawn** | **2869239** | **2708897** | **371** | **352** | **353517** | **289084** | **486** | **516** |
| | **Ven** | **485247** | **480710** | **438** | **451** | **138351** | **137880** | **1171** | **954** |
| | **Ply** | **3205511** | **3409843** | **326** | **333** | **386722** | **417335** | **478** | **421** |
| | **Total** | **8555034** | **8476550** | **--** | **--** | **935250** | **893010** | **--** | **--** |
| **ITTO Total** | **Logs** | **2678047** | **2402139** | **154** | **153** | **2552728** | **1823213** | **155** | **138** |
| | **Sawn** | **3189952** | **3076973** | **333** | **305** | **2948755** | **2923287** | **324** | **320** |
| | **Ven** | **535630** | **515760** | **430** | **443** | **493439** | **512213** | **379** | **360** |
| | **Ply** | **3230712** | **3447633** | **326** | **333** | **3454840** | **3491472** | **298** | **309** |
| | **Total** | **9634340** | **9442503** | **--** | **--** | **9449763** | **8750185** | **--** | **--** |

# Table 1-2-c. Trade of All Timber by ITTO Producers - Value (1000 $ and $/m$^3$)

| | | | Imports | | | | Exports | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Value | | Unit Value | | Value | | Unit Value | |
| Country | Product | Species | 2001 | 2002 | 2001 | 2002 | 2001 | 2002 | 2001 | 2002 |
| | **Logs** | **All** | **7846** | **3642** | **204** | **146** | **973502** | **884376** | **208** | **197** |
| | | **C** | **12** | **750** | **30** | **250** | **163** | **0** | **424** | **--** |
| | | **NC** | **7834** | **2892** | **206** | **132** | **973339** | **884376** | **208** | **197** |
| | **Sawn** | **All** | **9075** | **5577** | **340** | **207** | **570673** | **605474** | **361** | **344** |
| | | **C** | **675** | **550** | **285** | **275** | **562** | **562** | **334** | **375** |
| | | **NC** | **8400** | **5027** | **345** | **202** | **570111** | **604912** | **361** | **344** |
| | **Ven** | **All** | **12** | **0** | **--** | **--** | **171512** | **182316** | **450** | **433** |
| **Africa** | | **C** | **12** | **0** | **--** | **--** | **0** | **0** | **--** | **--** |
| | | **NC** | **0** | **0** | **--** | **--** | **171512** | **182316** | **450** | **433** |
| | **Ply** | **All** | **12910** | **5719** | **598** | **491** | **47609** | **56145** | **286** | **287** |
| | | **C** | **12237** | **347** | **606** | **390** | **41** | **41** | **137** | **137** |
| | | **NC** | **673** | **5371** | **481** | **500** | **47568** | **56104** | **286** | **287** |
| | **Total** | **All** | **29844** | **14938** | **--** | **--** | **1763296** | **1728311** | **--** | **--** |
| | | **C** | **12936** | **1647** | **--** | **--** | **766** | **603** | **--** | **--** |
| | | **NC** | **16907** | **13290** | **--** | **--** | **1762530** | **1727708** | **--** | **--** |
| Cameroon | Logs | All | 17 | 0 | 224 | -- | 28424 | 55250 [I] | 122 | 130 |
| | | C | 4 | 0 | 353 | -- | 0 | 0 [I] | -- | -- |
| | | NC | 13 [C] | 0 | 202 | -- | 28424 | 55250 [I] | 122 | 130 |
| | Sawn | All | 15 | 0 | 78 | -- | 249586 | 249874 [I] | 396 | 315 |
| | | C | 15 | 0 | 78 | -- | 0 | 0 [I] | -- | -- |
| | | NC | 0 [C] | 0 | -- | -- | 249586 | 249874 [I] | 396 | 315 |
| | Ven | All | 12 | 0 | -- | -- | 30342 | 17491 [I] | 933 | 639 |
| | | C | 12 | 0 | -- | -- | 0 | 0 [I] | -- | -- |
| | | NC | 0 [C] | 0 | -- | -- | 30342 | 17491 [I] | 933 | 639 |
| | Ply | All | 243 | 0 | 839 | -- | 9959 | 17283 [I] | 470 | 364 |
| | | C | 75 | 0 | 2877 | -- | 0 | 0 [I] | -- | -- |
| | | NC | 168 | 0 | 637 | -- | 9959 | 17283 [I] | 470 | 364 |
| Central African Republic | Logs | All | 0 [I] | 0 | -- | -- | 93900 [I] | 30000 [I] | 300 | 300 |
| | | C | 0 [I] | 0 | -- | -- | 0 [I] | 0 [I] | -- | -- |
| | | NC | 0 [I] | 0 | -- | -- | 93900 [I] | 30000 [I] | 300 | 300 |
| | Sawn | All | 0 [I] | 0 | -- | -- | 30400 [I] | 30400 [I] | 400 | 400 |
| | | C | 0 [I] | 0 | -- | -- | 0 [I] | 0 [I] | -- | -- |
| | | NC | 0 [I] | 0 | -- | -- | 30400 [I] | 30400 [I] | 400 | 400 |
| | Ven | All | 0 [I] | 0 | -- | -- | 0 [I] | 0 [I] | -- | -- |
| | | C | 0 [I] | 0 | -- | -- | 0 [I] | 0 [I] | -- | -- |
| | | NC | 0 [I] | 0 | -- | -- | 0 [I] | 0 [I] | -- | -- |
| | Ply | All | 0 [I] | 0 | -- | -- | 225 [I] | 225 [I] | 500 | 500 |
| | | C | 0 [I] | 0 | -- | -- | 0 [I] | 0 [I] | -- | -- |
| | | NC | 0 [I] | 0 | -- | -- | 225 [I] | 225 [I] | 500 | 500 |
| Congo, Dem. Rep. (former Zaire) | Logs | All | 0 [I] | 0 | -- | -- | 2175 | 2016 | 128 | 187 |
| | | C | 0 [I] | 0 | -- | -- | 0 | 0 | -- | -- |
| | | NC | 0 [I] | 0 | -- | -- | 2175 | 2016 | 128 | 187 |
| | Sawn | All | 0 [I] | 0 | -- | -- | 2494 | 2229 | 336 | 76 |
| | | C | 0 [I] | 0 | -- | -- | 0 | 0 | -- | -- |
| | | NC | 0 [I] | 0 | -- | -- | 2494 | 2229 | 336 | 76 |
| | Ven | All | 0 [I] | 0 | -- | -- | 0 | 0 | -- | -- |
| | | C | 0 [I] | 0 | -- | -- | 0 | 0 | -- | -- |
| | | NC | 0 [I] | 0 | -- | -- | 0 | 0 | -- | -- |
| | Ply | All | 0 [I] | 0 | -- | -- | 0 | 0 | -- | -- |
| | | C | 0 [I] | 0 | -- | -- | 0 | 0 | -- | -- |
| | | NC | 0 [I] | 0 | -- | -- | 0 | 0 | -- | -- |
| Congo, Rep. | Logs | All | 0 [I] | 0 | -- | -- | 226638 [I] | 167643 [I] | 488 | 300 |
| | | C | 0 [I] | 0 | -- | -- | 0 [I] | 0 [I] | -- | -- |
| | | NC | 0 [I] | 0 | -- | -- | 226638 [I] | 167643 [I] | 300 | 300 |
| | Sawn | All | 0 [I] | 0 | -- | -- | 65096 [I] | 94836 [I] | 700 | 700 |
| | | C | 0 [I] | 0 | -- | -- | 0 [I] | 0 [I] | -- | -- |
| | | NC | 0 [I] | 0 | -- | -- | 65096 [I] | 94836 [I] | 700 | 700 |
| | Ven | All | 0 [I] | 0 | -- | -- | 7587 [I] | 14426 [I] | 800 | 800 |
| | | C | 0 [I] | 0 | -- | -- | 0 [I] | 0 [I] | -- | -- |
| | | NC | 0 [I] | 0 | -- | -- | 7587 [I] | 14426 [I] | 800 | 800 |
| | Ply | All | 0 [I] | 0 | -- | -- | 552 [I] | 2026 [I] | 500 | 500 |
| | | C | 0 [I] | 0 | -- | -- | 0 [I] | 0 [I] | -- | -- |
| | | NC | 0 [I] | 0 | -- | -- | 552 [I] | 2026 [I] | 500 | 500 |

# Table 1-2-c. Trade of All Timber by ITTO Producers - Value (1000 $ and $/m$^3$)

| | | | Imports | | | | Exports | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Value | | Unit Value | | Value | | Unit Value | |
| Country | Product | Species | 2001 | 2002 | 2001 | 2002 | 2001 | 2002 | 2001 | 2002 |
| Côte d'Ivoire | Logs | All | 7500 I | 2432 | 203 | 250 | 25089 | 18820 | 198 | 220 |
| | | C | 0 I | 0 | -- | -- | 0 | 0 | -- | -- |
| | | NC | 7500 I | 2432 | 203 | 250 | 25089 | 18820 | 198 | 220 |
| | Sawn | All | 0 | 0 | -- | -- | 110204 | 104656 I | 278 | 300 |
| | | C | 0 | 0 | -- | -- | 0 | 0 | -- | -- |
| | | NC | 0 | 0 | -- | -- | 110204 | 104656 I | 278 | 300 |
| | Ven | All | 0 | 0 | -- | -- | 43466 | 54354 I | 359 | 360 |
| | | C | 0 | 0 | -- | -- | 0 | 0 | -- | -- |
| | | NC | 0 | 0 | -- | -- | 43466 | 54354 I | 359 | 360 |
| | Ply | All | 0 | 0 | -- | -- | 9693 | 10853 I | 289 | 285 |
| | | C | 0 | 0 | -- | -- | 0 | 0 | -- | -- |
| | | NC | 0 | 0 | -- | -- | 9693 | 10853 I | 289 | 285 |
| Gabon | Logs | All | 64 | 0 | -- | -- | 254539 I | 220000 I | 110 | 110 |
| | | C | 0 | 0 | -- | -- | 0 | 0 | -- | -- |
| | | NC | 64 | 0 | -- | -- | 254539 I | 220000 I | 110 | 110 |
| | Sawn | All | 7706 I | 4200 | 566 | 300 | 19099 | 25750 I | 248 | 250 |
| | | C | 110 I | 0 | 616 | -- | 0 | 0 | -- | -- |
| | | NC | 7596 I | 4200 | 566 | 300 | 19099 | 25750 I | 248 | 250 |
| | Ven | All | 0 | 0 | -- | -- | 39561 | 41040 I | 380 | 380 |
| | | C | 0 | 0 | -- | -- | 0 | 0 | -- | -- |
| | | NC | 0 | 0 | -- | -- | 39561 | 41040 I | 380 | 380 |
| | Ply | All | 12000 I | 5000 | 608 | 500 | 13642 | 7200 I | 239 | 240 |
| | | C | 12000 I | 0 | 608 | -- | 0 | 0 | -- | -- |
| | | NC | 0 | 5000 | -- | 500 | 13642 | 7200 I | 239 | 240 |
| Ghana | Logs | All | 0 | 0 | -- | -- | 0 | 0 | -- | -- |
| | | C | 0 | 0 | -- | -- | 0 | 0 | -- | -- |
| | | NC | 0 | 0 | -- | -- | 0 | 0 | -- | -- |
| | Sawn | All | 0 | 0 | -- | -- | 75390 | 75283 | 315 | 363 |
| | | C | 0 | 0 | -- | -- | 0 | 0 | -- | -- |
| | | NC | 0 | 0 | -- | -- | 75390 | 75283 | 315 | 363 |
| | Ven | All | 0 | 0 | -- | -- | 50556 | 55005 | 443 | 471 |
| | | C | 0 | 0 | -- | -- | 0 | 0 | -- | -- |
| | | NC | 0 | 0 | -- | -- | 50556 | 55005 | 443 | 471 |
| | Ply | All | 0 | 0 | -- | -- | 13498 | 18517 | 255 | 246 |
| | | C | 0 | 0 | -- | -- | 0 | 0 | -- | -- |
| | | NC | 0 | 0 | -- | -- | 13498 | 18517 | 255 | 246 |
| Liberia | Logs | All | 0 I | 0 | -- | -- | 282000 I | 330000 I | 300 | 300 |
| | | C | 0 I | 0 | -- | -- | 0 I | 0 I | -- | -- |
| | | NC | 0 I | 0 | -- | -- | 282000 I | 330000 I | 300 | 300 |
| | Sawn | All | 0 I | 0 | -- | -- | 6000 I | 10000 I | 400 | 400 |
| | | C | 0 I | 0 | -- | -- | 0 I | 0 I | -- | -- |
| | | NC | 0 I | 0 | -- | -- | 6000 I | 10000 I | 400 | 400 |
| | Ven | All | 0 I | 0 | -- | -- | 0 I | 0 I | -- | -- |
| | | C | 0 I | 0 | -- | -- | 0 I | 0 I | -- | -- |
| | | NC | 0 I | 0 | -- | -- | 0 I | 0 I | -- | -- |
| | Ply | All | 0 I | 0 | -- | -- | 0 I | 0 I | -- | -- |
| | | C | 0 I | 0 | -- | -- | 0 I | 0 I | -- | -- |
| | | NC | 0 I | 0 | -- | -- | 0 I | 0 I | -- | -- |
| Nigeria | Logs | All | 39 C | 971 | 89 | 277 | 60122 C | 60000 I | 232 | 300 |
| | | C | 9 C | 750 | 21 | 250 | 163 C | 0 I | 424 | -- |
| | | NC | 30 C | 221 | 812 | 442 | 59960 C | 60000 I | 232 | 300 |
| | Sawn | All | 910 I | 910 | 314 | 314 | 11602 F | 11602 F | 303 | 303 |
| | | C | 550 I | 550 | 275 | 275 | 562 F | 562 F | 375 | 375 |
| | | NC | 360 I | 360 | 400 | 400 | 11040 I | 11040 I | 300 | 300 |
| | Ven | All | 0 I | 0 | -- | -- | 0 I | 0 I | -- | -- |
| | | C | 0 I | 0 | -- | -- | 0 I | 0 I | -- | -- |
| | | NC | 0 I | 0 | -- | -- | 0 I | 0 I | -- | -- |
| | Ply | All | 367 C | 419 C | 425 | 445 | 41 F | 41 F | 137 | 137 |
| | | C | 162 C | 347 C | 377 | 390 | 41 F | 41 F | 137 | 137 |
| | | NC | 205 C | 71 C | 472 | 1450 | 0 I | 0 I | -- | -- |

# Table 1-2-c. Trade of All Timber by ITTO Producers - Value (1000 $ and $/m$^3$)

| | | | Imports | | | | Exports | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Value | | Unit Value | | Value | | Unit Value | |
| Country | Product | Species | 2001 | 2002 | 2001 | 2002 | 2001 | 2002 | 2001 | 2002 |
| Togo | Logs | All | 227 | 238 | 227 | 238 | 615 | 647 | 36 | 38 |
| | | C | 0 | 0 | -- | -- | 0 | 0 | -- | -- |
| | | NC | 227 | 238 | 227 | 238 | 615 | 647 | 36 | 38 |
| | Sawn | All | 444 | 467 | 44 | 47 | 803 | 845 | 134 | 141 |
| | | C | 0 | 0 | -- | -- | 0 | 0 | -- | -- |
| | | NC | 444 | 467 | 44 | 47 | 803 | 845 | 134 | 141 |
| | Ven | All | 0 | 0 | -- | -- | 0 | 0 | -- | -- |
| | | C | 0 | 0 | -- | -- | 0 | 0 | -- | -- |
| | | NC | 0 | 0 | -- | -- | 0 | 0 | -- | -- |
| | Ply | All | 300 I | 300 I | 429 | 429 | 0 | 0 | -- | -- |
| | | C | 0 | 0 | -- | -- | 0 | 0 | -- | -- |
| | | NC | 300 I | 300 I | 429 | 429 | 0 | 0 | -- | -- |
| | **Logs** | **All** | **756024** | **589260** | **164** | **177** | **1739768** | **970873** | **150** | **115** |
| | | **C** | **10146** | **10496** | **79** | **88** | **4285** | **671** | **195** | **187** |
| | | **NC** | **745877** | **578764** | **167** | **180** | **1735483** | **970202** | **150** | **115** |
| | **Sawn** | **All** | **481286** | **551071** | **195** | **171** | **1715946** | **1593923** | **294** | **285** |
| | | **C** | **77735** | **82058** | **239** | **235** | **15642** | **9989** | **273** | **425** |
| | | **NC** | **403552** | **469013** | **189** | **163** | **1700304** | **1583933** | **294** | **285** |
| | **Ven** | **All** | **93046** | **88608** | **487** | **327** | **162668** | **155269** | **213** | **222** |
| **Asia-Pacific** | | **C** | **10057** | **8588** | **963** | **605** | **1788** | **3710** | **563** | **634** |
| | | **NC** | **82989** | **80019** | **459** | **312** | **160880** | **151558** | **211** | **219** |
| | **Ply** | **All** | **23545** | **45289** | **319** | **450** | **2813948** | **2786867** | **291** | **301** |
| | | **C** | **4851** | **18990** | **478** | **680** | **1325** | **6423** | **402** | **289** |
| | | **NC** | **18694** | **26299** | **293** | **362** | **2812623** | **2780444** | **291** | **301** |
| | **Total** | **All** | **1353901** | **1274228** | -- | -- | **6432330** | **5506932** | -- | -- |
| | | **C** | **102789** | **120133** | -- | -- | **23040** | **20794** | -- | -- |
| | | **NC** | **1251112** | **1154095** | -- | -- | **6409290** | **5486138** | -- | -- |
| Cambodia | Logs | All | 0 I | 0 | -- | -- | 0 | 0 I | -- | -- |
| | | C | 0 I | 0 | -- | -- | 0 | 0 I | -- | -- |
| | | NC | 0 I | 0 | -- | -- | 0 | 0 I | -- | -- |
| | Sawn | All | 0 I | 0 | -- | -- | 1629 | 1650 I | 326 | 330 |
| | | C | 0 I | 0 | -- | -- | 0 | 0 I | -- | -- |
| | | NC | 0 I | 0 | -- | -- | 1629 | 1650 I | 326 | 330 |
| | Ven | All | 0 I | 0 | -- | -- | 7898 | 14805 I | 329 | 329 |
| | | C | 0 I | 0 | -- | -- | 0 | 0 I | -- | -- |
| | | NC | 0 I | 0 | -- | -- | 7898 | 14805 I | 329 | 329 |
| | Ply | All | 0 I | 0 | -- | -- | 4628 | 4620 I | 331 | 330 |
| | | C | 0 I | 0 | -- | -- | 0 | 0 I | -- | -- |
| | | NC | 0 I | 0 | -- | -- | 4628 | 4620 I | 331 | 330 |
| Fiji | Logs | All | 0 | 11 | -- | 713 | 0 | 0 | -- | -- |
| | | C | 0 | 11 | -- | 713 | 0 | 0 | -- | -- |
| | | NC | 0 | 0 | -- | -- | 0 | 0 | -- | -- |
| | Sawn | All | 43 | 162 | 219 | 548 | 4334 | 6850 | 429 | 898 |
| | | C | 43 | 162 | 219 | 548 | 2384 | 2587 | 426 | 843 |
| | | NC | 0 | 0 | -- | -- | 1950 | 4263 | 433 | 935 |
| | Ven | All | 0 | 0 | -- | -- | 1431 | 1384 | 712 | 1345 |
| | | C | 0 | 0 | -- | -- | 285 | 0 | 696 | -- |
| | | NC | 0 | 0 | -- | -- | 1146 | 1384 | 716 | 1345 |
| | Ply | All | 39 | 200 | 269 | 695 | 2427 | 5621 | 570 | 1122 |
| | | C | 0 | 0 | -- | -- | 486 | 0 | 565 | -- |
| | | NC | 39 | 200 | 269 | 695 | 1942 | 5621 | 571 | 1122 |
| India | Logs | All | 508688 C | 375200 | 194 | 227 | 1405 C | 2136 G | 202 | 222 |
| | | C | 304 C | 437 | 338 | 256 | 4 C | 46 G | 235 | 188 |
| | | NC | 508384 C | 374763 | 194 | 227 | 1402 C | 2090 G | 202 | 223 |
| | Sawn | All | 11175 C | 8356 | 183 | 195 | 293 C | 1222 G | 304 | 239 |
| | | C | 5043 C | 1738 | 104 | 66 | 15 C | 16 G | 174 | 128 |
| | | NC | 6132 C | 6618 | 486 | 404 | 279 C | 1205 G | 316 | 242 |
| | Ven | All | 2487 C | 3205 | 667 | 539 | 3588 C | 5700 G | 2303 | 1122 |
| | | C | 806 C | 947 | 696 | 405 | 668 C | 1860 G | 1568 | 961 |
| | | NC | 1681 C | 2258 | 655 | 625 | 2920 C | 3841 G | 2579 | 1221 |
| | Ply | All | 4957 C | 3785 | 199 | 285 | 7505 C | 8283 G | 117 | 117 |
| | | C | 720 C | 2041 | 253 | 906 | 0 C | 2258 G | -- | 198 |
| | | NC | 4238 C | 1745 | 192 | 158 | 7505 C | 6025 G | 117 | 102 |

# Table 1-2-c. Trade of All Timber by ITTO Producers - Value (1000 $ and $/m$^3$)

| | | | Imports | | | | Exports | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Value | | Unit Value | | Value | | Unit Value | |
| Country | Product | Species | 2001 | 2002 | 2001 | 2002 | 2001 | 2002 | 2001 | 2002 |
| Indonesia | Logs | All | 32396 | 29907 | 225 | 166 | 1047148 I | 180582 I | 300 | 300 |
| | | C | 937 | 1742 | 48 | 71 | 4136 I | 582 | 250 | 303 |
| | | NC | 31459 | 28165 | 253 | 181 | 1043013 I | 180000 I | 300 | 300 |
| | Sawn | All | 37370 | 46128 | 383 | 320 | 801843 I | 724754 I | 325 | 342 |
| | | C | 20382 | 27899 | 312 | 261 | 10333 | 6260 | 252 | 384 |
| | | NC | 16988 | 18229 | 527 | 490 | 791510 I | 718493 I | 327 | 342 |
| | Ven | All | 14466 | 13727 | 1942 | 1840 | 2049 | 1652 | 288 | 374 |
| | | C | 7336 | 4621 | 1741 | 1404 | 494 | 274 | 282 | 481 |
| | | NC | 7130 | 9105 | 2204 | 2185 | 1555 | 1377 | 290 | 359 |
| | Ply | All | 1464 | 1536 | 424 | 324 | 1837915 | 1748310 | 306 | 317 |
| | | C | 835 | 631 | 318 | 526 | 0 I | 0 I | -- | -- |
| | | NC | 630 | 905 | 759 | 256 | 1837915 I | 1748310 I | 306 | 317 |
| Malaysia | Logs | All | 68949 | 53370 | 90 | 124 | 407027 | 476888 | 81 | 94 |
| | | C | 1428 | 1170 | 79 | 98 | 0 | 0 | -- | -- |
| | | NC | 67521 | 52200 | 90 | 125 | 407027 | 476888 | 81 | 94 |
| | Sawn | All | 92176 | 98116 | 142 | 138 | 654896 | 646553 | 256 | 258 |
| | | C | 8573 | 4193 | 390 | 349 | 0 | 0 | -- | -- |
| | | NC | 83603 | 93922 | 133 | 134 | 654896 | 646553 | 256 | 258 |
| | Ven | All | 34087 | 35871 | 643 | 223 | 126758 | 114174 | 193 | 190 |
| | | C | 0 | 0 | -- | -- | 0 | 0 | -- | -- |
| | | NC | 34087 | 35871 | 643 | 223 | 126758 | 114174 | 193 | 190 |
| | Ply | All | 8609 | 7059 | 297 | 415 | 925655 | 1005480 | 263 | 278 |
| | | C | 0 | 0 | -- | -- | 0 | 0 | -- | -- |
| | | NC | 8609 | 7059 | 297 | 415 | 925655 | 1005480 | 263 | 278 |
| Myanmar | Logs | All | 0 I | 0 | -- | -- | 194618 | 211010 * | 131 | 244 |
| | | C | 0 I | 0 | -- | -- | 0 | 0 I | -- | -- |
| | | NC | 0 I | 0 | -- | -- | 194618 | 211010 * | 131 | 244 |
| | Sawn | All | 0 I | 0 | -- | -- | 91269 | 19770 * | 376 | 821 |
| | | C | 0 I | 0 | -- | -- | 0 | 0 I | -- | -- |
| | | NC | 0 I | 0 | -- | -- | 91269 | 19770 * | 376 | 821 |
| | Ven | All | 0 I | 0 | -- | -- | 159 | 10 I | 277 | 280 |
| | | C | 0 I | 0 | -- | -- | 0 | 0 I | -- | -- |
| | | NC | 0 I | 0 | -- | -- | 159 | 10 I | 277 | 280 |
| | Ply | All | 0 I | 0 | -- | -- | 30870 I | 2176 | 688 | 465 |
| | | C | 0 I | 0 | -- | -- | 0 | 0 | -- | -- |
| | | NC | 0 I | 0 | -- | -- | 30870 I | 2176 | 688 | 465 |
| Papua New Guinea | Logs | All | 0 I | 0 | -- | -- | 89393 * | 99751 * | 57 | 54 |
| | | C | 0 I | 0 | -- | -- | 0 I | 0 I | -- | -- |
| | | NC | 0 I | 0 | -- | -- | 89393 * | 99751 * | 57 | 54 |
| | Sawn | All | 0 I | 0 | -- | -- | 15291 | 16000 I | 385 | 400 |
| | | C | 0 I | 0 | -- | -- | 0 | 0 I | -- | -- |
| | | NC | 0 I | 0 | -- | -- | 15291 | 16000 I | 385 | 400 |
| | Ven | All | 0 I | 0 | -- | -- | 10636 * | 6300 I | 156 | 180 |
| | | C | 0 I | 0 | -- | -- | 0 | 0 I | -- | -- |
| | | NC | 0 I | 0 | -- | -- | 10636 * | 6300 I | 156 | 180 |
| | Ply | All | 0 I | 0 | -- | -- | 372 | 1050 I | 372 | 350 |
| | | C | 0 I | 0 | -- | -- | 372 | 1050 I | 372 | 350 |
| | | NC | 0 I | 0 | -- | -- | 0 | 0 I | -- | -- |
| Philippines | Logs | All | 44707 | 40614 | 81 | 94 | 157 | 133 I | 28 | 55 |
| | | C | 4226 | 4652 | 79 | 94 | 142 | 43 | 27 | 30 |
| | | NC | 40482 | 35962 | 81 | 94 | 14 | 90 I | 105 | 90 |
| | Sawn | All | 86271 | 103886 | 233 | 259 | 15959 | 10267 | 152 | 113 |
| | | C | 24924 | 23493 | 274 | 277 | 737 | 1 | 96 | 32 |
| | | NC | 61347 | 80393 | 219 | 254 | 15222 | 10265 | 156 | 113 |
| | Ven | All | 29039 | 19795 | 255 | 252 | 1584 | 3089 | 562 | 516 |
| | | C | 1875 | 3021 | 460 | 353 | 341 | 1577 | 579 | 471 |
| | | NC | 27164 | 16774 | 247 | 240 | 1244 | 1512 | 558 | 574 |
| | Ply | All | 4284 | 19999 | 520 | 473 | 3162 | 9773 | 463 | 446 |
| | | C | 2939 | 13418 | 644 | 571 | 468 | 3115 | 325 | 399 |
| | | NC | 1345 | 6580 | 366 | 350 | 2694 | 6658 | 499 | 472 |

# Table 1-2-c. Trade of All Timber by ITTO Producers - Value (1000 $ and $/m$^3$)

| | | | Imports | | | | Exports | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Value | | Unit Value | | Value | | Unit Value | |
| Country | Product | Species | 2001 | 2002 | 2001 | 2002 | 2001 | 2002 | 2001 | 2002 |
| Thailand | Logs | All | 101283 | 90159 | 196 | 141 | 18 | 123 | 18 | 41 |
| | | C | 3252 | 2484 | 88 | 78 | 3 | 0 | -- | -- |
| | | NC | 98032 | 87675 | 204 | 144 | 15 | 123 | -- | 41 |
| | Sawn | All | 253770 | 291424 | 197 | 151 | 128291 | 163559 I | 318 | 209 |
| | | C | 18533 | 21573 | 189 | 183 | 2173 | 1125 | 724 | 281 |
| | | NC | 235237 | 269851 | 198 | 149 | 126118 | 162434 C | 315 | 208 |
| | Ven | All | 12873 | 16011 | 1073 | 889 | 8566 | 8155 | 4283 | 4078 |
| | | C | 0 | 0 | -- | -- | 0 | 0 | -- | -- |
| | | NC | 12873 | 16011 | 1073 | 889 | 8566 | 8155 | 4283 | 4078 |
| | Ply | All | 3497 | 9811 | 437 | 446 | 1415 | 1555 | 472 | 518 |
| | | C | 0 | 0 | -- | -- | 0 | 0 | -- | -- |
| | | NC | 3497 | 9811 | 437 | 446 | 1415 | 1555 | 472 | 518 |
| Vanuatu | Logs | All | 0 | 0 | -- | -- | 0 | 250 I | -- | 250 |
| | | C | 0 | 0 | -- | -- | 0 | 0 I | -- | -- |
| | | NC | 0 | 0 | -- | -- | 0 | 250 I | -- | 250 |
| | Sawn | All | 481 | 3000 | -- | 3000 | 2141 | 3300 I | 183 | 300 |
| | | C | 238 | 3000 | -- | 3000 | 0 | 0 I | -- | -- |
| | | NC | 243 | 0 | -- | -- | 2141 | 3300 I | 183 | 300 |
| | Ven | All | 93 | 0 | -- | -- | 0 | 0 I | -- | -- |
| | | C | 40 | 0 | -- | -- | 0 | 0 I | -- | -- |
| | | NC | 53 | 0 | -- | -- | 0 | 0 I | -- | -- |
| | Ply | All | 695 | 2900 | -- | 2900 | 0 | 0 I | -- | -- |
| | | C | 358 | 2900 | -- | 2900 | 0 | 0 I | -- | -- |
| | | NC | 337 | 0 | -- | -- | 0 | 0 I | -- | -- |
| **Latin America/ Caribbean** | **Logs** | **All** | **12390** | **3363** | **102** | **64** | **31798** | **41701** | **46** | **51** |
| | | **C** | **3270** | **2231** | **194** | **169** | **12960** | **15485** | **27** | **35** |
| | | **NC** | **9120** | **1131** | **87** | **29** | **18837** | **26216** | **92** | **68** |
| | **Sawn** | **All** | **31884** | **40319** | **121** | **117** | **672414** | **769239** | **258** | **238** |
| | | **C** | **21250** | **27121** | **240** | **203** | **278638** | **299507** | **200** | **161** |
| | | **NC** | **10634** | **13198** | **61** | **62** | **393776** | **469732** | **326** | **341** |
| | **Ven** | **All** | **13537** | **18292** | **523** | **1422** | **30546** | **47925** | **448** | **179** |
| | | **C** | **2088** | **7080** | **1591** | **1147** | **4657** | **5776** | **252** | **58** |
| | | **NC** | **11449** | **11212** | **466** | **1676** | **25889** | **42149** | **521** | **250** |
| | **Ply** | **All** | **40262** | **35247** | **396** | **341** | **418711** | **489293** | **270** | **251** |
| | | **C** | **18491** | **20846** | **405** | **312** | **162065** | **245491** | **290** | **230** |
| | | **NC** | **21772** | **14402** | **390** | **394** | **256646** | **243802** | **258** | **277** |
| | **Total** | **All** | **98074** | **97221** | **--** | **--** | **1153469** | **1348158** | **--** | **--** |
| | | **C** | **45099** | **57278** | **--** | **--** | **458320** | **566259** | **--** | **--** |
| | | **NC** | **52975** | **39944** | **--** | **--** | **695149** | **781899** | **--** | **--** |
| Bolivia | Logs | All | 30 | 27 | 35 | 34 | 21 | 263 | 22 | 114 |
| | | C | 0 | 0 | -- | -- | 0 | 0 | -- | -- |
| | | NC | 30 | 27 | 35 | 34 | 21 | 263 | 22 | 114 |
| | Sawn | All | 339 | 596 | 347 | 348 | 20951 | 20302 | 490 | 604 |
| | | C | 84 | 157 | 435 | 436 | 0 | 0 | -- | -- |
| | | NC | 255 | 439 | 326 | 325 | 20951 | 20302 | 490 | 604 |
| | Ven | All | 86 | 33 | 789 | 903 | 2059 | 2454 | 1038 | 2782 |
| | | C | 3 | 7 | -- | -- | 0 | 0 | -- | -- |
| | | NC | 82 | 26 | 761 | 729 | 2059 | 2454 | 1038 | 2782 |
| | Ply | All | 0 | 0 | -- | -- | 13 | 46 | 1615 | 369 |
| | | C | 0 | 0 | -- | -- | 0 | 0 | -- | -- |
| | | NC | 0 | 0 | -- | -- | 13 | 46 | 1615 | 369 |
| Brazil | Logs | All | 2987 | 973 | 33 | 24 | 17746 | 23152 G | 30 | 34 |
| | | C | 180 | 237 | 24 | 35 | 12671 | 15212 G | 26 | 35 |
| | | NC | 2807 | 736 | 34 | 22 | 5075 | 7940 G | 49 | 32 |
| | Sawn | All | 6851 | 7937 | 41 | 41 | 512163 | 576686 G | 237 | 212 |
| | | C | 620 | 2829 | 114 | 99 | 228714 | 244907 G | 199 | 156 |
| | | NC | 6231 | 5108 | 39 | 31 | 283449 | 331779 G | 280 | 289 |
| | Ven | All | 6666 | 12821 | 369 | 1938 | 23730 | 41962 G | 412 | 161 |
| | | C | 539 | 3546 | 1243 | 2159 | 4600 | 5670 G | 251 | 57 |
| | | NC | 6127 | 9275 | 348 | 1865 | 19130 | 36292 G | 487 | 225 |
| | Ply | All | 1022 | 1035 | 668 | 239 | 359985 I | 438791 G | 261 | 242 |
| | | C | 0 I | 654 | -- | 222 | 159679 I | 243769 G | 290 | 229 |
| | | NC | 1022 I | 381 | 668 | 276 | 200306 I | 195022 G | 242 | 261 |

# Table 1-2-c. Trade of All Timber by ITTO Producers - Value (1000 $ and $/m$^3$)

| | | | Imports | | | | Exports | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Value | | Unit Value | | Value | | Unit Value | |
| Country | Product | Species | 2001 | 2002 | 2001 | 2002 | 2001 | 2002 | 2001 | 2002 |
| Colombia | Logs | All | 49 | 73 | 7349 | 148 | 1592 | 2978 | 121 | 156 |
| | | C | 0 | 17 | -- | -- | 2 | 0 | 309 | -- |
| | | NC | 49 | 56 | 7349 | 114 | 1590 | 2978 | 121 | 156 |
| | Sawn | All | 127 | 4555 | 306 | 251 | 1112 | 6542 | 295 | 402 |
| | | C | 57 | 4548 | -- | 251 | 17 | 5741 | 647 | 426 |
| | | NC | 70 | 8 | 193 | 293 | 1095 | 800 | 292 | 285 |
| | Ven | All | 1871 | 1842 | 2707 | 2647 | 4 | 46 I | 273 | 393 |
| | | C | 1071 | 1042 | 2418 | 2312 | 0 | 42 I | -- | 363 |
| | | NC | 801 | 800 | 3222 | 3263 | 4 | 4 | 273 | 5079 |
| | Ply | All | 3066 | 2791 | 661 | 644 | 2672 | 3477 | 613 | 553 |
| | | C | 319 | 699 | 586 | 621 | 56 | 25 | 1430 | 1513 |
| | | NC | 2747 | 2092 | 671 | 652 | 2616 | 3452 | 605 | 551 |
| Ecuador | Logs | All | 0 CR | 0 | -- | -- | 6926 C | 6926 I | 275 | 275 |
| | | C | 0 CR | 0 | -- | -- | 76 C | 76 I | 338 | 338 |
| | | NC | 0 CR | 0 | -- | -- | 6850 C | 6850 I | 274 | 274 |
| | Sawn | All | 35 C | 0 | 396 | -- | 17055 C | 17055 I | 810 | 810 |
| | | C | 30 C | 0 | 354 | -- | 158 C | 158 I | 221 | 221 |
| | | NC | 5 C | 0 | -- | -- | 16896 C | 16896 I | 830 | 830 |
| | Ven | All | 781 C | 0 | 1434 | -- | 1045 C | 1045 I | 2333 | 2333 |
| | | C | 361 C | 0 | 1221 | -- | 56 C | 56 I | 563 | 563 |
| | | NC | 420 C | 0 | 1688 | -- | 989 C | 989 I | 2842 | 2842 |
| | Ply | All | 160 C | 0 | 594 | -- | 24729 C | 24729 I | 366 | 366 |
| | | C | 112 C | 0 | 579 | -- | 0 I | 0 I | -- | -- |
| | | NC | 48 C | 0 | 633 | -- | 24729 C | 24729 I | 366 | 366 |
| Guatemala | Logs | All | 67 C | 9 | 291 | 1154 | 213 | 136 | 156 | 143 |
| | | C | 58 C | 0 | 262 | -- | 211 | 136 I | 155 | 143 |
| | | NC | 9 C | 9 | 1157 | 1154 | 2 | 0 | -- | -- |
| | Sawn | All | 144 C | 371 | 445 | 342 | 15209 | 10052 | 227 | 313 |
| | | C | 52 C | 166 | 354 | 241 | 7220 | 2260 | 138 | 129 |
| | | NC | 92 C | 205 | 521 | 515 | 7989 | 7793 I | 551 | 536 |
| | Ven | All | 242 C | 249 | 732 | 916 | 46 | 296 | 913 | 383 |
| | | C | 39 C | 2 | 430 | 499 | 0 | 0 | -- | -- |
| | | NC | 203 C | 247 | 845 | 923 | 46 I | 296 I | 913 | 383 |
| | Ply | All | 1651 C | 1382 | 270 | 437 | 2404 | 2128 | 461 | -- |
| | | C | 115 C | 111 | 235 | 503 | 0 I | 0 I | -- | -- |
| | | NC | 1535 C | 1271 | 273 | 433 | 2404 I | 2128 I | 461 | -- |
| Guyana | Logs | All | 0 | 0 | -- | -- | 3494 | 4578 | 85 | 82 |
| | | C | 0 | 0 | -- | -- | 0 | 0 | -- | -- |
| | | NC | 0 | 0 | -- | -- | 3494 | 4578 | 85 | 82 |
| | Sawn | All | 0 | 5 | -- | -- | 7591 | 10717 | 330 | 327 |
| | | C | 0 | 5 | -- | -- | 0 | 0 | -- | -- |
| | | NC | 0 | 0 | -- | -- | 7591 | 10717 | 330 | 327 |
| | Ven | All | 0 | 0 | -- | -- | 0 | 0 | -- | -- |
| | | C | 0 | 0 | -- | -- | 0 | 0 | -- | -- |
| | | NC | 0 | 0 | -- | -- | 0 | 0 | -- | -- |
| | Ply | All | 0 | 5113 | -- | 205 | 16691 | 12271 | 239 | 262 |
| | | C | 0 | 5113 | -- | 205 | 0 | 0 | -- | -- |
| | | NC | 0 | 0 | -- | -- | 16691 | 12271 | 239 | 262 |
| Honduras | Logs | All | 0 | 60 | -- | 200 | 0 | 60 | -- | -- |
| | | C | 0 | 60 | -- | 200 | 0 | 60 | -- | -- |
| | | NC | 0 | 0 | -- | -- | 0 | 0 | -- | -- |
| | Sawn | All | 1247 | 1650 | 208 | 119 | 40731 | 38431 | 221 | 203 |
| | | C | 929 | 1462 | 186 | 110 | 40731 | 38431 | 221 | 203 |
| | | NC | 318 | 187 | 318 | 312 | 0 | 0 | -- | -- |
| | Ven | All | 48 | 237 | 480 | 591 | 0 | 0 | -- | -- |
| | | C | 0 | 0 | -- | -- | 0 | 0 | -- | -- |
| | | NC | 48 | 237 | 480 | 591 | 0 | 0 | -- | -- |
| | Ply | All | 721 | 821 | 601 | 547 | 2190 | 1573 | 313 | 315 |
| | | C | 596 | 613 | 596 | 557 | 2190 | 1573 | 313 | 315 |
| | | NC | 125 | 208 | 625 | 520 | 0 | 0 | -- | -- |

# Table 1-2-c. Trade of All Timber by ITTO Producers - Value (1000 $ and $/m$^3$)

| | | | Imports | | | | Exports | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Value | | Unit Value | | Value | | Unit Value | |
| Country | Product | Species | 2001 | 2002 | 2001 | 2002 | 2001 | 2002 | 2001 | 2002 |
| Panama | Logs | All | 1859 I | 1107 | 328 | 309 | 539 | 198 | 74 | 56 |
| | | C | 979 | 1104 | 358 | 308 | 0 | 0 | -- | -- |
| | | NC | 879 I | 3 | 300 | -- | 539 | 198 | 74 | 56 |
| | Sawn | All | 1132 | 1623 | 234 | 333 | 1565 | 914 I | 375 | 164 |
| | | C | 855 | 1530 | 245 | 322 | 0 R | 51 | -- | 229 |
| | | NC | 276 | 93 | 207 | 713 | 1565 | 863 I | 392 | 162 |
| | Ven | All | 3105 I | 78 | 556 | 582 | 0 | 0 | -- | -- |
| | | C | 0 | 0 | -- | -- | 0 | 0 | -- | -- |
| | | NC | 3105 I | 78 | 556 | 582 | 0 | 0 | -- | -- |
| | Ply | All | 8972 I | 3370 | 401 | 447 | 0 | 0 | -- | -- |
| | | C | 151 | 663 | -- | 356 | 0 | 0 | -- | -- |
| | | NC | 8820 I | 2707 | 439 | 476 | 0 | 0 | -- | -- |
| Peru | Logs | All | 6314 | 0 | 302 | -- | 0 | 0 R | -- | 303 |
| | | C | 1214 I | 0 | 302 | -- | 0 | 0 | -- | -- |
| | | NC | 5100 I | 0 | 302 | -- | 0 | 0 R | -- | 303 |
| | Sawn | All | 2338 | 3075 | 234 | 224 | 52157 | 78278 | 651 | 713 |
| | | C | 2338 | 3075 | 234 | 224 | 472 | 76 | 177 | 379 |
| | | NC | 0 | 0 | -- | -- | 51685 | 78202 | 667 | 713 |
| | Ven | All | 661 | 419 | 1580 | 1828 | 3653 | 2107 | 453 | 395 |
| | | C | 57 | 267 | 1465 | 1909 | 0 | 0 | -- | -- |
| | | NC | 604 | 151 | 1592 | 1699 | 3653 | 2107 | 453 | 395 |
| | Ply | All | 317 | 593 | 280 | 409 | 9801 | 6195 I | 506 | 483 |
| | | C | 261 | 529 | 261 | 459 | 0 | 75 I | -- | 300 |
| | | NC | 56 | 65 | 428 | 216 | 9801 | 6121 | 506 | 487 |
| Suriname | Logs | All | 0 | 0 | -- | -- | 1091 | 3155 | 136 | 122 |
| | | C | 0 | 0 | -- | -- | 0 | 0 | -- | -- |
| | | NC | 0 | 0 | -- | -- | 1091 | 3155 | 136 | 122 |
| | Sawn | All | 0 | 0 | -- | -- | 2286 | 2137 | 286 | 257 |
| | | C | 0 | 0 | -- | -- | 0 | 0 | -- | -- |
| | | NC | 0 | 0 | -- | -- | 2286 | 2137 | 286 | 257 |
| | Ven | All | 0 | 0 | -- | -- | 0 | 0 | -- | -- |
| | | C | 0 | 0 | -- | -- | 0 | 0 | -- | -- |
| | | NC | 0 | 0 | -- | -- | 0 | 0 | -- | -- |
| | Ply | All | 1119 | 1154 | 589 | 679 | 80 | 34 | 267 | 340 |
| | | C | 0 | 0 | -- | -- | 0 | 0 | -- | -- |
| | | NC | 1119 I | 1154 | 589 | 679 | 80 | 34 | 267 | 340 |
| Trinidad and Tobago | Logs | All | 1086 | 1103 | 270 | 165 | 2 | 41 | 2435 | 664 |
| | | C | 838 | 811 | 363 | 316 | 0 | 0 | -- | -- |
| | | NC | 247 | 292 | 144 | 71 | 2 | 41 | 2435 | 664 |
| | Sawn | All | 14722 | 14063 | 305 | 261 | 284 | 200 | 387 | 831 |
| | | C | 13636 | 12638 | 298 | 251 | 64 | 10 | 423 | 692 |
| | | NC | 1086 | 1426 | 419 | 414 | 220 | 191 | 377 | 840 |
| | Ven | All | 60 | 13 | 1629 | 3837 | 4 | 1 | -- | 3423 |
| | | C | 17 | 13 | 1740 | 4504 | 0 | 1 | -- | 2168 |
| | | NC | 43 | 0 | 1588 | -- | 4 | 0 R | -- | -- |
| | Ply | All | 9290 | 7794 | 430 | 469 | 55 | 36 | 738 | 844 |
| | | C | 7981 | 7107 | 432 | 472 | 48 | 36 | 720 | 847 |
| | | NC | 1309 | 686 | 419 | 442 | 6 | 0 R | 914 | 425 |
| Venezuela | Logs | All | 0 | 9 | -- | 757 | 173 | 214 | 31 | 53 |
| | | C | 0 | 2 | -- | 463 | 0 | 0 | -- | -- |
| | | NC | 0 | 8 | -- | 872 | 173 | 214 | 31 | 53 |
| | Sawn | All | 4951 | 6444 | 186 | 151 | 1310 | 7925 | 191 | 131 |
| | | C | 2650 | 711 | 144 | 195 | 1262 | 7874 | 187 | 130 |
| | | NC | 2301 | 5733 | 279 | 147 | 48 | 52 | 520 | 612 |
| | Ven | All | 17 I | 2602 | 694 | 581 | 5 | 15 | 434 | 166 |
| | | C | 1 I | 2204 | 690 | 561 | 0 R | 7 | -- | -- |
| | | NC | 16 | 398 | 694 | 728 | 5 | 8 | 440 | -- |
| | Ply | All | 13945 | 11194 | 341 | 296 | 92 | 13 | 151 | 364 |
| | | C | 8955 | 5358 | 412 | 290 | 92 | 13 | 151 | 364 |
| | | NC | 4990 | 5836 | 261 | 301 | 0 | 0 | -- | -- |

## Table 1-2-c. Trade of All Timber by ITTO Producers - Value (1000 $ and $/m$^3$)

| | | | Imports | | | | Exports | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | Value | | Unit Value | | Value | | Unit Value | |
| Country | Product | Species | 2001 | 2002 | 2001 | 2002 | 2001 | 2002 | 2001 | 2002 |
| **Producers Total** | **Logs** | **All** | **776261** | **596264** | **163** | **175** | **2745068** | **1896950** | **162** | **138** |
| | | **C** | **13429** | **13477** | **92** | **99** | **17408** | **16155** | **35** | **37** |
| | | **NC** | **762832** | **582787** | **165** | **178** | **2727660** | **1880794** | **166** | **141** |
| | **Sawn** | **All** | **522246** | **596968** | **189** | **166** | **2959033** | **2968636** | **295** | **280** |
| | | **C** | **99660** | **109729** | **240** | **226** | **294842** | **310059** | **203** | **165** |
| | | **NC** | **422586** | **487239** | **181** | **157** | **2664191** | **2658577** | **311** | **305** |
| | **Ven** | **All** | **106595** | **106900** | **490** | **372** | **364725** | **385509** | **301** | **278** |
| | | **C** | **12157** | **15669** | **1008** | **758** | **6445** | **9486** | **298** | **90** |
| | | **NC** | **94438** | **91231** | **460** | **343** | **358281** | **376023** | **301** | **293** |
| | **Ply** | **All** | **76717** | **86255** | **389** | **400** | **3280268** | **3332306** | **288** | **292** |
| | | **C** | **35579** | **40183** | **468** | **420** | **163431** | **251955** | **291** | **231** |
| | | **NC** | **41139** | **46072** | **340** | **384** | **3116838** | **3080351** | **288** | **299** |
| | **Total** | **All** | **1481819** | **1386387** | **--** | **--** | **9349094** | **8583401** | **--** | **--** |
| | | **C** | **160824** | **179057** | **--** | **--** | **482126** | **587656** | **--** | **--** |
| | | **NC** | **1320994** | **1207329** | **--** | **--** | **8866969** | **7995746** | **--** | **--** |
| **ITTO Total** | **Logs** | **All** | **8742408** | **8657807** | **77** | **75** | **5800361** | **4948886** | **96** | **88** |
| | | **C** | **4229057** | **4538135** | **61** | **62** | **2018400** | **2062407** | **58** | **61** |
| | | **NC** | **4513350** | **4119672** | **104** | **98** | **3781961** | **2886478** | **148** | **128** |
| | **Sawn** | **All** | **21007823** | **21356112** | **212** | **207** | **18802836** | **19015349** | **216** | **210** |
| | | **C** | **14500776** | **14797409** | **181** | **179** | **13407665** | **13624969** | **187** | **182** |
| | | **NC** | **6507046** | **6558703** | **340** | **323** | **5395170** | **5390380** | **352** | **346** |
| | **Ven** | **All** | **2125669** | **2211292** | **731** | **710** | **1939363** | **2055832** | **650** | **620** |
| | | **C** | **318545** | **352338** | **631** | **592** | **251828** | **295633** | **356** | **342** |
| | | **NC** | **1807124** | **1858956** | **753** | **738** | **1687536** | **1760199** | **741** | **717** |
| | **Ply** | **All** | **6058255** | **6333537** | **357** | **357** | **5523613** | **5792157** | **329** | **330** |
| | | **C** | **1348545** | **1386828** | **360** | **338** | **1167619** | **1355527** | **329** | **307** |
| | | **NC** | **4709711** | **4946709** | **356** | **363** | **4355994** | **4436630** | **329** | **338** |
| | **Total** | **All** | **37934155** | **38558749** | **--** | **--** | **32066173** | **31812223** | **--** | **--** |
| | | **C** | **20396923** | **21074710** | **--** | **--** | **16845512** | **17338536** | **--** | **--** |
| | | **NC** | **17537232** | **17484040** | **--** | **--** | **15220661** | **14473687** | **--** | **--** |

# Table 1-2-d. Trade of Tropical Timber by ITTO Producers - Value (1000 $ and $/m$^3$)

| | | Imports | | | | Exports | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | Value | | Unit Value | | Value | | Unit Value | |
| Country | Product | 2001 | 2002 | 2001 | 2002 | 2001 | 2002 | 2001 | 2002 |
| | **Logs** | **6541** | **2892** | **172** | **132** | **926313** | **814376** | **198** | **181** |
| | **Sawn** | **7651** | **3967** | **328** | **165** | **561011** | **594812** | **356** | **338** |
| **Africa** | **Ven** | **0** | **0** | **--** | **--** | **171512** | **182316** | **450** | **433** |
| | **Ply** | **576** | **3819** | **462** | **357** | **47501** | **56037** | **286** | **287** |
| | **Total** | **14767** | **10678** | **--** | **--** | **1706336** | **1647541** | **--** | **--** |
| Cameroon | Logs | 0 C | 0 | -- | -- | 28424 | 55250 I | 122 | 130 |
| | Sawn | 0 C | 0 | -- | -- | 249586 | 249874 I | 396 | 315 |
| | Ven | 0 C | 0 | -- | -- | 30342 | 17491 I | 933 | 639 |
| | Ply | 168 | 0 | 637 | -- | 9959 | 17283 I | 470 | 364 |
| Central | Logs | 0 I | 0 | -- | -- | 93900 I | 25000 I | 300 | 250 |
| African | Sawn | 0 I | 0 | -- | -- | 22800 I | 22800 I | 300 | 300 |
| Republic | Ven | 0 I | 0 | -- | -- | 0 I | 0 I | -- | -- |
| | Ply | 0 I | 0 | -- | -- | 158 I | 158 I | 350 | 350 |
| Congo, Dem. Rep. | Logs | 0 I | 0 | -- | -- | 2175 | 2016 | 128 | 187 |
| (former Zaire) | Sawn | 0 I | 0 | -- | -- | 2494 | 2229 | 336 | 76 |
| | Ven | 0 I | 0 | -- | -- | 0 | 0 | -- | -- |
| | Ply | 0 I | 0 | -- | -- | 0 | 0 | -- | -- |
| Congo, Rep. | Logs | 0 I | 0 | -- | -- | 226638 I | 167643 I | 300 | 300 |
| | Sawn | 0 I | 0 | -- | -- | 65096 I | 94836 I | 700 | 700 |
| | Ven | 0 I | 0 | -- | -- | 7587 I | 14426 I | 800 | 800 |
| | Ply | 0 I | 0 | -- | -- | 552 I | 2026 I | 500 | 500 |
| Côte d'Ivoire | Logs | 6250 I | 2432 | 169 | 250 | 25089 | 18820 | 198 | 220 |
| | Sawn | 0 | 0 | -- | -- | 110204 | 104656 I | 278 | 300 |
| | Ven | 0 | 0 | -- | -- | 43466 | 54354 I | 359 | 360 |
| | Ply | 0 | 0 | -- | -- | 9693 | 10853 I | 289 | 285 |
| Gabon | Logs | 64 | 0 | -- | -- | 254539 I | 220000 I | 110 | 110 |
| | Sawn | 7207 I | 3500 | 542 | 250 | 19099 | 25750 I | 248 | 250 |
| | Ven | 0 | 0 | -- | -- | 39561 | 41040 I | 380 | 380 |
| | Ply | 0 | 3500 | -- | 350 | 13642 | 7200 I | 239 | 240 |
| Ghana | Logs | 0 | 0 | -- | -- | 0 | 0 | -- | -- |
| | Sawn | 0 | 0 | -- | -- | 75390 | 75283 | 315 | 363 |
| | Ven | 0 | 0 | -- | -- | 50556 | 55005 | 443 | 471 |
| | Ply | 0 | 0 | -- | -- | 13498 | 18517 | 255 | 246 |
| Liberia | Logs | 0 I | 0 | -- | -- | 235000 I | 275000 I | 250 | 250 |
| | Sawn | 0 I | 0 | -- | -- | 4500 I | 7500 I | 300 | 300 |
| | Ven | 0 I | 0 | -- | -- | 0 I | 0 I | -- | -- |
| | Ply | 0 I | 0 | -- | -- | 0 I | 0 I | -- | -- |
| Nigeria | Logs | 0 C | 221 | -- | 442 | 59933 C | 50000 I | 231 | 250 |
| | Sawn | 0 I | 0 | -- | -- | 11040 I | 11040 I | 300 | 300 |
| | Ven | 0 I | 0 | -- | -- | 0 I | 0 I | -- | -- |
| | Ply | 108 C | 19 C | 381 | 2068 | 0 I | 0 I | -- | -- |
| Togo | Logs | 227 | 238 | 227 | 238 | 615 | 647 | 36 | 38 |
| | Sawn | 444 | 467 | 44 | 47 | 803 | 845 | 134 | 141 |
| | Ven | 0 | 0 | -- | -- | 0 | 0 | -- | -- |
| | Ply | 300 I | 300 I | 429 | 429 | 0 | 0 | -- | -- |

# Table 1-2-d. Trade of Tropical Timber by ITTO Producers - Value (1000 $ and $/m$^3$)

| | | Imports | | | | Exports | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | Value | | Unit Value | | Value | | Unit Value | |
| Country | Product | 2001 | 2002 | 2001 | 2002 | 2001 | 2002 | 2001 | 2002 |
| | **Logs** | **676120** | **521213** | **172** | **187** | **1555461** | **940202** | **135** | **112** |
| | **Sawn** | **311097** | **353278** | **170** | **152** | **1643705** | **1571466** | **293** | **288** |
| **Asia-Pacific** | **Ven** | **45153** | **31821** | **340** | **337** | **160880** | **151558** | **211** | **219** |
| | **Ply** | **14471** | **22486** | **306** | **351** | **2812623** | **2780444** | **291** | **301** |
| | **Total** | **1046841** | **928797** | **--** | **--** | **6172669** | **5443670** | **--** | **--** |
| Cambodia | Logs | 0 I | 0 | -- | -- | 0 | 0 I | -- | -- |
| | Sawn | 0 I | 0 | -- | -- | 1629 | 1650 I | 326 | 330 |
| | Ven | 0 I | 0 | -- | -- | 7898 | 14805 I | 329 | 329 |
| | Ply | 0 I | 0 | -- | -- | 4628 | 4620 I | 331 | 330 |
| Fiji | Logs | 0 | 0 | -- | -- | 0 | 0 | -- | -- |
| | Sawn | 0 | 0 | -- | -- | 1950 | 4263 | 433 | 935 |
| | Ven | 0 | 0 | -- | -- | 1146 | 1384 | 716 | 1345 |
| | Ply | 39 | 200 | 269 | 695 | 1942 | 5621 | 571 | 1122 |
| India | Logs | 487959 C | 360504 | 202 | 231 | 1402 C | 2090 G | 202 | 223 |
| | Sawn | 2618 C | 2286 | 368 | 355 | 279 C | 1205 G | 316 | 242 |
| | Ven | 927 C | 1228 | 487 | 457 | 2920 C | 3841 G | 2579 | 1221 |
| | Ply | 3529 C | 1429 | 209 | 132 | 7505 C | 6025 G | 117 | 102 |
| Indonesia | Logs | 3749 | 5107 | 97 | 61 | 862996 I | 150000 I | 250 | 250 |
| | Sawn | 9181 | 12383 | 460 | 458 | 734911 I | 712943 I | 327 | 356 |
| | Ven | 7130 | 9105 | 2204 | 2185 | 1555 | 1377 | 290 | 359 |
| | Ply | 630 | 905 | 759 | 256 | 1837915 I | 1748310 I | 306 | 317 |
| Malaysia | Logs | 63009 | 46127 | 86 | 155 | 407027 | 476888 | 81 | 94 |
| | Sawn | 60679 | 70103 | 103 | 109 | 654896 | 646553 | 256 | 258 |
| | Ven | 9004 I | 2843 | 643 | 223 | 126758 | 114174 | 193 | 190 |
| | Ply | 6234 I | 4007 | 297 | 415 | 925655 | 1005480 | 263 | 278 |
| Myanmar | Logs | 0 I | 0 | -- | -- | 194618 | 211010 * | 131 | 244 |
| | Sawn | 0 I | 0 | -- | -- | 91269 | 19770 * | 376 | 821 |
| | Ven | 0 I | 0 | -- | -- | 159 | 10 I | 277 | 280 |
| | Ply | 0 I | 0 | -- | -- | 30870 I | 2176 | 688 | 465 |
| Papua New Guinea | Logs | 0 I | 0 | -- | -- | 89393 * | 99751 * | 57 | 54 |
| | Sawn | 0 I | 0 | -- | -- | 15291 | 12000 I | 385 | 300 |
| | Ven | 0 I | 0 | -- | -- | 10636 * | 6300 I | 156 | 180 |
| | Ply | 0 I | 0 | -- | -- | 0 | 0 I | -- | -- |
| Philippines | Logs | 23372 | 21800 | 90 | 94 | 9 | 90 I | 94 | 90 |
| | Sawn | 28552 | 55584 | 132 | 254 | 15222 I | 10265 I | 156 | 113 |
| | Ven | 20186 | 8860 | 193 | 139 | 1244 I | 1512 I | 558 | 574 |
| | Ply | 206 | 6580 | 413 | 350 | 2694 I | 6658 | 499 | 472 |
| Thailand | Logs | 98032 | 87675 | 204 | 144 | 15 | 123 | -- | 41 |
| | Sawn | 209824 | 212922 | 210 | 149 | 126118 | 159517 C | 315 | 210 |
| | Ven | 7853 | 9784 | 873 | 889 | 8566 | 8155 | 4283 | 4078 |
| | Ply | 3497 I | 9365 | 437 | 446 | 1415 | 1555 | 472 | 518 |
| Vanuatu | Logs | 0 | 0 | -- | -- | 0 | 250 I | -- | 250 |
| | Sawn | 243 | 0 | -- | -- | 2141 | 3300 I | 183 | 300 |
| | Ven | 53 | 0 | -- | -- | 0 | 0 I | -- | -- |
| | Ply | 337 | 0 | -- | -- | 0 | 0 I | -- | -- |

# Table 1-2-d. Trade of Tropical Timber by ITTO Producers - Value (1000 $ and $/m$^3$)

| | | Imports | | | | Exports | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | Value | | Unit Value | | Value | | Unit Value | |
| Country | Product | 2001 | 2002 | 2001 | 2002 | 2001 | 2002 | 2001 | 2002 |
| | **Logs** | **349** | **933** | **110** | **79** | **14296** | **19922** | **137** | **138** |
| **Latin** | **Sawn** | **1965** | **10831** | **334** | **201** | **390523** | **467925** | **326** | **342** |
| **America** | **Ven** | **5229** | **3229** | **955** | **2179** | **22696** | **40459** | **538** | **247** |
| **Caribbean** | **Ply** | **10154** | **11485** | **375** | **371** | **207994** | **237656** | **213** | **274** |
| | **Total** | **17698** | **26478** | **--** | **--** | **635508** | **765963** | **--** | **--** |
| Bolivia | Logs | 30 | 27 | 35 | 34 | 21 | 263 | 22 | 114 |
| | Sawn | 255 | 439 | 326 | 325 | 20951 | 20302 | 490 | 604 |
| | Ven | 82 | 26 | 761 | 729 | 2059 | 2454 | 1038 | 2782 |
| | Ply | 0 | 0 | -- | -- | 13 | 46 | 1615 | 369 |
| Brazil | Logs | 27 | 600 | 60 | 88 | 549 | 1738 G | 167 | 186 |
| | Sawn | 270 | 3654 | 178 | 339 | 283449 I | 331779 G | 280 | 289 |
| | Ven | 2441 | 2169 | 1865 | 4505 | 19130 I | 36292 G | 487 | 225 |
| | Ply | 703 | 2 | 1211 | 124 | 159679 I | 195022 G | 193 | 261 |
| Colombia | Logs | 0 | 9 | -- | 92 | 1575 | 2905 | 120 | 155 |
| | Sawn | 51 | 0 | 150 | -- | 618 | 508 | 661 | 485 |
| | Ven | 425 | 454 | 2008 | 2291 | 2 | 0 | 596 | -- |
| | Ply | 89 | 25 | 1202 | 1105 | 2603 | 3420 | 605 | 548 |
| Ecuador | Logs | 0 C | 0 | -- | -- | 6850 C | 6850 I | 274 | 274 |
| | Sawn | 3 C | 0 | -- | -- | 16896 C | 16896 I | 830 | 830 |
| | Ven | 193 C | 0 | 1225 | -- | 989 C | 989 I | 2842 | 2842 |
| | Ply | 41 C | 0 | 550 | -- | 24729 C | 24729 I | 366 | 366 |
| Guatemala | Logs | 0 I | 0 R | -- | -- | 2 I | 0 | -- | -- |
| | Sawn | 91 C | 202 | 520 | 514 | 7989 I | 7793 I | 551 | 536 |
| | Ven | 184 C | 232 | 790 | 881 | 46 I | 296 I | 913 | 383 |
| | Ply | 1510 C | 1266 | 270 | 431 | 2404 I | 2128 I | 461 | -- |
| Guyana | Logs | 0 | 0 | -- | -- | 3494 | 4578 | 85 | 82 |
| | Sawn | 0 | 0 | -- | -- | 7591 | 10717 | 330 | 327 |
| | Ven | 0 | 0 | -- | -- | 0 | 0 | -- | -- |
| | Ply | 0 | 0 | -- | -- | 16691 | 12271 | 239 | 262 |
| Honduras | Logs | 0 | 0 | -- | -- | 0 | 0 | -- | -- |
| | Sawn | 0 | 0 | -- | -- | 0 | 0 | -- | -- |
| | Ven | 0 | 0 | -- | -- | 0 | 0 | -- | -- |
| | Ply | 0 | 0 | -- | -- | 0 | 0 | -- | -- |
| Panama | Logs | 45 I | 0 | 300 | -- | 539 | 179 | 74 | 56 |
| | Sawn | 253 | 77 | 440 | 901 | 1565 | 621 | 392 | 153 |
| | Ven | 1533 | 19 | 475 | 2605 | 0 | 0 | -- | -- |
| | Ply | 6330 I | 2621 | 350 | 472 | 0 | 0 | -- | -- |
| Peru | Logs | 0 | 0 | -- | -- | 0 | 0 R | -- | 303 |
| | Sawn | 0 | 0 | -- | -- | 48908 | 76931 | 698 | 728 |
| | Ven | 327 | 48 | 1636 | 2299 | 462 | 420 | 862 | 826 |
| | Ply | 0 | 0 | -- | -- | 1788 | 6 | 959 | 683 |
| Suriname | Logs | 0 | 0 | -- | -- | 1091 | 3155 | 136 | 122 |
| | Sawn | 0 | 0 | -- | -- | 2286 | 2137 | 286 | 257 |
| | Ven | 0 | 0 | -- | -- | 0 | 0 | -- | -- |
| | Ply | 1119 I | 1154 | 589 | 679 | 80 | 34 | 267 | 340 |

# Table 1-2-d. Trade of Tropical Timber by ITTO Producers - Value (1000 $ and $/m$^3$)

| | | Imports | | | | Exports | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | Value | | Unit Value | | Value | | Unit Value | |
| Country | Product | 2001 | 2002 | 2001 | 2002 | 2001 | 2002 | 2001 | 2002 |
| Trinidad | Logs | 247 | 292 | 144 | 71 | 2 | 41 | 2435 | 664 |
| and Tobago | Sawn | 1020 | 1335 | 421 | 413 | 220 | 191 | 377 | 840 |
| | Ven | 43 | 0 | 1588 | -- | 4 | 0 R | -- | -- |
| | Ply | 313 | 686 | 682 | 442 | 6 | 0 R | 914 | 425 |
| Venezuela | Logs | 0 | 4 | -- | 4769 | 173 | 214 | 31 | 53 |
| | Sawn | 22 | 5125 | 279 | 135 | 48 | 52 | 520 | 612 |
| | Ven | 2 | 281 | 1110 | 592 | 5 | 8 | 440 | -- |
| | Ply | 49 | 5729 | 256 | 299 | 0 | 0 | -- | -- |
| **Producers Total** | **Logs** | **683009** | **525038** | **172** | **186** | **2496069** | **1774501** | **153** | **136** |
| | **Sawn** | **320713** | **368076** | **172** | **153** | **2595238** | **2634203** | **309** | **307** |
| | **Ven** | **50383** | **35050** | **364** | **355** | **355088** | **374333** | **300** | **293** |
| | **Ply** | **25201** | **37789** | **333** | **357** | **3068118** | **3074137** | **284** | **299** |
| | **Total** | **1079306** | **965954** | **--** | **--** | **8514513** | **7857174** | **--** | **--** |
| **ITTO Total** | **Logs** | **2678047** | **2402139** | **154** | **153** | **2552728** | **1823213** | **155** | **138** |
| | **Sawn** | **3189952** | **3076973** | **333** | **305** | **2948755** | **2923287** | **324** | **320** |
| | **Ven** | **535630** | **515760** | **430** | **443** | **493439** | **512213** | **379** | **360** |
| | **Ply** | **3230712** | **3447633** | **326** | **333** | **3454840** | **3491472** | **298** | **309** |
| | **Total** | **9634340** | **9442503** | **--** | **--** | **9449763** | **8750185** | **--** | **--** |

# Appendix 1 - Table 1-3

# Production and Trade of Reconstituted Panels, Wood Pulp and Paper by Major ITTO Producers, 1998-2002

## NOTES

1. PRODUCT LIST

| **Particle Board** | **Wood Pulp** | **Paper and Paperboard** |
|---|---|---|
| | Mechanical Wood Pulp | Newsprint |
| **Fibreboard** | Dissolving Wood Pulp | Printing and Writing Paper |
| Hardboard | Semi-chemical Wood Pulp | Other Paper and Paperboard |
| MDF | Chemical Wood Pulp | Household and Sanitary Paper |
| Insulating Board | Sulphate Unbleached | Wrapping and Packaging Paper and Paperboard |
| | Sulphate Bleached | Other Paper and Paperboard NES |
| | Sulphite Unbleached | |
| | Sulphite Bleached | |

2. Countries in all Tables are ranked by 2002 values.

3. Production and trade statistics are provided for the top five ITTO producer countries (or fewer, when the producer total is accounted for by less countries) in each category. When a country appears in a production table but not in the corresponding Export table (or vice-versa), it is added in italics to the table in which it does not rank as one of the top five ITTO producers for reference, if non-zero values exist for at least one year. Likewise, when a country appears in a trade quantity table but not in a corresponding trade value table, it is added in italics to the table in which it is not one of the top five ITTO producer countries for reference.

4. The cell in all Tables for "%Prod" of "Total Producers" corresponds to the percentage of all ITTO producers accounted for by the top ITTO producers listed in a given category.

5. Data are from FAOSTAT but have been adjusted using other sources and Secretariat estimates when production levels were significantly below exports or missing and/or when the sum of components were not consistent with aggregate totals. Any figures not taken from FAOSTAT are denoted by the superscripts listed in the Notes preceding these Appendices.

# Table 1-3. Production and Trade of Reconstituted Panels, Wood Pulp and Paper by Major ITTO Producers, 1998-2002

**PARTICLE BOARD - PRODUCTION**

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Vol. ($m^3$) | %Chng | %Prod | World | Vol. ($m^3$) | %Chng | %Prod | %World | Vol. ($m^3$) | %Chng | %Prod | %World | Vol. ($m^3$) | %Chng | %Prod | %World | Vol. ($m^3$) | %Chng | %Prod | %World |
| **Brazil** | 660000 | - | 31.6 | 0.9 | 1500000 | 127.3 | 48.9 | 1.9 | 1762000 | 17.5 | 49.8 | 2.1 | 1762000 | 0.0 | 48.4 | 2.1 | 1762000 | 0.0 | 48.8 | 2.1 |
| **Thailand** | 256000 [I] | - | 12.3 | 0.4 | 452000 [I] | 76.6 | 14.7 | 0.6 | 500000 [I] | 10.6 | 14.1 | 0.6 | 538000 [I] | 7.6 | 14.8 | 0.6 | 538000 [I] | 0.0 | 14.9 | 0.6 |
| **Malaysia** | 250000 | - | 12.0 | 0.3 | 350000 [I] | 40.0 | 11.4 | 0.4 | 455000 [I] | 30.0 | 12.9 | 0.5 | 534000 | 17.4 | 14.7 | 0.6 | 523000 | -2.1 | 14.5 | 0.6 |
| **Indonesia** | 574000 [I] | - | 27.5 | 0.8 | 313000 [I] | -45.5 | 10.2 | 0.4 | 300000 [I] | -4.2 | 8.5 | 0.4 | 297000 | -1.0 | 8.2 | 0.4 | 297000 | 0.0 | 8.2 | 0.4 |
| **India** | 53000 | - | 2.5 | 0.1 | 98000 | 84.9 | 3.2 | 0.1 | 143000 | 45.9 | 4.0 | 0.2 | 143000 | 0.0 | 3.9 | 0.2 | 143000 | 0.0 | 4.0 | 0.2 |
| ***Colombia*** | *69000* | - | *3.3* | *0.1* | *139000* | *101.4* | *4.5* | *0.2* | *160000* | *15.1* | *4.5* | *0.2* | *147000* | *-8.1* | *4.0* | *0.2* | *131000* | *-10.9* | *3.6* | *0.2* |
| ***Ecuador*** | *94000* | - | *4.5* | *0.1* | *94000* | *0.0* | *3.1* | *0.1* | *94000* | *0.0* | *2.7* | *0.1* | *94000* | *0.0* | *2.6* | *0.1* | *94000* | *0.0* | *2.6* | *0.1* |
| **Total Producers** | 2087100 [I] | - | 85.9 | 2.9 | 3065100 [I] | 46.9 | 88.5 | 3.8 | 3536200 [I] | 15.4 | 89.4 | 4.2 | 3639100 [I] | 2.9 | 90.0 | 4.4 | 3608100 [I] | -0.9 | 90.4 | 4.3 |
| **World** | 72889710 [I] | - | - | - | 79707700 [I] | 9.4 | - | - | 85178503 [I] | 6.9 | - | - | 83064706 [I] | -2.5 | - | - | 84792666 [I] | 2.1 | - | - |

**PARTICLE BOARD - IMPORTS** BY VOLUME

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Vol. ($m^3$) | %Chng | %Prod | %World | Vol. ($m^3$) | %Chng | %Prod | %World | Vol. ($m^3$) | %Chng | %Prod | %World | Vol. ($m^3$) | %Chng | %Prod | %World | Vol. ($m^3$) | %Chng | %Prod | %World |
| **Brazil** | 72700 | - | 33.8 | 0.4 | 41000 | -43.6 | 20.2 | 0.2 | 120800 | 194.6 | 36.6 | 0.6 | 73500 | -39.2 | 26.3 | 0.3 | 73500 | 0.0 | 25.2 | 0.3 |
| **Malaysia** | 38700 | - | 18.0 | 0.2 | 45000 | 16.3 | 22.2 | 0.2 | 55200 | 22.7 | 16.7 | 0.3 | 48800 | -11.6 | 17.5 | 0.2 | 48800 | 0.0 | 16.7 | 0.2 |
| **Peru** | 27000 | - | 12.6 | 0.1 | 21000 | -22.2 | 10.3 | 0.1 | 27000 | 28.6 | 8.2 | 0.1 | 31000 | 14.8 | 11.1 | 0.1 | 41000 | 32.3 | 14.0 | 0.2 |
| **Guatemala** | 18300 | - | 8.5 | 0.1 | 14000 | -23.5 | 6.9 | 0.1 | 15000 | 7.1 | 4.5 | 0.1 | 18000 | 20.0 | 6.4 | 0.1 | 24432 | 35.7 | 8.4 | 0.1 |
| **Philippines** | 14200 | - | 6.6 | 0.1 | 18600 | 31.0 | 9.2 | 0.1 | 28400 | 52.7 | 8.6 | 0.1 | 18700 | -34.2 | 6.7 | 0.1 | 23900 | 27.8 | 8.2 | 0.1 |
| ***Colombia*** | *12000* | - | *5.6* | *0.1* | *9000* | *-25.0* | *4.4* | *0.0* | *8900* | *-1.1* | *2.7* | *0.0* | *8000* | *-10.1* | *2.9* | *0.0* | *17600* | *120.0* | *6.0* | *0.1* |
| **Total Producers** | 214815 | - | 79.6 | 1.1 | 202916 | -5.5 | 68.8 | 1.0 | 330100 | 62.7 | 74.6 | 1.6 | 279300 | -15.4 | 68.0 | 1.3 | 291892 | 4.5 | 72.5 | 1.2 |
| **World** | 18906571 | - | - | - | 20019906 | 5.9 | - | - | 21127075 | 5.5 | - | - | 22259769 | 5.4 | - | - | 23688264 | 6.4 | - | - |

BY VALUE

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World |
| **Brazil** | 17083 | - | 30.8 | 0.4 | 8192 | -52.0 | 16.9 | 0.2 | 17219 | 110.2 | 27.0 | 0.4 | 10514 | -38.9 | 19.0 | 0.3 | 10514 | 0.0 | 18.3 | 0.3 |
| **Malaysia** | 9392 | - | 17.0 | 0.2 | 12947 | 37.9 | 26.7 | 0.3 | 13000 | 0.4 | 20.4 | 0.3 | 10422 | -19.8 | 18.8 | 0.3 | 10422 | 0.0 | 18.1 | 0.3 |
| **Peru** | 7417 | - | 13.4 | 0.2 | 5330 | -28.1 | 11.0 | 0.1 | 6680 | 25.3 | 10.5 | 0.2 | 7638 | 14.3 | 13.8 | 0.2 | 8896 | 16.5 | 15.5 | 0.2 |
| **Guatemala** | 4215 | - | 7.6 | 0.1 | 3231 | -23.3 | 6.7 | 0.1 | 3387 | 4.8 | 5.3 | 0.1 | 3973 | 17.3 | 7.2 | 0.1 | 5764 | 45.1 | 10.0 | 0.1 |
| **Colombia** | 3198 | - | 5.8 | 0.1 | 2009 | -37.2 | 4.1 | 0.0 | 2002 | -0.3 | 3.1 | 0.0 | 2734 | 36.6 | 4.9 | 0.1 | 4999 | 82.8 | 8.7 | 0.1 |
| ***Philippines*** | *4597* | - | *8.3* | *0.1* | *5408* | *17.6* | *11.2* | *0.1* | *5523* | *2.1* | *8.7* | *0.1* | *3250* | *-41.2* | *5.9* | *0.1* | *4039* | *24.3* | *7.0* | *0.1* |
| **Total Producers** | 55409 | - | 74.5 | 1.3 | 48497 | -12.5 | 65.4 | 1.1 | 63736 | 31.4 | 66.3 | 1.5 | 55436 | -13.0 | 63.6 | 1.5 | 57446 | 3.6 | 70.7 | 1.5 |
| **World** | 4113875 | - | - | - | 4480961 | 8.9 | - | - | 4160484 | -7.2 | - | - | 3820004 | -8.2 | - | - | 3891008 | 1.9 | - | - |

**PARTICLE BOARD - EXPORTS** BY VOLUME BY VOLUME

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Vol. ($m^3$) | %Chng | %Prod | %World | Vol. ($m^3$) | %Chng | %Prod | %World | Vol. ($m^3$) | %Chng | %Prod | %World | Vol. ($m^3$) | %Chng | %Prod | %World | Vol. ($m^3$) | %Chng | %Prod | %World |
| **Thailand** | 207000 | - | 19.7 | 1.0 | 379000 | 83.1 | 35.7 | 1.9 | 433000 | 14.2 | 35.6 | 1.9 | 495000 | 14.3 | 43.8 | 2.2 | 383000 | -22.6 | 36.8 | 1.6 |
| **Malaysia** | 231000 | - | 22.0 | 1.2 | 319000 | 38.1 | 30.0 | 1.6 | 421000 | 32.0 | 34.6 | 1.9 | 367000 | -12.8 | 32.5 | 1.6 | 367000 | 0.0 | 35.2 | 1.5 |
| **Indonesia** | 540000 | - | 51.4 | 2.7 | 251100 | -53.5 | 23.6 | 1.2 | 241000 | -4.0 | 19.8 | 1.1 | 159100 | -34.0 | 14.1 | 0.7 | 171400 | 7.7 | 16.4 | 0.7 |
| **Ecuador** | 19200 | - | 1.8 | 0.1 | 15400 | -19.8 | 1.4 | 0.1 | 17000 | 10.4 | 1.4 | 0.1 | 30000 | 76.5 | 2.7 | 0.1 | 50000 | 66.7 | 4.8 | 0.2 |
| **Colombia** | 20500 | - | 2.0 | 0.1 | 63000 | 207.3 | 5.9 | 0.3 | 66700 | 5.9 | 5.5 | 0.3 | 31500 | -52.8 | 2.8 | 0.1 | 27200 | -13.7 | 2.6 | 0.1 |
| ***Brazil*** | *30000* | - | *2.9* | *0.2* | *31000* | *3.3* | *2.9* | *0.2* | *35000* | *12.9* | *2.9* | *0.2* | *36000* | *2.9* | *3.2* | *0.2* | *20200* | *-43.9* | *1.9* | *0.1* |
| ***India*** | *2300* | - | *0.2* | *0.0* | *1000* | *-56.5* | *0.1* | *0.0* | *1300* | *30.0* | *0.1* | *0.0* | *2000* | *53.8* | *0.2* | *0.0* | *400* | *-80.0* | *0.0* | *0.0* |
| **Total Producers** | 1051200 | - | 96.8 | 5.3 | 1062800 | 1.1 | 96.7 | 5.2 | 1217700 | 14.6 | 96.8 | 5.5 | 1129700 | -7.2 | 95.8 | 4.9 | 1041981 | -7.8 | 95.8 | 4.3 |
| **World** | 19885714 | - | - | - | 20479214 | 3.0 | - | - | 22270863 | 8.7 | - | - | 22883674 | 2.8 | - | - | 24121937 | 5.4 | - | - |

BY VALUE BY VALUE

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World |
| **Malaysia** | 30327 | - | 20.4 | 0.7 | 44035 | 45.2 | 30.4 | 1.0 | 67322 | 52.9 | 38.9 | 1.6 | 57866 | -14.0 | 36.2 | 1.5 | 57866 | 0.0 | 39.1 | 1.4 |
| **Thailand** | 23426 | - | 15.8 | 0.5 | 45004 | 92.1 | 31.1 | 1.0 | 50974 | 13.3 | 29.4 | 1.2 | 53633 | 5.2 | 33.5 | 1.4 | 44712 | -16.6 | 30.2 | 1.1 |
| **Indonesia** | 74376 | - | 50.0 | 1.7 | 34642 | -53.4 | 23.9 | 0.7 | 30063 | -13.2 | 17.4 | 0.7 | 19532 | -35.0 | 12.2 | 0.5 | 24118 | 23.5 | 16.3 | 0.6 |
| **Ecuador** | 4857 | - | 3.3 | 0.1 | 2754 | -43.3 | 1.9 | 0.1 | 3160 | 14.7 | 1.8 | 0.1 | 5692 | 80.1 | 3.6 | 0.1 | 7499 | 31.7 | 5.1 | 0.2 |
| **Colombia** | 3531 | - | 2.4 | 0.1 | 10417 | 195.0 | 7.2 | 0.2 | 10312 | -1.0 | 6.0 | 0.2 | 8340 | -19.1 | 5.2 | 0.2 | 7146 | -14.3 | 4.8 | 0.2 |
| ***Brazil*** | *11240* | - | *7.6* | *0.3* | *6678* | *-40.6* | *4.6* | *0.1* | *10456* | *56.6* | *6.0* | *0.2* | *12766* | *22.1* | *8.0* | *0.3* | *4051* | *-68.3* | *2.7* | *0.1* |
| ***India*** | *334* | - | *0.2* | *0.0* | *118* | *-64.7* | *0.1* | *0.0* | *221* | *87.3* | *0.1* | *0.0* | *417* | *88.7* | *0.3* | *0.0* | *111* | *-73.4* | *0.1* | *0.0* |
| **Total Producers** | 148674 | - | 91.8 | 3.4 | 144688 | -2.7 | 94.6 | 3.1 | 173198 | 19.7 | 93.4 | 4.0 | 159978 | -7.6 | 90.7 | 4.0 | 148090 | -7.4 | 95.4 | 3.6 |
| **World** | 4413955 | - | - | - | 4619557 | 4.7 | - | - | 4280037 | -7.3 | - | - | 3955585 | -7.6 | - | - | 4076259 | 3.1 | - | - |

# Table 1-3. Production and Trade of Reconstituted Panels, Wood Pulp and Paper by Major ITTO Producers, 1998-2002

**FIBREBOARD - PRODUCTION**

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Vol. ($m^3$) | %Chng | %Prod | World | Vol. ($m^3$) | %Chng | %Prod | %World | Vol. ($m^3$) | %Chng | %Prod | %World | Vol. ($m^3$) | %Chng | %Prod | %World | Vol. ($m^3$) | %Chng | %Prod | %World |
| **Malaysia** | 1000000 | - | 36.6 | 3.5 | 1107000 I | 10.7 | 35.5 | 3.5 | 1282000 I | 15.8 | 35.8 | 3.6 | 2424000 I | 89.1 | 50.2 | 6.6 | 2424000 I | 0.0 | 47.1 | 5.9 |
| **Brazil** | 998000 I | - | 36.5 | 3.5 | 954000 | -4.4 | 30.6 | 3.0 | 1001000 | 4.9 | 28.0 | 2.8 | 1001000 | 0.0 | 20.7 | 2.7 | 1001000 | 0.0 | 19.5 | 2.4 |
| **Thailand** | 265000 I | - | 9.7 | 0.9 | 338000 I | 27.5 | 10.8 | 1.1 | 531000 I | 57.1 | 14.8 | 1.5 | 602000 I | 13.4 | 12.5 | 1.6 | 724000 I | 20.3 | 14.1 | 1.8 |
| **Indonesia** | 260000 I | - | 9.5 | 0.9 | 507000 I | 95.0 | 16.2 | 1.6 | 527000 I | 3.9 | 14.7 | 1.5 | 557000 I | 5.7 | 11.5 | 1.5 | 557000 I | 0.0 | 10.8 | 1.4 |
| **Venezuela** | 8800 | - | 0.3 | 0.0 | 8900 | 1.1 | 0.3 | 0.0 | 12000 | 34.8 | 0.3 | 0.0 | 12000 | 0.0 | 0.2 | 0.0 | 178000 | 1383.3 | 3.5 | 0.4 |
| ***Guatemala*** | *5000* I | - | *0.0* | *0.0* | *5000* I | *0.0* | *0.0* | *0.0* | *10000* I | *100.0* | *0.0* | *0.0* | *10000* I | *0.0* | *0.0* | *0.0* | *40000* I | *300.0* | *0.1* | *0.1* |
| **Total Producers** | 2732800 I | - | 92.6 | 9.6 | 3122400 I | 14.3 | 93.4 | 9.9 | 3580100 I | 14.7 | 93.7 | 10.2 | 4829200 I | 34.9 | 95.2 | 13.2 | 5146500 I | 6.6 | 94.9 | 12.5 |
| **World** | 28401539 I | - | - | - | 31619282 I | 11.3 | - | - | 35219698 I | 11.4 | - | - | 36511577 I | 3.7 | - | - | 41181323 I | 12.8 | - | - |

**FIBREBOARD - IMPORTS** BY VOLUME

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Vol. ($m^3$) | %Chng | %Prod | %World | Vol. ($m^3$) | %Chng | %Prod | %World | Vol. ($m^3$) | %Chng | %Prod | %World | Vol. ($m^3$) | %Chng | %Prod | %World | Vol. ($m^3$) | %Chng | %Prod | %World |
| **Philippines** | 83000 | - | 25.8 | 0.8 | 105000 | 26.5 | 25.8 | 0.8 | 108000 | 2.9 | 24.8 | 0.7 | 88900 | -17.7 | 19.9 | 0.6 | 100000 | 12.5 | 17.4 | 0.5 |
| **Indonesia** | 12900 | - | 4.0 | 0.1 | 12300 | -4.7 | 3.0 | 0.1 | 28400 | 130.9 | 6.5 | 0.2 | 37400 | 31.7 | 8.4 | 0.2 | 96200 | 157.2 | 16.7 | 0.5 |
| **Nigeria** | 9836 | - | 3.1 | 0.1 | 86300 | 777.4 | 21.2 | 0.7 | 47400 | -45.1 | 10.9 | 0.3 | 72300 | 52.5 | 16.2 | 0.5 | 72300 | 0.0 | 12.6 | 0.4 |
| **Malaysia** | 22600 | - | 7.0 | 0.2 | 17400 | -23.0 | 4.3 | 0.1 | 29900 | 71.8 | 6.9 | 0.2 | 30600 | 2.3 | 6.8 | 0.2 | 67000 | 119.0 | 11.6 | 0.4 |
| **Brazil** | 89400 | - | 27.8 | 0.9 | 59000 | -34.0 | 14.5 | 0.5 | 64000 | 8.5 | 14.7 | 0.4 | 41300 | -35.5 | 9.2 | 0.3 | 62700 | 51.8 | 10.9 | 0.3 |
| ***Colombia*** | *12100* | - | *3.8* | *0.1* | *23100* | *90.9* | *5.7* | *0.2* | *26600* | *15.2* | *6.1* | *0.2* | *20000* | *-24.8* | *4.5* | *0.1* | *27600* | *38.0* | *4.8* | *0.1* |
| **Total Producers** | 321907 | - | 67.6 | 3.2 | 407530 | 26.6 | 68.7 | 3.3 | 436030 | 7.0 | 63.7 | 2.7 | 446860 | 2.5 | 60.5 | 2.9 | 576071 | 28.9 | 69.1 | 3.1 |
| **World** | 10163590 | - | - | - | 12371833 | 21.7 | - | - | 15949926 | 28.9 | - | - | 15538716 | -2.6 | - | - | 18431157 | 18.6 | - | - |

BY VALUE

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World |
| **Brazil** | 34058 | - | 35.4 | 1.3 | 14482 | -57.5 | 15.4 | 0.5 | 16870 | 16.5 | 18.3 | 0.5 | 13886 | -17.7 | 14.2 | 0.4 | 17679 | 27.3 | 15.6 | 0.4 |
| **Philippines** | 14634 | - | 15.2 | 0.6 | 20032 | 36.9 | 21.3 | 0.7 | 16219 | -19.0 | 17.6 | 0.5 | 13125 | -19.1 | 13.4 | 0.4 | 17190 | 31.0 | 15.2 | 0.4 |
| **Indonesia** | 5486 | - | 5.7 | 0.2 | 2911 | -46.9 | 3.1 | 0.1 | 4870 | 67.3 | 5.3 | 0.2 | 6805 | 39.7 | 7.0 | 0.2 | 12966 | 90.5 | 11.5 | 0.3 |
| **Colombia** | 3932 | - | 4.1 | 0.1 | 6373 | 62.1 | 6.8 | 0.2 | 7342 | 15.2 | 8.0 | 0.2 | 8198 | 11.7 | 8.4 | 0.2 | 11195 | 36.6 | 9.9 | 0.3 |
| **Nigeria** | 2329 | - | 2.4 | 0.0 | 10831 | 365.0 | 11.5 | 0.1 | 7659 | -29.3 | 8.3 | 0.0 | 10766 | 40.6 | 11.0 | 0.1 | 10766 | 0.0 | 9.5 | 0.1 |
| ***Malaysia*** | *8799* | - | *9.1* | *0.1* | *9046* | *2.8* | *9.6* | *0.1* | *6968* | *-23.0* | *7.6* | *0.0* | *7415* | *6.4* | *7.6* | *0.0* | *9468* | *27.7* | *8.4* | *0.1* |
| **Total Producers** | 96185 | - | 62.8 | 3.7 | 93845 | -2.4 | 58.2 | 3.5 | 92056 | -1.9 | 57.5 | 2.8 | 97790 | 6.2 | 54.0 | 2.8 | 113135 | 15.7 | 61.7 | 2.7 |
| **World** | 2628278 | - | - | - | 2678302 | 1.9 | - | - | 3234447 | 20.8 | - | - | 3452749 | 6.7 | - | - | 4211881 | 22.0 | - | - |

**FIBREBOARD - EXPORTS** BY VOLUME

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Vol. ($m^3$) | %Chng | %Prod | %World | Vol. ($m^3$) | %Chng | %Prod | %World | Vol. ($m^3$) | %Chng | %Prod | %World | Vol. ($m^3$) | %Chng | %Prod | %World | Vol. ($m^3$) | %Chng | %Prod | %World |
| **Malaysia** | 730000 | - | 56.1 | 7.7 | 872000 | 19.5 | 52.5 | 8.2 | 926597 * | 6.3 | 50.2 | 7.1 | 1064800 | 14.9 | 50.8 | 7.6 | 1057000 | -0.7 | 45.9 | 6.5 |
| **Thailand** | 194000 | - | 14.9 | 2.1 | 281000 | 44.8 | 16.9 | 2.6 | 433000 | 54.1 | 23.5 | 3.3 | 516000 | 19.2 | 24.6 | 3.7 | 596200 | 15.5 | 25.9 | 3.6 |
| **Indonesia** | 113500 | - | 8.7 | 1.2 | 267800 | 135.9 | 16.1 | 2.5 | 277300 | 3.5 | 15.0 | 2.1 | 285000 | 2.8 | 13.6 | 2.0 | 301800 | 5.9 | 13.1 | 1.8 |
| **Brazil** | 262000 | - | 20.1 | 2.8 | 235000 | -10.3 | 14.2 | 2.2 | 198000 | -15.7 | 10.7 | 1.5 | 214000 | 8.1 | 10.2 | 1.5 | 272400 | 27.3 | 11.8 | 1.7 |
| **Guatemala** | 0 | - | 0.0 | 0.0 | 0 | - | 0.0 | 0.0 | 1900 | - | 0.1 | 0.0 | 1900 | 0.0 | 0.1 | 0.0 | 35452 | 1765.9 | 1.5 | 0.2 |
| ***Venezuela*** | *400* | - | *0.1* | *0.0* | *1400* | *250.0* | *0.3* | *0.0* | *400* | *-71.4* | *0.1* | *0.0* | *500* | *25.0* | *0.1* | *0.0* | *31700* | *6240.0* | *5.5* | *0.2* |
| **Total Producers** | 1301803 | - | 99.8 | 13.8 | 1660300 | 27.5 | 99.7 | 15.5 | 1844897 I | 11.1 | 99.6 | 14.1 | 2095500 | 13.6 | 99.3 | 15.0 | 2304670 | 10.0 | 98.2 | 14.1 |
| **World** | 9461631 | - | - | - | 10694038 | 13.0 | - | - | 13128231 I | 22.8 | - | - | 13988420 | 6.6 | - | - | 16377675 | 17.1 | - | - |

BY VALUE

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World |
| **Malaysia** | 150669 | - | 54.9 | 5.4 | 192188 | 27.6 | 53.1 | 6.4 | 216590 * | 12.7 | 57.7 | 6.6 | 229803 | 6.1 | 57.3 | 6.4 | 228117 | -0.7 | 52.1 | 5.3 |
| **Thailand** | 36974 | - | 13.5 | 1.3 | 62182 | 68.2 | 17.2 | 2.1 | 58325 | -6.2 | 15.6 | 1.8 | 65932 | 13.0 | 16.4 | 1.8 | 89386 | 35.6 | 20.4 | 2.1 |
| **Brazil** | 67827 | - | 24.7 | 2.4 | 69901 | 3.1 | 19.3 | 2.3 | 58290 | -16.6 | 15.5 | 1.8 | 59242 | 1.6 | 14.8 | 1.7 | 62653 | 5.8 | 14.3 | 1.5 |
| **Indonesia** | 18210 | - | 6.6 | 0.7 | 36532 | 100.6 | 10.1 | 1.2 | 39388 | 7.8 | 10.5 | 1.2 | 42242 | 7.2 | 10.5 | 1.2 | 44141 | 4.5 | 10.1 | 1.0 |
| **Venezuela** | 46 | - | 0.0 | 0.0 | 404 | 778.3 | 0.1 | 0.0 | 96 | -76.2 | 0.0 | 0.0 | 100 | 4.2 | 0.0 | 0.0 | 7062 | 6962.0 | 1.6 | 0.2 |
| ***Guatemala*** | *0* | - | *0.0* | *0.0* | *0* | - | *0.0* | *0.0* | *385* | - | *0.1* | *0.0* | *385* | *0.0* | *0.1* | *0.0* | *3824* | *893.2* | *0.7* | *0.0* |
| **Total Producers** | 274212 | - | 99.8 | 9.8 | 362030 | 32.0 | 99.8 | 12.1 | 375068 I | 3.6 | 99.4 | 11.3 | 401277 | 7.0 | 99.0 | 11.3 | 437851 | 9.1 | 98.5 | 10.2 |
| **World** | 2799855 | - | - | - | 2982458 | 6.5 | - | - | 3304820 I | 10.8 | - | - | 3565233 | 7.9 | - | - | 4288069 | 20.3 | - | - |

# Table 1-3. Production and Trade of Reconstituted Panels, Wood Pulp and Paper by Major ITTO Producers, 1998-2002

**FIBREBOARD, OF WHICH: HARDBOARD - PRODUCTION**

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Vol. ($m^3$) | %Chng | %Prod | World | Vol. ($m^3$) | %Chng | %Prod | %World | Vol. ($m^3$) | %Chng | %Prod | %World | Vol. ($m^3$) | %Chng | %Prod | %World | Vol. ($m^3$) | %Chng | %Prod | %World |
| **Brazil** | 637000 | - | 69.8 | 8.4 | 536000 | -15.9 | 58.6 | 6.4 | 559000 | 4.3 | 57.4 | 5.9 | 559000 | 0.0 | 54.6 | 6.0 | 559000 | 0.0 | 52.5 | 5.3 |
| **Indonesia** | 20000 | - | 2.2 | 0.3 | 100000 I | 400.0 | 10.9 | 1.2 | 120000 I | 20.0 | 12.3 | 1.3 | 150000 I | 25.0 | 14.7 | 1.6 | 150000 I | 0.0 | 14.1 | 1.4 |
| **Thailand** | 115000 I | - | 12.6 | 1.5 | 113000 I | -1.7 | 12.4 | 1.3 | 113000 I | 0.0 | 11.6 | 1.2 | 135000 I | 19.5 | 13.2 | 1.5 | 92000 | -31.9 | 8.6 | 0.9 |
| **Venezuela** | 8800 | - | 1.0 | 0.1 | 8900 | 1.1 | 1.0 | 0.1 | 12000 | 34.8 | 1.2 | 0.1 | 11000 | -8.3 | 1.1 | 0.1 | 90000 | 718.2 | 8.5 | 0.9 |
| **India** | 48000 | - | 5.3 | 0.6 | 86000 | 79.2 | 9.4 | 1.0 | 83000 | -3.5 | 8.5 | 0.9 | 83000 | 0.0 | 8.1 | 0.9 | 83000 | 0.0 | 7.8 | 0.8 |
| ***Guatemala*** | *5000 I* | - | *0.5* | *0.1* | *5000 I* | *0.0* | *0.5* | *0.1* | *10000 I* | *100.0* | *1.0* | *0.1* | *10000 I* | *0.0* | *1.0* | *0.1* | *10000 I* | *0.0* | *0.9* | *0.1* |
| **Total Producers** | 912800 I | - | 90.8 | 12.0 | 914900 I | 0.2 | 92.2 | 10.9 | 974000 I | 6.5 | 91.1 | 10.3 | 1023000 I | 5.0 | 91.7 | 11.0 | 1064000 I | 4.0 | 91.5 | 10.1 |
| **World** | 7595724 I | - | - | - | 8389382 I | 10.4 | - | - | 9485112 I | 13.1 | - | - | 9283077 I | -2.1 | - | - | 10535243 I | 13.5 | - | - |

**FIBREBOARD, OF WHICH: HARDBOARD - IMPORTS**

BY VOLUME

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Vol. ($m^3$) | %Chng | %Prod | %World | Vol. ($m^3$) | %Chng | %Prod | %World | Vol. ($m^3$) | %Chng | %Prod | %World | Vol. ($m^3$) | %Chng | %Prod | %World | Vol. ($m^3$) | %Chng | %Prod | %World |
| **Nigeria** | 5662 | - | 8.5 | 0.2 | 9000 | 59.0 | 9.9 | 0.3 | 28000 | 211.1 | 33.6 | 0.8 | 36200 | 29.3 | 36.4 | 1.0 | 36200 | 0.0 | 28.3 | 0.9 |
| **Brazil** | 6800 | - | 10.2 | 0.3 | 3000 | -55.9 | 3.3 | 0.1 | 0 | -100.0 | 0.0 | 0.0 | 0 | - | 0.0 | 0.0 | 21600 | - | 16.9 | 0.5 |
| **Trin. & Tobago** | 800 | - | 1.2 | 0.0 | 2000 | 150.0 | 2.2 | 0.1 | 1000 | -50.0 | 1.2 | 0.0 | 2000 | 100.0 | 2.0 | 0.1 | 17000 | 750.0 | 13.3 | 0.4 |
| **Peru** | 0 | - | 0.0 | 0.0 | 9000 | - | 9.9 | 0.3 | 10000 | 11.1 | 12.0 | 0.3 | 11000 | 10.0 | 11.0 | 0.3 | 13000 | 18.2 | 10.2 | 0.3 |
| **Indonesia** | 7000 | - | 10.5 | 0.3 | 4900 | -30.0 | 5.4 | 0.2 | 7200 | 46.9 | 8.6 | 0.2 | 6200 | -13.9 | 6.2 | 0.2 | 9000 | 45.2 | 7.0 | 0.2 |
| ***Honduras*** | *1200* | - | *1.8* | *0.0* | *2600* | *116.7* | *2.9* | *0.1* | *6400* | *146.2* | *7.7* | *0.2* | *4000* | *-37.5* | *4.0* | *0.1* | *7000* | *75.0* | *5.5* | *0.2* |
| **Total Producers** | 66510 | - | 30.5 | 2.5 | 90500 | 36.1 | 30.8 | 3.3 | 83400 | -7.8 | 55.4 | 2.4 | 99550 | 19.4 | 55.7 | 2.7 | 128034 | 28.6 | 75.6 | 3.1 |
| **World** | 2631527 | - | - | - | 2767041 | 5.1 | - | - | 3492716 | 26.2 | - | - | 3702197 | 6.0 | - | - | 4068687 | 9.9 | - | - |

BY VALUE

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World |
| **Nigeria** | 1909 | - | 10.0 | 0.2 | 3618 | 89.5 | 14.7 | 0.4 | 6420 | 77.4 | 26.6 | 0.5 | 8545 | 33.1 | 29.5 | 0.6 | 8545 | 0.0 | 26.7 | 0.5 |
| **Brazil** | 2000 | - | 10.5 | 0.2 | 1000 | -50.0 | 4.1 | 0.1 | 0 | -100.0 | 0.0 | 0.0 | 0 | - | 0.0 | 0.0 | 3895 | - | 12.2 | 0.2 |
| **Peru** | 0 | - | 0.0 | 0.0 | 2524 | - | 10.3 | 0.3 | 3070 | 21.6 | 12.7 | 0.2 | 3261 | 6.2 | 11.3 | 0.2 | 3627 | 11.2 | 11.3 | 0.2 |
| **Indonesia** | 3267 | - | 17.2 | 0.3 | 1567 | -52.0 | 6.4 | 0.2 | 2381 | 51.9 | 9.9 | 0.2 | 2085 | -12.4 | 7.2 | 0.1 | 2867 | 37.5 | 9.0 | 0.2 |
| **Honduras** | 546 | - | 2.9 | 0.1 | 930 | 70.3 | 3.8 | 0.1 | 2066 | 122.2 | 8.6 | 0.2 | 1218 | -41.0 | 4.2 | 0.1 | 2154 | 76.8 | 6.7 | 0.1 |
| ***Trin. & Tobago*** | *322* | - | *1.7* | *0.0* | *787* | *144.4* | *3.2* | *0.1* | *461* | *-41.4* | *1.9* | *0.0* | *1144* | *148.2* | *4.0* | *0.1* | *1154* | *0.9* | *3.6* | *0.1* |
| **Total Producers** | 19014 | - | 40.6 | 1.8 | 24586 | 29.3 | 39.2 | 2.4 | 24155 | -1.8 | 57.7 | 1.9 | 28954 | 19.9 | 52.2 | 1.9 | 32019 | 10.6 | 65.9 | 1.7 |
| **World** | 1038736 | - | - | - | 1005814 | -3.2 | - | - | 1256940 | 25.0 | - | - | 1496674 | 19.1 | - | - | 1887140 | 26.1 | - | - |

**FIBREBOARD, OF WHICH: HARDBOARD - EXPORTS**

BY VOLUME

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Vol. ($m^3$) | %Chng | %Prod | %World | Vol. ($m^3$) | %Chng | %Prod | %World | Vol. ($m^3$) | %Chng | %Prod | %World | Vol. ($m^3$) | %Chng | %Prod | %World | Vol. ($m^3$) | %Chng | %Prod | %World |
| **Brazil** | 232000 | - | 68.7 | 8.5 | 219000 | -5.6 | 54.0 | 7.2 | 195000 | -11.0 | 50.0 | 7.0 | 211000 | 8.2 | 46.2 | 6.8 | 200000 | -5.2 | 48.2 | 6.4 |
| **Indonesia** | 9000 | - | 2.7 | 0.3 | 90100 | 901.1 | 22.2 | 3.0 | 105200 | 16.8 | 27.0 | 3.8 | 132000 | 25.5 | 28.9 | 4.3 | 107800 | -18.3 | 26.0 | 3.4 |
| **Thailand** | 95000 | - | 28.1 | 3.5 | 93000 | -2.1 | 22.9 | 3.0 | 82000 | -11.8 | 21.0 | 2.9 | 105000 | 28.0 | 23.0 | 3.4 | 77000 | -26.7 | 18.6 | 2.4 |
| **Venezuela** | 400 | - | 0.1 | 0.0 | 1400 | 250.0 | 0.3 | 0.0 | 400 | -71.4 | 0.1 | 0.0 | 500 | 25.0 | 0.1 | 0.0 | 16700 | 3240.0 | 4.0 | 0.5 |
| **Guatemala** | 0 | - | 0.0 | 0.0 | 0 | - | 0.0 | 0.0 | 1900 | - | 0.5 | 0.1 | 1900 | 0.0 | 0.4 | 0.1 | 7000 | 268.4 | 1.7 | 0.2 |
| **Total Producers** | 337600 | - | 99.6 | 12.4 | 405300 | 20.1 | 99.6 | 13.3 | 390100 | -3.8 | 98.6 | 13.9 | 456800 | 17.1 | 98.6 | 14.7 | 414809 | -9.2 | 98.5 | 13.2 |
| **World** | 2730383 | - | - | - | 3053348 | 11.8 | - | - | 2800811 | -8.3 | - | - | 3098231 | 10.6 | - | - | 3147861 | 1.6 | - | - |

BY VALUE

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World |
| **Brazil** | 64827 | - | 74.0 | 5.7 | 66348 | 2.3 | 60.8 | 5.4 | 57630 | -13.1 | 57.1 | 6.3 | 58582 | 1.7 | 53.2 | 5.3 | 51258 | -12.5 | 48.6 | 4.0 |
| **Thailand** | 19378 | - | 22.1 | 1.7 | 24002 | 23.9 | 22.0 | 2.0 | 19270 | -19.7 | 19.1 | 2.1 | 22353 | 16.0 | 20.3 | 2.0 | 24439 | 9.3 | 23.2 | 1.9 |
| **Indonesia** | 3128 | - | 3.6 | 0.3 | 18082 | 478.1 | 16.6 | 1.5 | 22543 | 24.7 | 22.4 | 2.5 | 27140 | 20.4 | 24.7 | 2.5 | 23113 | -14.8 | 21.9 | 1.8 |
| **Venezuela** | 46 | - | 0.1 | 0.0 | 404 | 778.3 | 0.4 | 0.0 | 96 | -76.2 | 0.1 | 0.0 | 100 | 4.2 | 0.1 | 0.0 | 3393 | 3293.0 | 3.2 | 0.3 |
| **Guatemala** | 0 | - | 0.0 | 0.0 | 0 | - | 0.0 | 0.0 | 385 | - | 0.4 | 0.0 | 385 | 0.0 | 0.3 | 0.0 | 1865 | 384.4 | 1.8 | 0.1 |
| **Total Producers** | 87654 | - | 99.7 | 7.7 | 109187 | 24.6 | 99.7 | 8.9 | 100859 | -7.6 | 99.1 | 11.1 | 110040 | 9.1 | 98.7 | 10.0 | 105533 | -4.1 | 98.6 | 8.3 |
| **World** | 1145135 | - | - | - | 1222681 | 6.8 | - | - | 909652 | -25.6 | - | - | 1098525 | 20.8 | - | - | 1272201 | 15.8 | - | - |

# Table 1-3. Production and Trade of Reconstituted Panels, Wood Pulp and Paper by Major ITTO Producers, 1998-2002

**FIBREBOARD, OF WHICH: MDF - PRODUCTION**

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Vol. ($m^3$) | %Chng | %Prod | World | Vol. ($m^3$) | %Chng | %Prod | %World | Vol. ($m^3$) | %Chng | %Prod | %World | Vol. ($m^3$) | %Chng | %Prod | %World | Vol. ($m^3$) | %Chng | %Prod | %World |
| **Malaysia** | 1000000 | - | 61.5 | 6.6 | 1107000 [I] | 10.7 | 57.2 | 6.3 | 1282000 [I] | 15.8 | 54.7 | 6.4 | 1388000 [I] | 8.3 | 55.6 | 6.5 | 1388000 [I] | 0.0 | 53.8 | 5.7 |
| **Thailand** | 120000 [I] | - | 7.4 | 0.8 | 195000 [I] | 62.5 | 10.1 | 1.1 | 398000 [I] | 104.1 | 17.0 | 2.0 | 442000 [I] | 11.1 | 17.7 | 2.1 | 442000 [I] | 0.0 | 17.1 | 1.8 |
| **Brazil** | 300000 [I] | - | 18.5 | 2.0 | 357000 | 19.0 | 18.5 | 2.0 | 381000 | 6.7 | 16.3 | 1.9 | 381000 | 0.0 | 15.3 | 1.8 | 381000 | 0.0 | 14.8 | 1.6 |
| **Indonesia** | 140000 [I] | - | 8.6 | 0.9 | 229000 | 63.6 | 11.8 | 1.3 | 229000 | 0.0 | 9.8 | 1.1 | 229000 | 0.0 | 9.2 | 1.1 | 229000 | 0.0 | 8.9 | 0.9 |
| **Venezuela** | 0 | - | 0.0 | 0.0 | 0 | - | 0.0 | 0.0 | 0 | - | 0.0 | 0.0 | 0 | - | 0.0 | 0.0 | 87000 | - | 3.4 | 0.4 |
| **Total Producers** | 1625000 [I] | - | 96.0 | 10.7 | 1934000 [I] | 19.0 | 97.6 | 10.9 | 2343000 [I] | 21.1 | 97.7 | 11.7 | 2495000 [I] | 6.5 | 97.8 | 11.7 | 2581000 [I] | 3.4 | 97.9 | 10.6 |
| **World** | 15162915 [I] | - | - | - | 17702500 [I] | 16.7 | - | - | 19982493 [I] | 12.9 | - | - | 21335990 [I] | 6.8 | - | - | 24459690 [I] | 14.6 | - | - |

**FIBREBOARD, OF WHICH: MDF - IMPORTS** BY VOLUME

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Vol. ($m^3$) | %Chng | %Prod | %World | Vol. ($m^3$) | %Chng | %Prod | %World | Vol. ($m^3$) | %Chng | %Prod | %World | Vol. ($m^3$) | %Chng | %Prod | %World | Vol. ($m^3$) | %Chng | %Prod | %World |
| **Philippines** | 22000 | - | 13.8 | 1.7 | 35000 | 59.1 | 15.9 | 2.6 | 94400 | 169.7 | 35.0 | 5.9 | 79700 | -15.6 | 32.1 | 5.0 | 89800 | 12.7 | 27.2 | 4.6 |
| **Indonesia** | 4500 | - | 2.8 | 0.4 | 4900 | 8.9 | 2.2 | 0.4 | 6200 | 26.5 | 2.3 | 0.4 | 18500 | 198.4 | 7.5 | 1.2 | 64700 | 249.7 | 19.6 | 3.3 |
| **Malaysia** | 10600 | - | 6.7 | 0.8 | 11400 | 7.5 | 5.2 | 0.9 | 17600 | 54.4 | 6.5 | 1.1 | 17600 | 0.0 | 7.1 | 1.1 | 54000 | 206.8 | 16.3 | 2.8 |
| **Brazil** | 73600 | - | 46.2 | 5.8 | 51000 | -30.7 | 23.1 | 3.9 | 63000 | 23.5 | 23.3 | 3.9 | 40300 | -36.0 | 16.3 | 2.5 | 40300 | 0.0 | 12.2 | 2.1 |
| **Colombia** | 9400 | - | 5.9 | 0.7 | 17100 | 81.9 | 7.8 | 1.3 | 21100 | 23.4 | 7.8 | 1.3 | 14700 | -30.3 | 5.9 | 0.9 | 22400 | 52.4 | 6.8 | 1.2 |
| **Total Producers** | 159330 | - | 75.4 | 12.6 | 220444 | 38.4 | 54.2 | 16.7 | 269844 | 22.4 | - | 16.8 | 247907 | -8.1 | 68.9 | 15.5 | 330634 | 33.4 | 82.0 | 17.1 |
| **World** | 5076107 | - | - | - | 5943715 | 17.1 | - | - | 9346158 | 57.2 | - | - | 8798822 | -5.9 | - | - | 11303762 | 28.5 | - | - |

BY VALUE

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World |
| **Philippines** | 8000 | - | 5.0 | 0.6 | 12563 | 57.0 | 21.4 | 1.0 | 14241 | 13.4 | 25.6 | 0.9 | 11713 | -17.8 | 21.1 | 0.7 | 15803 | 34.9 | 23.6 | 0.8 |
| **Brazil** | 30158 | - | 18.9 | 2.4 | 12444 | -58.7 | 21.2 | 0.9 | 16567 | 33.1 | 29.8 | 1.0 | 13583 | -18.0 | 24.5 | 0.9 | 13583 | 0.0 | 20.3 | 0.7 |
| **Colombia** | 2972 | - | 1.9 | 0.2 | 4634 | 55.9 | 7.9 | 0.4 | 5777 | 24.7 | 10.4 | 0.4 | 6159 | 6.6 | 11.1 | 0.4 | 9000 | 46.1 | 13.5 | 0.5 |
| **Indonesia** | 1929 | - | 1.2 | 0.2 | 1020 | -47.1 | 1.7 | 0.1 | 1262 | 23.7 | 2.3 | 0.1 | 3339 | 164.6 | 6.0 | 0.2 | 7996 | 139.5 | 12.0 | 0.4 |
| **Malaysia** | 6392 | - | 4.0 | 0.5 | 8868 | 38.7 | 15.1 | 0.7 | 3864 | -56.4 | 6.9 | 0.2 | 3864 | 0.0 | 7.0 | 0.2 | 5917 | 53.1 | 8.8 | 0.3 |
| **Total Producers** | 61145 | - | 80.9 | 4.8 | 58752 | -3.9 | 67.3 | 4.4 | 55668 | -5.2 | 74.9 | 3.5 | 55463 | -0.4 | 69.7 | 3.5 | 66874 | 20.6 | 78.2 | 3.5 |
| **World** | 1260825 | - | - | - | 1321273 | 4.8 | - | - | 1609941 | 21.8 | - | - | 1596167 | -0.9 | - | - | 1935555 | 21.3 | - | - |

**FIBREBOARD, OF WHICH: MDF - EXPORTS** BY VOLUME

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Vol. ($m^3$) | %Chng | %Prod | %World | Vol. ($m^3$) | %Chng | %Prod | %World | Vol. ($m^3$) | %Chng | %Prod | %World | Vol. ($m^3$) | %Chng | %Prod | %World | Vol. ($m^3$) | %Chng | %Prod | %World |
| **Malaysia** | 730000 | - | 82.1 | 13.2 | 872000 | 19.5 | 71.8 | 13.4 | 926597 [*] | 6.3 | 64.8 | 10.7 | 1064800 | 14.9 | 66.3 | 11.8 | 1057000 | -0.7 | 65.0 | 9.6 |
| **Thailand** | 89000 | - | 10.0 | 1.6 | 165000 | 85.4 | 13.6 | 2.5 | 340000 | 106.1 | 23.8 | 3.9 | 389000 | 14.4 | 24.2 | 4.3 | 330600 | -15.0 | 20.3 | 3.0 |
| **Indonesia** | 70500 | - | 7.9 | 1.3 | 160400 | 127.5 | 13.2 | 2.5 | 158000 | -1.5 | 11.1 | 1.8 | 148000 | -6.3 | 9.2 | 1.6 | 191200 | 29.2 | 11.8 | 1.7 |
| **Brazil** | 0 | - | 0.0 | 0.0 | 16000 | - | 1.3 | 0.2 | 3000 | -81.3 | 0.2 | 0.0 | 3000 | 0.0 | 0.2 | 0.0 | 32000 | 966.7 | 2.0 | 0.3 |
| **Venezuela** | 0 | - | 0.0 | 0.0 | 0 | - | 0.0 | 0.0 | 0 | - | 0.0 | 0.0 | 0 | - | 0.0 | 0.0 | 15000 | - | 0.9 | 0.1 |
| **Total Producers** | 889600 | - | 100.0 | 16.1 | 1213700 | 36.4 | 100.0 | 18.7 | 1429197 [I] | 17.8 | 99.9 | 16.5 | 1605900 | 12.4 | 99.9 | 17.9 | 1626509 | 1.3 | 100.0 | 14.8 |
| **World** | 5523358 | - | - | - | 6484021 | 17.4 | - | - | 8648616 [I] | 33.4 | - | - | 8991662 | 4.0 | - | - | 10957444 | 21.9 | - | - |

BY VALUE

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World |
| **Malaysia** | 150669 | - | 83.7 | 11.0 | 192188 | 27.6 | 76.7 | 12.5 | 216590 [*] | 12.7 | 79.4 | 10.3 | 229803 | 6.1 | 79.7 | 10.6 | 228117 | -0.7 | 73.6 | 8.6 |
| **Thailand** | 16915 | - | 9.4 | 1.2 | 37395 | 121.1 | 14.9 | 2.4 | 38262 | 2.3 | 14.0 | 1.8 | 42561 | 11.2 | 14.8 | 2.0 | 50241 | 18.0 | 16.2 | 1.9 |
| **Indonesia** | 12304 | - | 6.8 | 0.9 | 17158 | 39.5 | 6.8 | 1.1 | 16272 | -5.2 | 6.0 | 0.8 | 14488 | -11.0 | 5.0 | 0.7 | 20440 | 41.1 | 6.6 | 0.8 |
| **Brazil** | 0 | - | 0.0 | 0.0 | 3553 | - | 1.4 | 0.2 | 660 | -81.4 | 0.2 | 0.0 | 660 | 0.0 | 0.2 | 0.0 | 7031 | 965.3 | 2.3 | 0.3 |
| **Venezuela** | 0 | - | 0.0 | 0.0 | 0 | - | 0.0 | 0.0 | 0 | - | 0.0 | 0.0 | 0 | - | 0.0 | 0.0 | 3669 | - | 1.2 | 0.1 |
| **Total Producers** | 179986 | - | 99.9 | 13.2 | 250589 | 39.2 | 99.9 | 16.3 | 272794 [I] | 8.9 | 99.6 | 12.9 | 288496 | 5.8 | 99.7 | 13.3 | 310104 | 7.5 | 99.8 | 11.7 |
| **World** | 1366234 | - | - | - | 1536046 | 12.4 | - | - | 2108165 [I] | 37.2 | - | - | 2161564 | 2.5 | - | - | 2657096 | 22.9 | - | - |

# Table 1-3. Production and Trade of Reconstituted Panels, Wood Pulp and Paper by Major ITTO Producers, 1998-2002

**FIBREBOARD, OF WHICH: INSULATING BOARD - PRODUCTION**

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Vol. ($m^3$) | %Chng | %Prod | World | Vol. ($m^3$) | %Chng | %Prod | %World | Vol. ($m^3$) | %Chng | %Prod | %World | Vol. ($m^3$) | %Chng | %Prod | %World | Vol. ($m^3$) | %Chng | %Prod | %World |
| **Malaysia** | 0 | - | 0.0 | 0.0 | 0 | - | 0.0 | 0.0 | 0 | - | 0.0 | 0.0 | 1036000 | - | 79.0 | 17.6 | 1036000 | 0.0 | 69.0 | 16.7 |
| **Thailand** | 30000 | - | 15.4 | 0.5 | 30000 [I] | 0.0 | 11.0 | 0.5 | 20000 [I] | -33.3 | 7.6 | 0.3 | 25000 [I] | 25.0 | 1.9 | 0.4 | 190000 [I] | 660.0 | 12.7 | 3.1 |
| **Indonesia** | 100000 [I] | - | 51.3 | 1.8 | 178000 | 78.0 | 65.1 | 3.2 | 178000 | 0.0 | 67.7 | 3.1 | 178000 | 0.0 | 13.6 | 3.0 | 178000 | 0.0 | 11.9 | 2.9 |
| **Brazil** | 61000 | - | 31.3 | 1.1 | 61000 | 0.0 | 22.3 | 1.1 | 61000 | 0.0 | 23.2 | 1.1 | 61000 | 0.0 | 4.7 | 1.0 | 61000 | 0.0 | 4.1 | 1.0 |
| **Guatemala** | 0 [I] | - | 0.0 | 0.0 | 0 [I] | - | 0.0 | 0.0 | 0 [I] | - | 0.0 | 0.0 | 0 [I] | - | 0.0 | 0.0 | 30000 [I] | - | 2.0 | 0.5 |
| ***India*** | *3000* | - | *1.5* | *0.1* | *3000* | *0.0* | *1.1* | *0.1* | *3000* | *0.0* | *1.1* | *0.1* | *5000* [I] | *66.7* | *0.4* | *0.1* | *3000* | *-40.0* | *0.2* | *0.0* |
| ***Suriname*** | *1000* [I] | - | *0.5* | *0.0* | *1500* [I] | *50.0* | *0.5* | *0.0* | *1100* [I] | *-26.7* | *0.4* | *0.0* | *5200* [I] | *372.7* | *0.4* | *0.1* | *2500* [I] | *-51.9* | *0.2* | *0.0* |
| **Total Producers** | 195000 [I] | - | 97.9 | 3.5 | 273500 [I] | 40.3 | 98.4 | 4.9 | 263100 [I] | -3.8 | 98.4 | 4.6 | 1311200 [I] | 398.4 | 99.1 | 22.3 | 1501500 [I] | 14.5 | 99.6 | 24.3 |
| **World** | 5642900 [I] | - | - | - | 5527400 [I] | -2.0 | - | - | 5752093 [I] | 4.1 | - | - | 5892510 [I] | 2.4 | - | - | 6186390 [I] | 5.0 | - | - |

**FIBREBOARD, OF WHICH: INSULATING BOARD - IMPORTS** BY VOLUME

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Vol. ($m^3$) | %Chng | %Prod | %World | Vol. ($m^3$) | %Chng | %Prod | %World | Vol. ($m^3$) | %Chng | %Prod | %World | Vol. ($m^3$) | %Chng | %Prod | %World | Vol. ($m^3$) | %Chng | %Prod | %World |
| **Nigeria** | 3160 | - | 3.3 | 0.1 | 19300 | 510.8 | 20.0 | 0.7 | 18500 | -4.1 | 22.3 | 0.6 | 34100 | 84.3 | 34.3 | 1.1 | 34100 | 0.0 | 29.0 | 1.1 |
| **Indonesia** | 1400 | - | 1.5 | 0.1 | 2500 | 78.6 | 2.6 | 0.1 | 15000 | 500.0 | 18.1 | 0.5 | 12700 | -15.3 | 12.8 | 0.4 | 22500 | 77.2 | 19.2 | 0.7 |
| **Malaysia** | 12000 | - | 12.5 | 0.5 | 6000 | -50.0 | 6.2 | 0.2 | 12300 | 105.0 | 14.9 | 0.4 | 13000 | 5.7 | 13.1 | 0.4 | 13000 | 0.0 | 11.1 | 0.4 |
| **India** | 5500 | - | 5.7 | 0.2 | 3900 | -29.1 | 4.0 | 0.1 | 7000 | 79.5 | 8.5 | 0.2 | 9600 | 37.1 | 9.7 | 0.3 | 12300 | 28.1 | 10.5 | 0.4 |
| **Thailand** | 11000 | - | 11.5 | 0.4 | 12000 | 9.1 | 12.4 | 0.5 | 11000 | -8.3 | 13.3 | 0.4 | 9000 | -18.2 | 9.1 | 0.3 | 9000 | 0.0 | 7.7 | 0.3 |
| **Total Producers** | 96067 | - | 34.4 | 3.9 | 96586 | 0.5 | 45.2 | 3.6 | 82786 | -14.3 | 77.1 | 2.7 | 99403 | 20.1 | 78.9 | 3.3 | 117403 | 18.1 | 77.4 | 3.8 |
| **World** | 2455956 | - | - | - | 2650077 | 7.9 | - | - | 3111052 | 17.4 | - | - | 3037697 | -2.4 | - | - | 3058708 | 0.7 | - | - |

BY VALUE

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World |
| **Malaysia** | 2407 | - | 15.0 | 0.7 | 178 | -92.6 | 1.7 | 0.1 | 3104 | 1643.8 | 25.4 | 0.8 | 3551 | 14.4 | 26.6 | 1.0 | 3551 | 0.0 | 24.9 | 0.9 |
| **Indonesia** | 290 | - | 1.8 | 0.1 | 324 | 11.7 | 3.1 | 0.1 | 1227 | 278.7 | 10.0 | 0.3 | 1381 | 12.6 | 10.3 | 0.4 | 2103 | 52.3 | 14.8 | 0.5 |
| **Nigeria** | 313 | - | 2.0 | 0.1 | 743 | 137.4 | 7.1 | 0.2 | 1144 | 54.0 | 9.4 | 0.3 | 1975 | 72.6 | 14.8 | 0.5 | 1975 | 0.0 | 13.9 | 0.5 |
| **Thailand** | 1295 | - | 8.1 | 0.4 | 1456 | 12.4 | 13.9 | 0.4 | 1519 | 4.3 | 12.4 | 0.4 | 1251 | -17.6 | 9.4 | 0.3 | 1251 | 0.0 | 8.8 | 0.3 |
| **India** | 656 | - | 4.1 | 0.2 | 356 | -45.7 | 3.4 | 0.1 | 466 | 30.9 | 3.8 | 0.1 | 449 | -3.6 | 3.4 | 0.1 | 878 | 95.5 | 6.2 | 0.2 |
| **Total Producers** | 16026 | - | 31.0 | 4.9 | 10507 | -34.4 | 29.1 | 3.0 | 12233 | 16.4 | 61.0 | 3.3 | 13373 | 9.3 | 64.4 | 3.7 | 14242 | 6.5 | 68.5 | 3.7 |
| **World** | 328717 | - | - | - | 351215 | 6.8 | - | - | 367566 | 4.7 | - | - | 359908 | -2.1 | - | - | 389186 | 8.1 | - | - |

**FIBREBOARD, OF WHICH: INSULATING BOARD - EXPORTS** BY VOLUME

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Vol. ($m^3$) | %Chng | %Prod | %World | Vol. ($m^3$) | %Chng | %Prod | %World | Vol. ($m^3$) | %Chng | %Prod | %World | Vol. ($m^3$) | %Chng | %Prod | %World | Vol. ($m^3$) | %Chng | %Prod | %World |
| **Thailand** | 10000 | - | 13.4 | 0.8 | 23000 | 130.0 | 55.7 | 2.0 | 11000 | -52.2 | 43.0 | 0.7 | 22000 | 100.0 | 67.1 | 1.2 | 188600 | 757.3 | 71.6 | 8.3 |
| **Brazil** | 30000 | - | 40.2 | 2.5 | 0 | -100.0 | 0.0 | 0.0 | 0 | - | 0.0 | 0.0 | 0 | - | 0.0 | 0.0 | 40400 | - | 15.3 | 1.8 |
| **Guatemala** | 0 | - | 0.0 | 0.0 | 0 | - | 0.0 | 0.0 | 0 | - | 0.0 | 0.0 | 0 | - | 0.0 | 0.0 | 28443 | - | 10.8 | 1.3 |
| **Indonesia** | 34000 | - | 45.6 | 2.8 | 17300 | -49.1 | 41.9 | 1.5 | 14100 | -18.5 | 55.1 | 0.8 | 5000 | -64.5 | 15.2 | 0.3 | 2800 | -44.0 | 1.1 | 0.1 |
| **Suriname** | 600 | - | 0.8 | 0.0 | 1000 | 66.7 | 2.4 | 0.1 | 500 | -50.0 | 2.0 | 0.0 | 4800 | 860.0 | 14.6 | 0.3 | 2100 | -56.3 | 0.8 | 0.1 |
| ***India*** | *0* | - | *0.0* | *0.0* | *0* | - | *0.0* | *0.0* | *0* | - | *0.0* | *0.0* | *1000* | - | *3.0* | *0.1* | *1000* | *0.0* | *0.4* | *0.0* |
| **Total Producers** | 74603 | - | 100.0 | 6.2 | 41300 | -44.6 | 100.0 | 3.6 | 25600 | -38.0 | 100.0 | 1.5 | 32800 | 28.1 | 97.0 | 1.7 | 263352 | 702.9 | 99.6 | 11.6 |
| **World** | 1207890 | - | - | - | 1156669 | -4.2 | - | - | 1678804 | 45.1 | - | - | 1898527 | 13.1 | - | - | 2272370 | 19.7 | - | - |

BY VALUE

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World |
| **Thailand** | 681 | - | 10.4 | 0.2 | 785 | 15.3 | 34.8 | 0.4 | 793 | 1.0 | 56.0 | 0.3 | 1018 | 28.4 | 37.1 | 0.3 | 14706 | 1344.6 | 66.2 | 4.1 |
| **Brazil** | 3000 | - | 45.6 | 1.0 | 0 | -100.0 | 0.0 | 0.0 | 0 | - | 0.0 | 0.0 | 0 | - | 0.0 | 0.0 | 4364 | - | 19.6 | 1.2 |
| **Guatemala** | 0 | - | 0.0 | 0.0 | 0 | - | 0.0 | 0.0 | 0 | - | 0.0 | 0.0 | 0 | - | 0.0 | 0.0 | 1958 | - | 8.8 | 0.5 |
| **Indonesia** | 2778 | - | 42.3 | 1.0 | 1292 | -53.5 | 57.3 | 0.6 | 573 | -55.7 | 40.5 | 0.2 | 614 | 7.2 | 22.4 | 0.2 | 588 | -4.2 | 2.6 | 0.2 |
| **Suriname** | 0 | - | 0.0 | 0.0 | 0 | - | 0.0 | 0.0 | 0 | - | 0.0 | 0.0 | 291 | - | 10.6 | 0.1 | 326 | 12.0 | 1.5 | 0.1 |
| ***India*** | *112* | - | *1.7* | *0.0* | *177* | *58.0* | *7.9* | *0.1* | *49* | *-72.3* | *3.5* | *0.0* | *818* | *1569.4* | *29.8* | *0.3* | *270* | *-67.0* | *1.2* | *0.1* |
| **Total Producers** | 6572 | - | 98.3 | 2.3 | 2254 | -65.7 | 92.1 | 1.0 | 1415 | -37.2 | 96.5 | 0.5 | 2741 | 93.7 | 70.2 | 0.9 | 22214 | 710.4 | 98.8 | 6.2 |
| **World** | 288486 | - | - | - | 223731 | -22.4 | - | - | 287003 | 28.3 | - | - | 305144 | 6.3 | - | - | 358772 | 17.6 | - | - |

# Table 1-3. Production and Trade of Reconstituted Panels, Wood Pulp and Paper by Major ITTO Producers, 1998-2002

**WOOD PULP - PRODUCTION**

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Weight (mt) | %Chng | %Prod | World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World |
| **Brazil** | 6774000 | - | 54.1 | 4.2 | 7113000 | 5.0 | 58.4 | 4.3 | 7338000 | 3.2 | 50.3 | 4.3 | 7436000 | 1.3 | 44.3 | 4.5 | 7436000 | 0.0 | 44.9 | 4.4 |
| **Indonesia** | 2867000 I | - | 22.9 | 1.8 | 1774000 I | -38.1 | 14.6 | 1.1 | 3659000 I | 106.3 | 25.1 | 2.1 | 5513000 I | 50.7 | 32.9 | 3.3 | 5511000 I | 0.0 | 33.3 | 3.3 |
| **India** | 1498000 | - | 12.0 | 0.9 | 1558000 | 4.0 | 12.8 | 0.9 | 1590000 | 2.1 | 10.9 | 0.9 | 1590000 | 0.0 | 9.5 | 1.0 | 1590000 | 0.0 | 9.6 | 0.9 |
| **Thailand** | 804000 I | - | 6.4 | 0.5 | 1091000 I | 35.7 | 9.0 | 0.7 | 1119000 I | 2.6 | 7.7 | 0.7 | 1364000 I | 21.9 | 8.1 | 0.8 | 1214000 I | -11.0 | 7.3 | 0.7 |
| **Venezuela** | 137000 | - | 1.1 | 0.1 | 128000 | -6.6 | 1.1 | 0.1 | 346000 | 170.3 | 2.4 | 0.2 | 348000 | 0.6 | 2.1 | 0.2 | 265000 | -23.9 | 1.6 | 0.2 |
| ***Philippines*** | *123000* | - | *1.0* | *0.1* | *173000* | *40.7* | *1.4* | *0.1* | *175000* | *1.2* | *1.2* | *0.1* | *175000* | *0.0* | *1.0* | *0.1* | *175000* | *0.0* | *1.1* | *0.1* |
| **Total Producers** | 12522200 I | - | 96.5 | 7.8 | 12177200 I | -2.8 | 95.8 | 7.4 | 14592200 I | 19.8 | 96.3 | 8.5 | 16778200 I | 15.0 | 96.9 | 10.1 | 16548200 I | -1.4 | 96.8 | 9.9 |
| **World** | 161225647 I | - | - | - | 164051386 I | 1.8 | - | - | 171864409 I | 4.8 | - | - | 166219852 I | -3.3 | - | - | 167956575 I | 1.0 | - | - |

**WOOD PULP - IMPORTS**

BY WEIGHT

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World |
| **Indonesia** | 837400 | - | 37.5 | 2.4 | 957100 | 14.3 | 39.4 | 2.6 | 970400 | 1.4 | 40.4 | 2.6 | 786600 | -18.9 | 37.0 | 2.0 | 822100 | 4.5 | 35.7 | 2.0 |
| **Brazil** | 319800 | - | 14.3 | 0.9 | 340000 | 6.3 | 14.0 | 0.9 | 347500 | 2.2 | 14.5 | 0.9 | 316100 | -9.0 | 14.9 | 0.8 | 437200 | 38.3 | 19.0 | 1.1 |
| **Thailand** | 318000 | - | 14.2 | 0.9 | 423000 | 33.0 | 17.4 | 1.2 | 410000 | -3.1 | 17.1 | 1.1 | 385000 | -6.1 | 18.1 | 1.0 | 421000 | 9.4 | 18.3 | 1.0 |
| **India** | 305500 | - | 13.7 | 0.9 | 250200 | -18.1 | 10.3 | 0.7 | 166400 | -33.5 | 6.9 | 0.4 | 212500 | 27.7 | 10.0 | 0.5 | 203700 | -4.1 | 8.8 | 0.5 |
| **Venezuela** | 149670 | - | 6.7 | 0.4 | 147200 | -1.7 | 6.1 | 0.4 | 134400 | -8.7 | 5.6 | 0.4 | 123200 | -8.3 | 5.8 | 0.3 | 123000 | -0.2 | 5.3 | 0.3 |
| ***Colombia*** | *95800* | - | *4.3* | *0.3* | *96400* | *0.6* | *4.0* | *0.3* | *176500* | *83.1* | *7.4* | *0.5* | *110100* | *-37.6* | *5.2* | *0.3* | *115300* | *4.7* | *5.0* | *0.3* |
| **Total Producers** | 2234237 | - | 86.4 | 6.4 | 2428630 | 8.7 | 87.2 | 6.6 | 2399530 | -1.2 | 84.5 | 6.3 | 2123130 | -11.5 | 85.9 | 5.4 | 2302270 | 8.4 | 87.2 | 5.7 |
| **World** | 34823423 | - | - | - | 36702691 | 5.4 | - | - | 37961768 | 3.4 | - | - | 39170018 | 3.2 | - | - | 40274641 | 2.8 | - | - |

BY VALUE

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World |
| **Indonesia** | 411055 | - | 38.2 | 2.5 | 448862 | 9.2 | 38.5 | 2.6 | 643409 | 43.3 | 42.4 | 2.9 | 403201 | -37.3 | 37.5 | 2.2 | 375524 | -6.9 | 35.6 | 2.2 |
| **Brazil** | 160038 | - | 14.9 | 1.0 | 167989 | 5.0 | 14.4 | 1.0 | 230061 | 37.0 | 15.2 | 1.0 | 165720 | -28.0 | 15.4 | 0.9 | 213594 | 28.9 | 20.2 | 1.2 |
| **Thailand** | 167574 | - | 15.6 | 1.0 | 205569 | 22.7 | 17.6 | 1.2 | 265305 | 29.1 | 17.5 | 1.2 | 187912 | -29.2 | 17.5 | 1.0 | 175013 | -6.9 | 16.6 | 1.0 |
| **India** | 114866 | - | 10.7 | 0.7 | 111254 | -3.1 | 9.5 | 0.7 | 97054 | -12.8 | 6.4 | 0.4 | 90386 | -6.9 | 8.4 | 0.5 | 86396 | -4.4 | 8.2 | 0.5 |
| **Colombia** | 51910 | - | 4.8 | 0.3 | 51416 | -1.0 | 4.4 | 0.3 | 75548 | 46.9 | 5.0 | 0.3 | 63285 | -16.2 | 5.9 | 0.4 | 57305 | -9.4 | 5.4 | 0.3 |
| ***Venezuela*** | *66107* | - | *6.2* | *0.4* | *71050* | *7.5* | *6.1* | *0.4* | *87151* | *22.7* | *5.7* | *0.4* | *60644* | *-30.4* | *5.6* | *0.3* | *54670* | *-9.9* | *5.2* | *0.3* |
| **Total Producers** | 1074829 | - | 84.2 | 6.6 | 1166388 | 8.5 | 84.5 | 6.8 | 1518086 | 30.2 | 86.4 | 6.7 | 1076025 | -29.1 | 84.6 | 6.0 | 1056165 | -1.8 | 86.0 | 6.2 |
| **World** | 16163852 | - | - | - | 17051818 | 5.5 | - | - | 22548135 | 32.2 | - | - | 18009900 | -20.1 | - | - | 17125762 | -4.9 | - | - |

**WOOD PULP - EXPORTS**

BY WEIGHT

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World |
| **Brazil** | 2802800 | - | 60.0 | 8.0 | 3109200 | 10.9 | 68.6 | 8.4 | 3011200 | -3.2 | 65.0 | 7.9 | 3333200 | 10.7 | 61.7 | 8.6 | 2595000 | -22.1 | 51.3 | 6.6 |
| **Indonesia** | 1655600 | - | 35.4 | 4.7 | 1196900 | -27.7 | 26.4 | 3.2 | 1356300 | 13.3 | 29.3 | 3.5 | 1699200 | 25.3 | 31.5 | 4.4 | 2243950 | 32.1 | 44.4 | 5.7 |
| **Thailand** | 214000 | - | 4.6 | 0.6 | 227000 | 6.1 | 5.0 | 0.6 | 250000 | 10.1 | 5.4 | 0.7 | 341000 | 36.4 | 6.3 | 0.9 | 191000 | -44.0 | 3.8 | 0.5 |
| **India** | 100 | - | 0.0 | 0.0 | 1200 | 1100.0 | 0.0 | 0.0 | 16000 | 1233.3 | 0.3 | 0.0 | 25000 | 56.3 | 0.5 | 0.1 | 25000 | 0.0 | 0.5 | 0.1 |
| **Philippines** | 100 | - | 0.0 | 0.0 | 80 | -20.0 | 0.0 | 0.0 | 100 | 25.0 | 0.0 | 0.0 | 300 | 200.0 | 0.0 | 0.0 | 200 | -33.3 | 0.0 | 0.0 |
| **Total Producers** | 4672800 | - | 100.0 | 13.3 | 4534580 | -3.0 | 100.0 | 12.2 | 4633800 | 2.2 | 100.0 | 12.1 | 5398700 | 16.5 | 100.0 | 14.0 | 5055154 | -6.4 | 100.0 | 12.8 |
| **World** | 35004400 | - | - | - | 37072062 | 5.9 | - | - | 38276209 | 3.2 | - | - | 38553855 | 0.7 | - | - | 39459142 | 2.3 | - | - |

BY VALUE

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World |
| **Brazil** | 1048899 | - | 57.8 | 7.0 | 1240973 | 18.3 | 67.5 | 7.8 | 1601567 | 29.1 | 63.9 | 7.6 | 1245903 | -22.2 | 63.8 | 7.7 | 1146313 | -8.0 | 59.1 | 7.3 |
| **Indonesia** | 689375 | - | 38.0 | 4.6 | 487981 | -29.2 | 26.5 | 3.1 | 724225 | 48.4 | 28.9 | 3.4 | 563254 | -22.2 | 28.9 | 3.5 | 706376 | 25.4 | 36.4 | 4.5 |
| **Thailand** | 74594 | - | 4.1 | 0.5 | 109383 | 46.6 | 5.9 | 0.7 | 170925 | 56.3 | 6.8 | 0.8 | 127719 | -25.3 | 6.5 | 0.8 | 72228 | -43.4 | 3.7 | 0.5 |
| **India** | 52 | - | 0.0 | 0.0 | 612 | 1076.9 | 0.0 | 0.0 | 11140 | 1720.3 | 0.4 | 0.1 | 14258 | 28.0 | 0.7 | 0.1 | 14258 | 0.0 | 0.7 | 0.1 |
| **Philippines** | 174 | - | 0.0 | 0.0 | 49 | -71.8 | 0.0 | 0.0 | 132 | 169.4 | 0.0 | 0.0 | 197 | 49.2 | 0.0 | 0.0 | 160 | -18.8 | 0.0 | 0.0 |
| **Total Producers** | 1813171 | - | 100.0 | 12.1 | 1839074 | 1.4 | 100.0 | 11.5 | 2508061 | 36.4 | 100.0 | 11.8 | 1951299 | -22.2 | 100.0 | 12.0 | 1939304 | -0.6 | 100.0 | 12.3 |
| **World** | 14990610 | - | - | - | 15942048 | 6.3 | - | - | 21204896 | 33.0 | - | - | 16277477 | -23.2 | - | - | 15749806 | -3.2 | - | - |

# Table 1-3. Production and Trade of Reconstituted Panels, Wood Pulp and Paper by Major ITTO Producers, 1998-2002

**WOOD PULP, OF WHICH: MECHANICAL WOOD PULP - PRODUCTION**

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Weight (mt) | %Chng | %Prod | World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World |
| **Brazil** | 466000 | - | 64.2 | 1.4 | 444000 | -4.7 | 63.1 | 1.3 | 502000 | 13.1 | 53.7 | 1.3 | 460000 | -8.4 | 51.6 | 1.3 | 460000 | 0.0 | 51.6 | 1.3 |
| **India** | 223000 | - | 30.7 | 0.6 | 223000 | 0.0 | 31.7 | 0.6 | 223000 | 0.0 | 23.8 | 0.6 | 223000 | 0.0 | 25.0 | 0.6 | 223000 | 0.0 | 25.0 | 0.6 |
| **Venezuela** | 0 | - | 0.0 | 0.0 | 0 | - | 0.0 | 0.0 | 173000 | - | 18.5 | 0.5 | 172000 | -0.6 | 19.3 | 0.5 | 172000 | 0.0 | 19.3 | 0.5 |
| **Philippines** | 28000 | - | 3.9 | 0.1 | 28000 | 0.0 | 4.0 | 0.1 | 28000 | 0.0 | 3.0 | 0.1 | 28000 | 0.0 | 3.1 | 0.1 | 28000 | 0.0 | 3.1 | 0.1 |
| **Honduras** | 4000 | - | 0.6 | 0.0 | 4000 | 0.0 | 0.6 | 0.0 | 4000 | 0.0 | 0.4 | 0.0 | 4000 | 0.0 | 0.4 | 0.0 | 4000 | 0.0 | 0.4 | 0.0 |
| ***Indonesia*** | *3000* [I] | - | *0.4* | *0.0* | *3000* [I] | *0.0* | *0.4* | *0.0* | *3000* [I] | *0.0* | *0.3* | *0.0* | *3000* [I] | *0.0* | *0.3* | *0.0* | *3000* [I] | *0.0* | *0.3* | *0.0* |
| **Total Producers** | 726200 [I] | - | 99.3 | 2.1 | 704200 [I] | -3.0 | 99.3 | 2.0 | 935200 [I] | 32.8 | 99.4 | 2.5 | 892200 [I] | -4.6 | 99.4 | 2.6 | 892200 [I] | 0.0 | 99.4 | 2.6 |
| **World** | 34502674 [I] | - | - | - | 35058770 [I] | 1.6 | - | - | 37675332 [I] | 7.5 | - | - | 34979551 [I] | -7.2 | - | - | 34666750 [I] | -0.9 | - | - |

**WOOD PULP, OF WHICH: MECHANICAL WOOD PULP - IMPORTS** BY WEIGHT

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World |
| **Indonesia** | 166000 | - | 84.8 | 11.4 | 93000 | -44.0 | 78.2 | 6.7 | 114000 | 22.6 | 79.1 | 7.9 | 71000 | -37.7 | 69.2 | 5.0 | 71000 | 0.0 | 70.2 | 5.3 |
| **Nigeria** | 64 | - | 0.0 | 0.0 | 15500 | 24118.8 | 13.0 | 1.1 | 15500 | 0.0 | 10.7 | 1.1 | 15500 | 0.0 | 15.1 | 1.1 | 15500 | 0.0 | 15.3 | 1.2 |
| **India** | 23300 | - | 11.9 | 1.6 | 5200 | -77.7 | 4.4 | 0.4 | 4500 | -13.5 | 3.1 | 0.3 | 11100 | 146.7 | 10.8 | 0.8 | 11100 | 0.0 | 11.0 | 0.8 |
| **Philippines** | 1100 | - | 0.6 | 0.1 | 1100 | 0.0 | 0.9 | 0.1 | 5000 | 354.5 | 3.5 | 0.3 | 2500 | -50.0 | 2.4 | 0.2 | 2100 | -16.0 | 2.1 | 0.2 |
| **Thailand** | 3000 | - | 1.5 | 0.2 | 3000 | 0.0 | 2.5 | 0.2 | 3000 | 0.0 | 2.1 | 0.2 | 1000 | -66.7 | 1.0 | 0.1 | 1000 | 0.0 | 1.0 | 0.1 |
| **Total Producers** | 195664 | - | 98.9 | 13.5 | 119000 | -39.2 | 99.0 | 8.6 | 144200 | 21.2 | 98.5 | 9.9 | 102600 | -28.8 | 98.5 | 7.2 | 101123 | -1.4 | 99.6 | 7.6 |
| **World** | 1453573 | - | - | - | 1387849 | -4.5 | - | - | 1449376 | 4.4 | - | - | 1425621 | -1.6 | - | - | 1330525 | -6.7 | - | - |

BY VALUE

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World |
| **Indonesia** | 63866 | - | 87.0 | 13.0 | 34279 | -46.3 | 75.8 | 7.3 | 63891 | 86.4 | 83.6 | 11.4 | 31164 | -51.2 | 72.7 | 6.2 | 31164 | 0.0 | 73.3 | 7.0 |
| **Nigeria** | 23 | - | 0.0 | 0.0 | 5682 | 24604.3 | 12.6 | 1.2 | 5682 | 0.0 | 7.4 | 1.0 | 5682 | 0.0 | 13.3 | 1.1 | 5682 | 0.0 | 13.4 | 1.3 |
| **India** | 5991 | - | 8.2 | 1.2 | 1986 | -66.9 | 4.4 | 0.4 | 1755 | -11.6 | 2.3 | 0.3 | 3427 | 95.3 | 8.0 | 0.7 | 3427 | 0.0 | 8.1 | 0.8 |
| **Philippines** | 1464 | - | 2.0 | 0.3 | 1464 | 0.0 | 3.2 | 0.3 | 2863 | 95.6 | 3.7 | 0.5 | 1567 | -45.3 | 3.7 | 0.3 | 1580 | 0.8 | 3.7 | 0.4 |
| **Thailand** | 1233 | - | 1.7 | 0.3 | 1325 | 7.5 | 2.9 | 0.3 | 1325 | 0.0 | 1.7 | 0.2 | 392 | -70.4 | 0.9 | 0.1 | 392 | 0.0 | 0.9 | 0.1 |
| **Total Producers** | 73403 | - | 98.9 | 14.9 | 45203 | -38.4 | 99.0 | 9.6 | 76449 | 69.1 | 98.8 | 13.6 | 42882 | -43.9 | 98.5 | 8.5 | 42532 | -0.8 | 99.3 | 9.6 |
| **World** | 492957 | - | - | - | 472158 | -4.2 | - | - | 561708 | 19.0 | - | - | 503712 | -10.3 | - | - | 442091 | -12.2 | - | - |

**WOOD PULP, OF WHICH: MECHANICAL WOOD PULP - EXPORTS** BY WEIGHT

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World |
| **Brazil** | 900 | - | 69.2 | 0.1 | 700 | -22.2 | 63.6 | 0.1 | 700 | 0.0 | 70.0 | 0.1 | 200 | -71.4 | 50.0 | 0.0 | 11200 | 5500.0 | 98.2 | 0.9 |
| **Indonesia** | 200 | - | 15.4 | 0.0 | 200 | 0.0 | 18.2 | 0.0 | 100 | -50.0 | 10.0 | 0.0 | 200 | 100.0 | 50.0 | 0.0 | 200 | 0.0 | 1.8 | 0.0 |
| **Honduras** | 200 | - | 15.4 | 0.0 | 200 | 0.0 | 18.2 | 0.0 | 200 | 0.0 | 20.0 | 0.0 | 0 | -100.0 | 0.0 | 0.0 | 0 | - | 0.0 | 0.0 |
| **Total Producers** | 1300 | - | 100.0 | 0.1 | 1100 | -15.4 | 100.0 | 0.1 | 1000 | -9.1 | 100.0 | 0.1 | 400 | -60.0 | 100.0 | 0.0 | 11400 | 2750.0 | 100.0 | 0.9 |
| **World** | 1065714 | - | - | - | 1088428 | 2.1 | - | - | 1178408 | 8.3 | - | - | 1171164 | -0.6 | - | - | 1254494 | 7.1 | - | - |

BY VALUE

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World |
| **Brazil** | 303 | - | 54.7 | 0.1 | 94 | -69.0 | 27.2 | 0.0 | 94 | 0.0 | 32.3 | 0.0 | 29 | -69.1 | 9.7 | 0.0 | 5264 | 18051.7 | 95.1 | 1.5 |
| **Indonesia** | 174 | - | 31.4 | 0.1 | 174 | 0.0 | 50.4 | 0.1 | 120 | -31.0 | 41.2 | 0.0 | 270 | 125.0 | 90.3 | 0.1 | 270 | 0.0 | 4.9 | 0.1 |
| **Honduras** | 77 | - | 13.9 | 0.0 | 77 | 0.0 | 22.3 | 0.0 | 77 | 0.0 | 26.5 | 0.0 | 0 | -100.0 | 0.0 | 0.0 | 0 | - | 0.0 | 0.0 |
| **Total Producers** | 554 | - | 100.0 | 0.2 | 345 | -37.7 | 100.0 | 0.1 | 291 | -15.7 | 100.0 | 0.1 | 299 | 2.7 | 100.0 | 0.1 | 5534 | 1750.8 | 100.0 | 1.6 |
| **World** | 297385 | - | - | - | 305207 | 2.6 | - | - | 393487 | 28.9 | - | - | 336230 | -14.6 | - | - | 351156 | 4.4 | - | - |

# Table 1-3. Production and Trade of Reconstituted Panels, Wood Pulp and Paper by Major ITTO Producers, 1998-2002

**WOOD PULP, OF WHICH: DISSOLVING WOOD PULP - PRODUCTION**

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Weight (mt) | %Chng | %Prod | World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World |
| **India** | 255000 | - | 61.2 | 8.6 | 255000 | 0.0 | 65.9 | 8.9 | 255000 | 0.0 | 69.5 | 9.4 | 255000 | 0.0 | 63.9 | 9.2 | 255000 | 0.0 | 64.2 | 9.2 |
| **Brazil** | 134000 | - | 32.1 | 4.5 | 104000 | -22.4 | 26.9 | 3.6 | 101000 | -2.9 | 27.5 | 3.7 | 135000 | 33.7 | 33.8 | 4.9 | 135000 | 0.0 | 34.0 | 4.9 |
| **Indonesia** | 27000 [I] | - | 6.5 | 0.9 | 27000 [I] | 0.0 | 7.0 | 0.9 | 10000 [I] | -63.0 | 2.7 | 0.4 | 8000 [I] | -20.0 | 2.0 | 0.3 | 6000 [I] | -25.0 | 1.5 | 0.2 |
| **Honduras** | 1000 | - | 0.2 | 0.0 | 1000 | 0.0 | 0.3 | 0.0 | 1000 | 0.0 | 0.3 | 0.0 | 1000 | 0.0 | 0.3 | 0.0 | 1000 | 0.0 | 0.3 | 0.0 |
| **Total Producers** | 417000 [I] | - | 100.0 | 14.1 | 387000 [I] | -7.2 | 100.0 | 13.4 | 367000 [I] | -5.2 | 100.0 | 13.5 | 399000 [I] | 8.7 | 100.0 | 14.5 | 397000 [I] | -0.5 | 100.0 | 14.4 |
| **World** | 2961400 [I] | - | - | - | 2879300 [I] | -2.8 | - | - | 2719208 [I] | -5.6 | - | - | 2759000 [I] | 1.5 | - | - | 2765560 [I] | 0.2 | - | - |

**WOOD PULP, OF WHICH: DISSOLVING WOOD PULP - IMPORTS** BY WEIGHT

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World |
| **Indonesia** | 224700 | - | 61.4 | 13.9 | 201900 | -10.1 | 57.0 | 12.4 | 220300 | 9.1 | 67.3 | 13.0 | 225800 | 2.5 | 68.3 | 14.6 | 227400 | 0.7 | 67.6 | 14.8 |
| **Thailand** | 74000 | - | 20.2 | 4.6 | 70000 | -5.4 | 19.8 | 4.3 | 67000 | -4.3 | 20.5 | 3.9 | 74000 | 10.4 | 22.4 | 4.8 | 74000 | 0.0 | 22.0 | 4.8 |
| **Brazil** | 14000 | - | 3.8 | 0.9 | 11000 | -21.4 | 3.1 | 0.7 | 13000 | 18.2 | 4.0 | 0.8 | 20300 | 56.2 | 6.1 | 1.3 | 24400 | 20.2 | 7.2 | 1.6 |
| **India** | 47200 | - | 12.9 | 2.9 | 66000 | 39.8 | 18.6 | 4.1 | 23200 | -64.8 | 7.1 | 1.4 | 7500 | -67.7 | 2.3 | 0.5 | 7500 | 0.0 | 2.2 | 0.5 |
| **Colombia** | 1300 | - | 0.4 | 0.1 | 900 | -30.8 | 0.3 | 0.1 | 2700 | 200.0 | 0.8 | 0.2 | 2400 | -11.1 | 0.7 | 0.2 | 3100 | 29.2 | 0.9 | 0.2 |
| **Total Producers** | 365854 | - | 98.7 | 22.6 | 354200 | -3.2 | 98.8 | 21.8 | 327100 | -7.7 | 99.7 | 19.3 | 330800 | 1.1 | 99.8 | 21.4 | 336612 | 1.8 | 99.9 | 22.0 |
| **World** | 1617938 | - | - | - | 1624755 | 0.4 | - | - | 1697011 | 4.4 | - | - | 1548551 | -8.7 | - | - | 1532944 | -1.0 | - | - |

BY VALUE

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World |
| **Indonesia** | 138732 | - | 59.0 | 12.1 | 113407 | -18.3 | 56.8 | 10.4 | 148228 | 30.7 | 65.2 | 12.2 | 148647 | 0.3 | 69.8 | 13.2 | 113342 | -23.8 | 63.0 | 11.3 |
| **Thailand** | 51480 | - | 21.9 | 4.5 | 40451 | -21.4 | 20.3 | 3.7 | 49432 | 22.2 | 21.7 | 4.1 | 42280 | -14.5 | 19.8 | 3.8 | 42280 | 0.0 | 23.5 | 4.2 |
| **Brazil** | 11248 | - | 4.8 | 1.0 | 8976 | -20.2 | 4.5 | 0.8 | 9407 | 4.8 | 4.1 | 0.8 | 14936 | 58.8 | 7.0 | 1.3 | 17522 | 17.3 | 9.7 | 1.7 |
| **India** | 29489 | - | 12.5 | 2.6 | 33261 | 12.8 | 16.7 | 3.1 | 18634 | -44.0 | 8.2 | 1.5 | 5105 | -72.6 | 2.4 | 0.5 | 5105 | 0.0 | 2.8 | 0.5 |
| **Colombia** | 1382 | - | 0.6 | 0.1 | 999 | -27.7 | 0.5 | 0.1 | 1047 | 4.8 | 0.5 | 0.1 | 1307 | 24.8 | 0.6 | 0.1 | 1422 | 8.8 | 0.8 | 0.1 |
| **Total Producers** | 235092 | - | 98.8 | 20.5 | 199615 | -15.1 | 98.7 | 18.3 | 227354 | 13.9 | 99.7 | 18.7 | 213003 | -6.3 | 99.7 | 18.9 | 179962 | -15.5 | 99.8 | 17.9 |
| **World** | 1149410 | - | - | - | 1089486 | -5.2 | - | - | 1218141 | 11.8 | - | - | 1126466 | -7.5 | - | - | 1004681 | -10.8 | - | - |

**WOOD PULP, OF WHICH: DISSOLVING WOOD PULP - EXPORTS** BY WEIGHT

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World |
| **Brazil** | 103400 | - | 82.9 | 6.6 | 95000 | -8.1 | 81.6 | 5.7 | 94000 | -1.1 | 95.7 | 5.7 | 79400 | -15.5 | 97.7 | 5.3 | 16000 | -79.8 | 98.2 | 1.2 |
| **Indonesia** | 21400 | - | 17.1 | 1.4 | 21400 | 0.0 | 18.4 | 1.3 | 4200 | -80.4 | 4.3 | 0.3 | 1900 | -54.8 | 2.3 | 0.1 | 300 | -84.2 | 1.8 | 0.0 |
| **Total Producers** | 124800 | - | 100.0 | 8.0 | 116400 | -6.7 | 100.0 | 7.0 | 98200 | -15.6 | 100.0 | 5.9 | 81300 | -17.2 | 100.0 | 5.4 | 16300 | -80.0 | 100.0 | 1.2 |
| **World** | 1555433 | - | - | - | 1669177 | 7.3 | - | - | 1661350 | -0.5 | - | - | 1494608 | -10.0 | - | - | 1386899 | -7.2 | - | - |

BY VALUE

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World |
| **Brazil** | 55812 | - | 79.6 | 4.9 | 50437 | -9.6 | 77.4 | 4.7 | 63533 | 26.0 | 95.9 | 5.5 | 45062 | -29.1 | 98.4 | 4.5 | 8758 | -80.6 | 98.5 | 1.0 |
| **Indonesia** | 14262 | - | 20.4 | 1.2 | 14762 | 3.5 | 22.6 | 1.4 | 2718 | -81.6 | 4.1 | 0.2 | 735 | -73.0 | 1.6 | 0.1 | 135 | -81.6 | 1.5 | 0.0 |
| **Total Producers** | 70074 | - | 100.0 | 6.1 | 65199 | -7.0 | 100.0 | 6.0 | 66251 | 1.6 | 100.0 | 5.8 | 45797 | -30.9 | 100.0 | 4.6 | 8893 | -80.6 | 100.0 | 1.0 |
| **World** | 1149816 | - | - | - | 1080644 | -6.0 | - | - | 1147950 | 6.2 | - | - | 1001528 | -12.8 | - | - | 858079 | -14.3 | - | - |

# Table 1-3. Production and Trade of Reconstituted Panels, Wood Pulp and Paper by Major ITTO Producers, 1998-2002

**WOOD PULP, OF WHICH: SEMI-CHEMICAL WOOD PULP - PRODUCTION**

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Weight (mt) | %Chng | %Prod | World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World |
| **Indonesia** | 0 | - | 0.0 | 0.0 | 0 | - | 0.0 | 0.0 | 0 | - | 0.0 | 0.0 | 277000 | - | 60.1 | 3.3 | 277000 | 0.0 | 64.4 | 3.3 |
| **Thailand** | 55000 | - | 36.9 | 0.9 | 55000 I | 0.0 | 29.9 | 0.7 | 55000 I | 0.0 | 28.9 | 0.7 | 55000 I | 0.0 | 11.9 | 0.7 | 55000 I | 0.0 | 12.8 | 0.7 |
| **Colombia** | 34000 | - | 22.8 | 0.5 | 44000 | 29.4 | 23.9 | 0.6 | 47000 | 6.8 | 24.7 | 0.6 | 45000 | -4.3 | 9.8 | 0.5 | 47000 | 4.4 | 10.9 | 0.6 |
| **Brazil** | 27000 | - | 18.1 | 0.4 | 44000 | 63.0 | 23.9 | 0.6 | 46000 | 4.5 | 24.2 | 0.6 | 27000 | -41.3 | 5.9 | 0.3 | 27000 | 0.0 | 6.3 | 0.3 |
| **Venezuela** | 24000 | - | 16.1 | 0.4 | 32000 | 33.3 | 17.4 | 0.4 | 33000 | 3.1 | 17.4 | 0.4 | 48000 | 45.5 | 10.4 | 0.6 | 15000 | -68.8 | 3.5 | 0.2 |
| ***Nigeria*** | *9000* | - | *6.0* | *0.1* | *9000* | *0.0* | *4.9* | *0.1* | *9000* | *0.0* | *4.7* | *0.1* | *9000* | *0.0* | *2.0* | *0.1* | *9000* | *0.0* | *2.1* | *0.1* |
| **Total Producers** | 149000 | - | 94.0 | 2.4 | 184000 I | 23.5 | 95.1 | 2.4 | 190000 I | 3.3 | 95.3 | 2.3 | 461000 I | 142.6 | 98.0 | 5.5 | 430000 I | -6.7 | 97.9 | 5.1 |
| **World** | 6287848 | - | - | - | 7760000 I | 23.4 | - | - | 8242897 I | 6.2 | - | - | 8396489 I | 1.9 | - | - | 8427185 I | 0.4 | - | - |

**WOOD PULP, OF WHICH: SEMI-CHEMICAL WOOD PULP - IMPORTS**

BY WEIGHT

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World |
| **Brazil** | 900 | - | 1.0 | 0.1 | 1000 | 11.1 | 1.1 | 0.1 | 0 | -100.0 | 0.0 | 0.0 | 0 | - | 0.0 | 0.0 | 86800 | - | 42.6 | 5.0 |
| **Indonesia** | 38500 | - | 42.3 | 3.4 | 47000 | 22.1 | 50.2 | 3.8 | 55200 | 17.4 | 64.9 | 4.0 | 70900 | 28.4 | 56.2 | 4.6 | 70900 | 0.0 | 34.8 | 4.1 |
| **India** | 46000 | - | 50.5 | 4.0 | 38000 | -17.4 | 40.6 | 3.1 | 20400 | -46.3 | 24.0 | 1.5 | 44800 | 119.6 | 35.5 | 2.9 | 36000 | -19.6 | 17.7 | 2.1 |
| **Ecuador** | 4100 | - | 4.5 | 0.4 | 4100 | 0.0 | 4.4 | 0.3 | 4100 | 0.0 | 4.8 | 0.3 | 4100 | 0.0 | 3.3 | 0.3 | 4100 | 0.0 | 2.0 | 0.2 |
| **Malaysia** | 900 | - | 1.0 | 0.1 | 3200 | 255.6 | 3.4 | 0.3 | 3200 | 0.0 | 3.8 | 0.2 | 3200 | 0.0 | 2.5 | 0.2 | 3200 | 0.0 | 1.6 | 0.2 |
| **Total Producers** | 91100 | - | 99.2 | 8.0 | 93700 | 2.9 | 99.6 | 7.7 | 85000 | -9.3 | 97.5 | 6.2 | 126100 | 48.4 | 97.5 | 8.2 | 203879 | 61.7 | 98.6 | 11.8 |
| **World** | 1139275 | - | - | - | 1223263 | 7.4 | - | - | 1363144 | 11.4 | - | - | 1542973 | 13.2 | - | - | 1720661 | 11.5 | - | - |

BY VALUE

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World |
| **Brazil** | 303 | - | 1.1 | 0.1 | 378 | 24.8 | 1.0 | 0.1 | 0 | -100.0 | 0.0 | 0.0 | 0 | - | 0.0 | 0.0 | 43495 | - | 45.9 | 6.4 |
| **Indonesia** | 14625 | - | 50.9 | 3.4 | 18210 | 24.5 | 49.2 | 3.7 | 28204 | 54.9 | 64.3 | 4.1 | 31483 | 11.6 | 56.8 | 5.0 | 31483 | 0.0 | 33.2 | 4.6 |
| **India** | 11315 | - | 39.3 | 2.6 | 14656 | 29.5 | 39.6 | 3.0 | 10988 | -25.0 | 25.1 | 1.6 | 18962 | 72.6 | 34.2 | 3.0 | 14972 | -21.0 | 15.8 | 2.2 |
| **Ecuador** | 1810 | - | 6.3 | 0.4 | 1810 | 0.0 | 4.9 | 0.4 | 1810 | 0.0 | 4.1 | 0.3 | 1810 | 0.0 | 3.3 | 0.3 | 1810 | 0.0 | 1.9 | 0.3 |
| **Malaysia** | 376 | - | 1.3 | 0.1 | 1768 | 370.2 | 4.8 | 0.4 | 1768 | 0.0 | 4.0 | 0.3 | 1768 | 0.0 | 3.2 | 0.3 | 1768 | 0.0 | 1.9 | 0.3 |
| **Total Producers** | 28760 | - | 98.8 | 6.7 | 36987 | 28.6 | 99.6 | 7.6 | 43857 | 18.6 | 97.5 | 6.4 | 55413 | 26.3 | 97.5 | 8.8 | 94764 | 71.0 | 98.7 | 13.9 |
| **World** | 429364 | - | - | - | 488114 | 13.7 | - | - | 680794 | 39.5 | - | - | 632632 | -7.1 | - | - | 679849 | 7.5 | - | - |

**WOOD PULP, OF WHICH: SEMI-CHEMICAL WOOD PULP - EXPORTS** No significant exports by ITTO Producers.

# Table 1-3. Production and Trade of Reconstituted Panels, Wood Pulp and Paper by Major ITTO Producers, 1998-2002

**WOOD PULP, OF WHICH: CHEMICAL WOOD PULP - PRODUCTION**

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Weight (mt) | %Chng | %Prod | World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World |
| **Brazil** | 6147000 | - | 54.7 | 5.2 | 6521000 | 6.1 | 59.8 | 5.5 | 6689000 | 2.6 | 51.1 | 5.4 | 6814000 | 1.9 | 45.3 | 5.7 | 6814000 | 0.0 | 46.0 | 5.6 |
| **Indonesia** | 2837000 [I] | - | 25.3 | 2.4 | 1744000 [I] | -38.5 | 16.0 | 1.5 | 3646000 [I] | 109.1 | 27.8 | 3.0 | 5225000 [I] | 43.3 | 34.8 | 4.4 | 5225000 [I] | 0.0 | 35.2 | 4.3 |
| **Thailand** | 749000 [I] | - | 6.7 | 0.6 | 1036000 [I] | 38.3 | 9.5 | 0.9 | 1064000 [I] | 2.7 | 8.1 | 0.9 | 1309000 [I] | 23.0 | 8.7 | 1.1 | 1159000 [I] | -11.5 | 7.8 | 0.9 |
| **India** | 1020000 | - | 9.1 | 0.9 | 1080000 | 5.9 | 9.9 | 0.9 | 1112000 | 3.0 | 8.5 | 0.9 | 1112000 | 0.0 | 7.4 | 0.9 | 1112000 | 0.0 | 7.5 | 0.9 |
| **Colombia** | 142000 | - | 1.3 | 0.1 | 145000 | 2.1 | 1.3 | 0.1 | 163000 | 12.4 | 1.2 | 0.1 | 152000 | -6.7 | 1.0 | 0.1 | 155000 | 2.0 | 1.0 | 0.1 |
| ***Philippines*** | *94000* | - | *0.8* | *0.1* | *145000* | *54.3* | *1.3* | *0.1* | *147000* | *1.4* | *1.1* | *0.1* | *147000* | *0.0* | *1.0* | *0.1* | *147000* | *0.0* | *1.0* | *0.1* |
| **Total Producers** | 11230000 [I] | - | 97.0 | 9.6 | 10902000 [I] | -2.9 | 96.6 | 9.2 | 13100000 [I] | 20.2 | 96.7 | 10.6 | 15026000 [I] | 14.7 | 97.2 | 12.5 | 14829000 [I] | -1.3 | 97.5 | 12.1 |
| **World** | 117429726 [I] | - | - | - | 118309316 [I] | 0.7 | - | - | 123182974 [I] | 4.1 | - | - | 120040814 [I] | -2.6 | - | - | 122053078 [I] | 1.7 | - | - |

**WOOD PULP, OF WHICH: CHEMICAL WOOD PULP - IMPORTS** BY WEIGHT

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World |
| **Indonesia** | 408200 | - | 25.8 | 1.3 | 615200 | 50.7 | 33.0 | 1.9 | 580900 | -5.6 | 31.5 | 1.7 | 418900 | -27.9 | 26.8 | 1.2 | 452800 | 8.1 | 27.3 | 1.3 |
| **Thailand** | 241000 | - | 15.2 | 0.8 | 350000 | 45.2 | 18.8 | 1.1 | 340000 | -2.9 | 18.4 | 1.0 | 310000 | -8.8 | 19.8 | 0.9 | 346000 | 11.6 | 20.8 | 1.0 |
| **Brazil** | 303600 | - | 19.2 | 1.0 | 327700 | 7.9 | 17.6 | 1.0 | 333200 | 1.7 | 18.1 | 1.0 | 295200 | -11.4 | 18.9 | 0.9 | 325500 | 10.3 | 19.6 | 0.9 |
| **India** | 189000 | - | 11.9 | 0.6 | 141000 | -25.4 | 7.6 | 0.4 | 118300 | -16.1 | 6.4 | 0.4 | 149100 | 26.0 | 9.5 | 0.4 | 149100 | 0.0 | 9.0 | 0.4 |
| **Venezuela** | 146770 | - | 9.3 | 0.5 | 145000 | -1.2 | 7.8 | 0.4 | 133800 | -7.7 | 7.3 | 0.4 | 122600 | -8.4 | 7.8 | 0.4 | 123000 | 0.3 | 7.4 | 0.3 |
| ***Colombia*** | *94500* | - | *6.0* | *0.3* | *95500* | *1.1* | *5.1* | *0.3* | *173300* | *81.5* | *9.4* | *0.5* | *105800* | *-38.9* | *6.8* | *0.3* | *111100* | *5.0* | *6.7* | *0.3* |
| **Total Producers** | 1581619 | - | 81.5 | 5.2 | 1861730 | 17.7 | 84.8 | 5.7 | 1843230 | -1.0 | 81.7 | 5.5 | 1563630 | -15.2 | 82.9 | 4.5 | 1660656 | 6.2 | 84.1 | 4.7 |
| **World** | 30612637 | - | - | - | 32466824 | 6.1 | - | - | 33452237 | 3.0 | - | - | 34652873 | 3.6 | - | - | 35690511 | 3.0 | - | - |

BY VALUE

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World |
| **Indonesia** | 193832 | - | 26.3 | 1.4 | 282966 | 46.0 | 32.0 | 1.9 | 403086 | 42.5 | 34.4 | 2.0 | 191907 | -52.4 | 25.1 | 1.2 | 199535 | 4.0 | 27.0 | 1.3 |
| **Brazil** | 148011 | - | 20.1 | 1.1 | 158518 | 7.1 | 17.9 | 1.1 | 220071 | 38.8 | 18.8 | 1.1 | 150484 | -31.6 | 19.7 | 1.0 | 152308 | 1.2 | 20.6 | 1.0 |
| **Thailand** | 114851 | - | 15.6 | 0.8 | 163783 | 42.6 | 18.5 | 1.1 | 214548 | 31.0 | 18.3 | 1.1 | 145240 | -32.3 | 19.0 | 0.9 | 132341 | -8.9 | 17.9 | 0.9 |
| **India** | 68071 | - | 9.2 | 0.5 | 61351 | -9.9 | 6.9 | 0.4 | 65677 | 7.1 | 5.6 | 0.3 | 62892 | -4.2 | 8.2 | 0.4 | 62892 | 0.0 | 8.5 | 0.4 |
| **Colombia** | 50528 | - | 6.9 | 0.4 | 50417 | -0.2 | 5.7 | 0.3 | 74307 | 47.4 | 6.3 | 0.4 | 61203 | -17.6 | 8.0 | 0.4 | 55457 | -9.4 | 7.5 | 0.4 |
| ***Venezuela*** | *64436* | - | *8.7* | *0.5* | *69942* | *8.5* | *7.9* | *0.5* | *86700* | *24.0* | *7.4* | *0.4* | *60193* | *-30.6* | *7.9* | *0.4* | *54670* | *-9.2* | *7.4* | *0.4* |
| **Total Producers** | 737574 | - | 78.0 | 5.2 | 884583 | 19.9 | 81.1 | 5.9 | 1170426 | 32.3 | 83.5 | 5.8 | 764727 | -34.7 | 80.0 | 4.9 | 738907 | -3.4 | 81.5 | 4.9 |
| **World** | 14092121 | - | - | - | 15002060 | 6.5 | - | - | 20087492 | 33.9 | - | - | 15747090 | -21.6 | - | - | 14999141 | -4.7 | - | - |

**WOOD PULP, OF WHICH: CHEMICAL WOOD PULP - EXPORTS** BY WEIGHT

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World |
| **Brazil** | 2698500 | - | 59.4 | 8.8 | 3013500 | 11.7 | 68.2 | 9.3 | 2916500 | -3.2 | 64.3 | 8.7 | 3253600 | 11.6 | 61.2 | 9.5 | 2564600 | -21.2 | 51.0 | 7.4 |
| **Indonesia** | 1633000 | - | 35.9 | 5.3 | 1174300 | -28.1 | 26.6 | 3.6 | 1352000 | 15.1 | 29.8 | 4.1 | 1697100 | 25.5 | 31.9 | 5.0 | 2243450 | 32.2 | 44.7 | 6.5 |
| **Thailand** | 214000 | - | 4.7 | 0.7 | 227000 | 6.1 | 5.1 | 0.7 | 250000 | 10.1 | 5.5 | 0.7 | 341000 | 36.4 | 6.4 | 1.0 | 191000 | -44.0 | 3.8 | 0.5 |
| **India** | 100 | - | 0.0 | 0.0 | 1200 | 1100.0 | 0.0 | 0.0 | 16000 | 1233.3 | 0.4 | 0.0 | 25000 | 56.3 | 0.5 | 0.1 | 25000 | 0.0 | 0.5 | 0.1 |
| **Philippines** | 100 | - | 0.0 | 0.0 | 80 | -20.0 | 0.0 | 0.0 | 100 | 25.0 | 0.0 | 0.0 | 300 | 200.0 | 0.0 | 0.0 | 200 | -33.3 | 0.0 | 0.0 |
| **Total Producers** | 4545700 | - | 100.0 | 14.9 | 4416080 | -2.9 | 100.0 | 13.6 | 4534600 | 2.7 | 100.0 | 13.6 | 5317000 | 17.3 | 100.0 | 15.6 | 5024254 | -5.5 | 100.0 | 14.5 |
| **World** | 30578994 | - | - | - | 32368834 | 5.9 | - | - | 33368141 | 3.1 | - | - | 34087267 | 2.2 | - | - | 34745315 | 1.9 | - | - |

BY VALUE

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World |
| **Brazil** | 992784 | - | 57.0 | 7.7 | 1190442 | 19.9 | 67.1 | 8.6 | 1537940 | 29.2 | 63.0 | 8.3 | 1200812 | -21.9 | 63.0 | 8.4 | 1130931 | -5.8 | 58.8 | 8.2 |
| **Indonesia** | 674464 | - | 38.7 | 5.2 | 472659 | -29.9 | 26.7 | 3.4 | 721387 | 52.6 | 29.5 | 3.9 | 562249 | -22.1 | 29.5 | 4.0 | 705971 | 25.6 | 36.7 | 5.1 |
| **Thailand** | 74594 | - | 4.3 | 0.6 | 109383 | 46.6 | 6.2 | 0.8 | 170925 | 56.3 | 7.0 | 0.9 | 127719 | -25.3 | 6.7 | 0.9 | 72228 | -43.4 | 3.8 | 0.5 |
| **India** | 52 | - | 0.0 | 0.0 | 612 | 1076.9 | 0.0 | 0.0 | 11135 | 1719.4 | 0.5 | 0.1 | 14226 | 27.8 | 0.7 | 0.1 | 14226 | 0.0 | 0.7 | 0.1 |
| **Philippines** | 174 | - | 0.0 | 0.0 | 49 | -71.8 | 0.0 | 0.0 | 132 | 169.4 | 0.0 | 0.0 | 197 | 49.2 | 0.0 | 0.0 | 160 | -18.8 | 0.0 | 0.0 |
| **Total Producers** | 1742068 | - | 100.0 | 13.5 | 1773145 | 1.8 | 100.0 | 12.8 | 2441519 | 37.7 | 100.0 | 13.1 | 1905203 | -22.0 | 100.0 | 13.4 | 1923517 | 1.0 | 100.0 | 14.0 |
| **World** | 12933833 | - | - | - | 13828614 | 6.9 | - | - | 18623630 | 34.7 | - | - | 14227446 | -23.6 | - | - | 13771593 | -3.2 | - | - |

# Table 1-3. Production and Trade of Reconstituted Panels, Wood Pulp and Paper by Major ITTO Producers, 1998-2002

**WOOD PULP, OF WHICH - CHEMICAL, OF WHICH: SULPHATE UNBLEACHED - PRODUCTION**

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Weight (mt) | %Chng | %Prod | World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World |
| **Brazil** | 1315000 | - | 56.9 | 3.9 | 1379000 | 4.9 | 50.9 | 4.0 | 1376000 | -0.2 | 51.7 | 3.9 | 1457000 | 5.9 | 49.0 | 4.3 | 1457000 | 0.0 | 49.1 | 4.3 |
| **Thailand** | 489000 | - | 21.1 | 1.5 | 756000 | 54.6 | 27.9 | 2.2 | 764000 | 1.1 | 28.7 | 2.2 | 919000 | 20.3 | 30.9 | 2.7 | 919000 | 0.0 | 31.0 | 2.7 |
| **India** | 220000 | - | 9.5 | 0.7 | 230000 | 4.5 | 8.5 | 0.7 | 220000 | -4.3 | 8.3 | 0.6 | 220000 | 0.0 | 7.4 | 0.6 | 220000 | 0.0 | 7.4 | 0.6 |
| **Indonesia** | 147000 [I] | - | 6.4 | 0.4 | 164000 [I] | 11.6 | 6.1 | 0.5 | 115000 | -29.9 | 4.3 | 0.3 | 165000 | 43.5 | 5.6 | 0.5 | 165000 | 0.0 | 5.6 | 0.5 |
| **Philippines** | 62000 | - | 2.7 | 0.2 | 96000 | 54.8 | 3.5 | 0.3 | 97000 | 1.0 | 3.6 | 0.3 | 97000 | 0.0 | 3.3 | 0.3 | 97000 | 0.0 | 3.3 | 0.3 |
| **Total Producers** | 2313000 [I] | - | 96.5 | 6.9 | 2707000 [I] | 17.0 | 97.0 | 7.9 | 2663000 | -1.6 | 96.6 | 7.6 | 2971000 | 11.6 | 96.2 | 8.8 | 2965000 | -0.2 | 96.4 | 8.7 |
| **World** | 33559198 [I] | - | - | - | 34370000 [I] | 2.4 | - | - | 34960516 | 1.7 | - | - | 33885746 | -3.1 | - | - | 33958236 | 0.2 | - | - |

**WOOD PULP, OF WHICH - CHEMICAL, OF WHICH: SULPHATE UNBLEACHED - IMPORTS** BY WEIGHT

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World |
| **Thailand** | 106000 | - | 51.7 | 8.2 | 150000 | 41.5 | 58.6 | 10.1 | 142000 | -5.3 | 55.3 | 9.9 | 124000 | -12.7 | 60.8 | 6.8 | 130000 | 4.8 | 62.6 | 6.4 |
| **Indonesia** | 17300 | - | 8.4 | 1.3 | 27200 | 57.2 | 10.6 | 1.8 | 40100 | 47.4 | 15.6 | 2.8 | 26700 | -33.4 | 13.1 | 1.5 | 35900 | 34.5 | 17.3 | 1.8 |
| **Malaysia** | 26000 | - | 12.7 | 2.0 | 18100 | -30.4 | 7.1 | 1.2 | 17600 | -2.8 | 6.9 | 1.2 | 13700 | -22.2 | 6.7 | 0.8 | 13700 | 0.0 | 6.6 | 0.7 |
| **Venezuela** | 24000 | - | 11.7 | 1.9 | 21700 | -9.6 | 8.5 | 1.5 | 20000 | -7.8 | 7.8 | 1.4 | 12800 | -36.0 | 6.3 | 0.7 | 8800 | -31.3 | 4.2 | 0.4 |
| **Philippines** | 2700 | - | 1.3 | 0.2 | 10500 | 288.9 | 4.1 | 0.7 | 10100 | -3.8 | 3.9 | 0.7 | 9000 | -10.9 | 4.4 | 0.5 | 6000 | -33.3 | 2.9 | 0.3 |
| **Total Producers** | 204900 | - | 85.9 | 15.9 | 255800 | 24.8 | 88.9 | 17.2 | 256700 | 0.4 | 89.5 | 17.8 | 203800 | -20.6 | 91.4 | 11.2 | 207615 | 1.9 | 93.6 | 10.2 |
| **World** | 1289969 | - | - | - | 1485209 | 15.1 | - | - | 1441431 | -2.9 | - | - | 1822770 | 26.5 | - | - | 2035266 | 11.7 | - | - |

BY VALUE

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World |
| **Thailand** | 40221 | - | 49.8 | 7.8 | 60712 | 50.9 | 58.1 | 10.5 | 77077 | 27.0 | 55.3 | 10.6 | 44872 | -41.8 | 55.9 | 6.6 | 44000 | -1.9 | 57.4 | 6.1 |
| **Indonesia** | 6590 | - | 8.2 | 1.3 | 10470 | 58.9 | 10.0 | 1.8 | 23523 | 124.7 | 16.9 | 3.2 | 12169 | -48.3 | 15.2 | 1.8 | 15313 | 25.8 | 20.0 | 2.1 |
| **Malaysia** | 12115 | - | 15.0 | 2.4 | 8115 | -33.0 | 7.8 | 1.4 | 9116 | 12.3 | 6.5 | 1.2 | 5971 | -34.5 | 7.4 | 0.9 | 5971 | 0.0 | 7.8 | 0.8 |
| **Venezuela** | 9689 | - | 12.0 | 1.9 | 9264 | -4.4 | 8.9 | 1.6 | 10675 | 15.2 | 7.7 | 1.5 | 5192 | -51.4 | 6.5 | 0.8 | 3745 | -27.9 | 4.9 | 0.5 |
| **Philippines** | 1154 | - | 1.4 | 0.2 | 4127 | 257.6 | 4.0 | 0.7 | 4984 | 20.8 | 3.6 | 0.7 | 3617 | -27.4 | 4.5 | 0.5 | 2131 | -41.1 | 2.8 | 0.3 |
| **Total Producers** | 80718 | - | 86.4 | 15.7 | 104446 | 29.4 | 88.7 | 18.0 | 139295 | 33.4 | 90.0 | 19.1 | 80303 | -42.4 | 89.4 | 11.8 | 76603 | -4.6 | 92.9 | 10.6 |
| **World** | 514297 | - | - | - | 579475 | 12.7 | - | - | 729399 | 25.9 | - | - | 679120 | -6.9 | - | - | 723530 | 6.5 | - | - |

**WOOD PULP, OF WHICH - CHEMICAL, OF WHICH: SULPHATE UNBLEACHED - EXPORTS** BY WEIGHT

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World |
| **Brazil** | 45000 | - | 97.8 | 3.2 | 44000 | -2.2 | 97.8 | 2.8 | 23000 | -47.7 | 100.0 | 1.5 | 0 | -100.0 | 0.0 | 0.0 | 6400 | - | 98.5 | 0.4 |
| **Indonesia** | 0 | - | 0.0 | 0.0 | 0 | - | 0.0 | 0.0 | 0 | - | 0.0 | 0.0 | 2300 | - | 100.0 | 0.1 | 100 | -95.7 | 1.5 | 0.0 |
| **Thailand** | 1000 | - | 2.2 | 0.1 | 1000 | 0.0 | 2.2 | 0.1 | 0 | -100.0 | 0.0 | 0.0 | 0 | - | 0.0 | 0.0 | 0 | - | 0.0 | 0.0 |
| **Total Producers** | 46000 | - | 100.0 | 3.3 | 45000 | -2.2 | 100.0 | 2.8 | 23000 | -48.9 | 100.0 | 1.5 | 2300 | -90.0 | 100.0 | 0.1 | 6500 | 182.6 | 100.0 | 0.4 |
| **World** | 1387427 | - | - | - | 1583046 | 14.1 | - | - | 1509737 | -4.6 | - | - | 1790494 | 18.6 | - | - | 1766321 | -1.4 | - | - |

BY VALUE

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World |
| **Brazil** | 12741 | - | 96.0 | 2.7 | 14076 | 10.5 | 99.8 | 2.7 | 11721 | -16.7 | 100.0 | 1.9 | 0 | -100.0 | 0.0 | 0.0 | 2597 | - | 98.5 | 0.5 |
| **Indonesia** | 0 | - | 0.0 | 0.0 | 0 | - | 0.0 | 0.0 | 0 | - | 0.0 | 0.0 | 761 | - | 100.0 | 0.1 | 39 | -94.9 | 1.5 | 0.0 |
| **Thailand** | 526 | - | 4.0 | 0.1 | 32 | -93.9 | 0.2 | 0.0 | 0 | -100.0 | 0.0 | 0.0 | 0 | - | 0.0 | 0.0 | 0 | - | 0.0 | 0.0 |
| **Total Producers** | 13267 | - | 100.0 | 2.8 | 14108 | 6.3 | 100.0 | 2.7 | 11721 | -16.9 | 100.0 | 1.9 | 761 | -93.5 | 100.0 | 0.1 | 2636 | 246.4 | 100.0 | 0.5 |
| **World** | 470410 | - | - | - | 515902 | 9.7 | - | - | 601828 | 16.7 | - | - | 530994 | -11.8 | - | - | 544999 | 2.6 | - | - |

# Table 1-3. Production and Trade of Reconstituted Panels, Wood Pulp and Paper by Major ITTO Producers, 1998-2002

**WOOD PULP, OF WHICH - CHEMICAL, OF WHICH: SULPHATE BLEACHED - PRODUCTION**

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Weight (mt) | %Chng | %Prod | World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World |
| **Brazil** | 4812000 | - | 54.9 | 6.2 | 5120000 | 6.4 | 63.6 | 6.5 | 5292000 | 3.4 | 51.7 | 6.4 | 5332000 | 0.8 | 44.5 | 6.6 | 5332000 | 0.0 | 45.2 | 6.4 |
| **Indonesia** | 2670000 [I] | - | 30.5 | 3.4 | 1560000 | -41.6 | 19.4 | 2.0 | 3511000 | 125.1 | 34.3 | 4.2 | 5040000 | 43.5 | 42.0 | 6.2 | 5040000 | 0.0 | 42.7 | 6.1 |
| **India** | 800000 | - | 9.1 | 1.0 | 850000 | 6.3 | 10.6 | 1.1 | 872000 | 2.6 | 8.5 | 1.1 | 872000 | 0.0 | 7.3 | 1.1 | 872000 | 0.0 | 7.4 | 1.1 |
| **Thailand** | 260000 [I] | - | 812.5 | 3.0 | 280000 [I] | 7.7 | 571.4 | 3.5 | 300000 [I] | 7.1 | 600.0 | 2.9 | 390000 [I] | 30.0 | 780.0 | 3.3 | 240000 [I] | -38.5 | 2.0 | 0.3 |
| **Malaysia** | 112000 | - | 1.3 | 0.1 | 119000 | 6.3 | 1.5 | 0.2 | 123000 | 3.4 | 1.2 | 0.1 | 123000 | 0.0 | 1.0 | 0.2 | 123000 | 0.0 | *1.0* | *0.1* |
| ***Philippines*** | 32000 | - | 0.4 | 0.0 | 49000 | 53.1 | 0.6 | 0.1 | 50000 | 2.0 | 0.5 | 0.1 | 50000 | 0.0 | 0.4 | 0.1 | 50000 | 0.0 | *0.4* | *0.1* |
| **Total Producers** | 8763000 [I] | - | 98.8 | 11.2 | 8056000 [I] | -8.1 | 98.4 | 10.3 | 10235000 [I] | 27.0 | 98.7 | 12.4 | 11989000 [I] | 17.1 | 98.1 | 14.8 | 11798000 [I] | -1.6 | 98.4 | 14.3 |
| **World** | 78017802 [I] | - | - | - | 78465700 [I] | 0.6 | - | - | 82722564 [I] | 5.4 | - | - | 81091614 [I] | -2.0 | - | - | 82729715 [I] | 2.0 | - | - |

**WOOD PULP, OF WHICH - CHEMICAL, OF WHICH: SULPHATE BLEACHED - IMPORTS** BY WEIGHT

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World |
| **Indonesia** | 329400 | - | 25.6 | 1.2 | 521500 | 58.3 | 34.9 | 1.8 | 513400 | -1.6 | 33.8 | 1.7 | 334800 | -34.8 | 26.1 | 1.1 | 385300 | 15.1 | 27.7 | 1.2 |
| **Brazil** | 287400 | - | 22.4 | 1.1 | 296700 | 3.2 | 19.9 | 1.0 | 303200 | 2.2 | 19.9 | 1.0 | 290000 | -4.4 | 22.6 | 0.9 | 310500 | 7.1 | 22.3 | 1.0 |
| **Thailand** | 127000 | - | 9.9 | 0.5 | 189000 | 48.8 | 12.6 | 0.7 | 189000 | 0.0 | 12.4 | 0.6 | 177000 | -6.3 | 13.8 | 0.6 | 206000 | 16.4 | 14.8 | 0.6 |
| **India** | 169900 | - | 13.2 | 0.6 | 128000 | -24.7 | 8.6 | 0.4 | 104000 | -18.8 | 6.8 | 0.3 | 144000 | 38.5 | 11.2 | 0.5 | 144000 | 0.0 | 10.4 | 0.5 |
| **Venezuela** | 119700 | - | 9.3 | 0.4 | 120800 | 0.9 | 8.1 | 0.4 | 112000 | -7.3 | 7.4 | 0.4 | 108000 | -3.6 | 8.4 | 0.3 | 113000 | 4.6 | 8.1 | 0.4 |
| ***Colombia*** | *91400* | - | *7.1* | *0.3* | *92500* | *1.2* | *6.2* | *0.3* | *171100* | *85.0* | *11.3* | *0.6* | *104100* | *-39.2* | *8.1* | *0.3* | *110000* | *5.7* | *7.9* | *0.3* |
| **Total Producers** | 1284584 | - | 80.4 | 4.7 | 1494500 | 16.3 | 84.0 | 5.2 | 1520500 | 1.7 | 80.3 | 5.0 | 1282700 | -15.6 | 82.2 | 4.1 | 1389637 | 8.3 | 83.4 | 4.3 |
| **World** | 27279842 | - | - | - | 28938248 | 6.1 | - | - | 30209469 | 4.4 | - | - | 31118121 | 3.0 | - | - | 31985643 | 2.8 | - | - |

BY VALUE

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World |
| **Indonesia** | 161027 | - | 26.2 | 1.3 | 242514 | 50.6 | 33.4 | 1.8 | 362469 | 49.5 | 36.7 | 2.0 | 155446 | -57.1 | 23.9 | 1.1 | 169439 | 9.0 | 26.8 | 1.3 |
| **Brazil** | 141227 | - | 22.9 | 1.1 | 143181 | 1.4 | 19.7 | 1.1 | 201315 | 40.6 | 20.4 | 1.1 | 148368 | -26.3 | 22.8 | 1.0 | 144757 | -2.4 | 22.9 | 1.1 |
| **Thailand** | 71301 | - | 11.6 | 0.6 | 97659 | 37.0 | 13.4 | 0.7 | 131149 | 34.3 | 13.3 | 0.7 | 96734 | -26.2 | 14.9 | 0.7 | 84841 | -12.3 | 13.4 | 0.6 |
| **India** | 61069 | - | 9.9 | 0.5 | 56444 | -7.6 | 7.8 | 0.4 | 58534 | 3.7 | 5.9 | 0.3 | 60701 | 3.7 | 9.3 | 0.4 | 60701 | 0.0 | 9.6 | 0.4 |
| **Colombia** | 48797 | - | 7.9 | 0.4 | 48862 | 0.1 | 6.7 | 0.4 | 73410 | 50.2 | 7.4 | 0.4 | 60358 | -17.8 | 9.3 | 0.4 | 54969 | -8.9 | 8.7 | 0.4 |
| ***Venezuela*** | *52735* | - | *8.6* | *0.4* | *59016* | *11.9* | *8.1* | *0.4* | *74538* | *26.3* | *7.5* | *0.4* | *53748* | *-27.9* | *8.3* | *0.4* | *50131* | *-6.7* | *7.9* | *0.4* |
| **Total Producers** | 615563 | - | 78.5 | 4.9 | 726152 | 18.0 | 81.1 | 5.4 | 988506 | 36.1 | 83.6 | 5.4 | 650374 | -34.2 | 80.2 | 4.6 | 632560 | -2.7 | 81.4 | 4.7 |
| **World** | 12577746 | - | - | - | 13409014 | 6.6 | - | - | 18237549 | 36.0 | - | - | 14230826 | -22.0 | - | - | 13501337 | -5.1 | - | - |

**WOOD PULP, OF WHICH - CHEMICAL, OF WHICH: SULPHATE BLEACHED - EXPORTS** BY WEIGHT

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World |
| **Brazil** | 2653000 | - | 59.0 | 9.6 | 2969400 | 11.9 | 67.9 | 10.2 | 2893500 | -2.6 | 64.3 | 9.5 | 3253600 | 12.4 | 61.2 | 10.6 | 2544000 | -21.8 | 50.8 | 8.1 |
| **Indonesia** | 1633000 | - | 36.3 | 5.9 | 1174300 | -28.1 | 26.9 | 4.0 | 1344200 | 14.5 | 29.8 | 4.4 | 1692200 | 25.9 | 31.9 | 5.5 | 2243300 | 32.6 | 44.8 | 7.2 |
| **Thailand** | 213000 | - | 4.7 | 0.8 | 225000 | 5.6 | 5.1 | 0.8 | 250000 | 11.1 | 5.6 | 0.8 | 341000 | 36.4 | 6.4 | 1.1 | 191000 | -44.0 | 3.8 | 0.6 |
| **India** | 100 | - | 0.0 | 0.0 | 1200 | 1100.0 | 0.0 | 0.0 | 15400 | 1183.3 | 0.3 | 0.1 | 25000 | 62.3 | 0.5 | 0.1 | 25000 | 0.0 | 0.5 | 0.1 |
| **Philippines** | 100 | - | 0.0 | 0.0 | 80 | -20.0 | 0.0 | 0.0 | 100 | 25.0 | 0.0 | 0.0 | 300 | 200.0 | 0.0 | 0.0 | 200 | -33.3 | 0.0 | 0.0 |
| **Total Producers** | 4499200 | - | 100.0 | 16.3 | 4369980 | -2.9 | 100.0 | 15.0 | 4503200 | 3.0 | 100.0 | 14.9 | 5312100 | 18.0 | 100.0 | 17.3 | 5003504 | -5.8 | 100.0 | 16.0 |
| **World** | 27586373 | - | - | - | 29196473 | 5.8 | - | - | 30306520 | 3.8 | - | - | 30787033 | 1.6 | - | - | 31319948 | 1.7 | - | - |

BY VALUE

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World |
| **Brazil** | 979834 | - | 56.7 | 8.3 | 1176326 | 20.1 | 66.9 | 9.3 | 1526219 | 29.7 | 62.9 | 8.9 | 1200812 | -21.3 | 63.1 | 9.2 | 1121955 | -6.6 | 58.6 | 8.9 |
| **Indonesia** | 674464 | - | 39.0 | 5.7 | 472659 | -29.9 | 26.9 | 3.7 | 716804 | 51.7 | 29.6 | 4.2 | 561102 | -21.7 | 29.5 | 4.3 | 705827 | 25.8 | 36.9 | 5.6 |
| **Thailand** | 74067 | - | 4.3 | 0.6 | 108701 | 46.8 | 6.2 | 0.9 | 170925 | 57.2 | 7.0 | 1.0 | 127719 | -25.3 | 6.7 | 1.0 | 72228 | -43.4 | 3.8 | 0.6 |
| **India** | 52 | - | 0.0 | 0.0 | 612 | 1076.9 | 0.0 | 0.0 | 10874 | 1676.8 | 0.4 | 0.1 | 14226 | 30.8 | 0.7 | 0.1 | 14226 | 0.0 | 0.7 | 0.1 |
| **Philippines** | 174 | - | 0.0 | 0.0 | 49 | -71.8 | 0.0 | 0.0 | 132 | 169.4 | 0.0 | 0.0 | 197 | 49.2 | 0.0 | 0.0 | 160 | -18.8 | 0.0 | 0.0 |
| **Total Producers** | 1728591 | - | 100.0 | 14.7 | 1758347 | 1.7 | 100.0 | 13.9 | 2424954 | 37.9 | 100.0 | 14.1 | 1904056 | -21.5 | 100.0 | 14.6 | 1914397 | 0.5 | 100.0 | 15.3 |
| **World** | 11738886 | - | - | - | 12646842 | 7.7 | - | - | 17161620 | 35.7 | - | - | 13023154 | -24.1 | - | - | 12552577 | -3.6 | - | - |

# Table 1-3. Production and Trade of Reconstituted Panels, Wood Pulp and Paper by Major ITTO Producers, 1998-2002

**WOOD PULP, OF WHICH - CHEMICAL, OF WHICH: SULPHITE UNBLEACHED - PRODUCTION**

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Weight (mt) | %Chng | %Prod | World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World |
| **Venezuela** | 113000 | - | 100.0 | 7.8 | 96000 | -15.0 | 100.0 | 6.4 | 140000 | 45.8 | 100.0 | 10.3 | 0 | -100.0 | - | 0.0 | 0 | - | - | 0.0 |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| **Total Producers** | 113000 | - | 100.0 | 7.8 | 96000 | -15.0 | 100.0 | 6.4 | 140000 | 45.8 | - | 10.3 | 0 | -100.0 | - | 0.0 | 0 | - | - | 0.0 |
| **World** | 1456100 | - | - | - | 1492800 | 2.5 | - | - | 1356428 | -9.1 | - | - | 1120406 | -17.4 | - | - | 1323880 | 18.2 | - | - |

**WOOD PULP, OF WHICH - CHEMICAL, OF WHICH: SULPHITE UNBLEACHED - IMPORTS** BY WEIGHT

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World |
| **Indonesia** | 54300 | - | 87.6 | 30.1 | 50800 | -6.4 | 72.9 | 32.2 | 16400 | -67.7 | 60.3 | 12.8 | 43600 | 165.9 | 80.4 | 22.4 | 19800 | -54.6 | 63.5 | 14.3 |
| **Thailand** | 6000 | - | 9.7 | 3.3 | 10000 | 66.7 | 14.3 | 6.3 | 6000 | -40.0 | 22.1 | 4.7 | 8000 | 33.3 | 14.8 | 4.1 | 9000 | 12.5 | 28.8 | 6.5 |
| **Malaysia** | 0 | - | 0.0 | 0.0 | 1500 | - | 2.2 | 1.0 | 200 | -86.7 | 0.7 | 0.2 | 2000 | 900.0 | 3.7 | 1.0 | 2000 | 0.0 | 6.4 | 1.4 |
| **India** | 0 | - | 0.0 | 0.0 | 300 | - | 0.4 | 0.2 | 1600 | 433.3 | 5.9 | 1.3 | 300 | -81.3 | 0.6 | 0.2 | 300 | 0.0 | 1.0 | 0.2 |
| **Venezuela** | 70 | - | 0.1 | 0.0 | 0 | -100.0 | 0.0 | 0.0 | 0 | - | 0.0 | 0.0 | 100 | - | 0.2 | 0.1 | 100 | 0.0 | 0.3 | 0.1 |
| **Total Producers** | 62008 | - | 97.4 | 34.4 | 69700 | 12.4 | 89.8 | 44.2 | 27200 | -61.0 | 89.0 | 21.3 | 54200 | 99.3 | 99.6 | 27.9 | 31200 | -42.4 | 100.0 | 22.5 |
| **World** | 180129 | - | - | - | 157709 | -12.4 | - | - | 127663 | -19.1 | - | - | 194344 | 52.2 | - | - | 138610 | -28.7 | - | - |

BY VALUE

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World |
| **Indonesia** | 21430 | - | 89.1 | 28.9 | 21217 | -1.0 | 70.8 | 32.3 | 8684 | -59.1 | 58.4 | 14.3 | 15770 | 81.6 | 80.4 | 20.3 | 7656 | -51.5 | 67.5 | 15.1 |
| **Thailand** | 1980 | - | 8.2 | 2.7 | 4147 | 109.4 | 13.8 | 6.3 | 3379 | -18.5 | 22.7 | 5.6 | 2902 | -14.1 | 14.8 | 3.7 | 2800 | -3.5 | 24.7 | 5.5 |
| **Malaysia** | 0 | - | 0.0 | 0.0 | 775 | - | 2.6 | 1.2 | 41 | -94.7 | 0.3 | 0.1 | 702 | 1612.2 | 3.6 | 0.9 | 702 | 0.0 | 6.2 | 1.4 |
| **Venezuela** | 36 | - | 0.1 | 0.0 | 0 | -100.0 | 0.0 | 0.0 | 0 | - | 0.0 | 0.0 | 101 | - | 0.5 | 0.1 | 97 | -4.0 | 0.9 | 0.2 |
| **India** | 0 | - | 0.0 | 0.0 | 81 | - | 0.3 | 0.1 | 732 | 803.7 | 4.9 | 1.2 | 80 | -89.1 | 0.4 | 0.1 | 80 | 0.0 | 0.7 | 0.2 |
| **Total Producers** | 24061 | - | 97.4 | 32.5 | 29979 | 24.6 | 87.5 | 45.7 | 14875 | -50.4 | 86.3 | 24.4 | 19618 | 31.9 | 99.7 | 25.3 | 11335 | -42.2 | 100.0 | 22.4 |
| **World** | 74035 | - | - | - | 65643 | -11.3 | - | - | 60868 | -7.3 | - | - | 77569 | 27.4 | - | - | 50571 | -34.8 | - | - |

**WOOD PULP, OF WHICH - CHEMICAL, OF WHICH: SULPHITE UNBLEACHED - EXPORTS** BY WEIGHT

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World |
| **India** | 0 | - | - | 0.0 | 0 | - | 0.0 | 0.0 | 100 | - | 100.0 | 0.1 | 0 | -100.0 | 0.0 | 0.0 | 0 | - | - | 0.0 |
| **Indonesia** | 0 | - | - | 0.0 | 0 | - | 0.0 | 0.0 | 0 | - | 0.0 | 0.0 | 100 | - | 100.0 | 0.1 | 0 | -100.0 | - | 0.0 |
| **Thailand** | 0 | - | - | 0.0 | 1000 | - | 100.0 | 0.9 | 0 | -100.0 | 0.0 | 0.0 | 0 | - | 0.0 | 0.0 | 0 | - | - | 0.0 |
| **Total Producers** | 0 | - | - | 0.0 | 1000 | - | 100.0 | 0.9 | 100 | -90.0 | 100.0 | 0.1 | 100 | 0.0 | 100.0 | 0.1 | 0 | -100.0 | - | 0.0 |
| **World** | 102676 | - | - | - | 106800 | 4.0 | - | - | 150474 | 40.9 | - | - | 97902 | -34.9 | - | - | 128085 | 30.8 | - | - |

BY VALUE

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World |
| **India** | 0 | - | - | 0.0 | 0 | - | 0.0 | 0.0 | 63 | - | 100.0 | 0.1 | 0 | -100.0 | 0.0 | 0.0 | 0 | - | - | 0.0 |
| **Indonesia** | 0 | - | - | 0.0 | 0 | - | 0.0 | 0.0 | 0 | - | 0.0 | 0.0 | 21 | - | 100.0 | 0.1 | 0 | -100.0 | - | 0.0 |
| **Thailand** | 0 | - | - | 0.0 | 649 | - | 100.0 | 1.9 | 0 | -100.0 | 0.0 | 0.0 | 0 | - | 0.0 | 0.0 | 0 | - | - | 0.0 |
| **Total Producers** | 0 | - | - | 0.0 | 649 | - | 100.0 | 1.9 | 63 | -90.3 | 100.0 | 0.1 | 21 | -66.7 | 100.0 | 0.1 | 0 | -100.0 | - | 0.0 |
| **World** | 32313 | - | - | - | 34051 | 5.4 | - | - | 52980 | 55.6 | - | - | 31656 | -40.2 | - | - | 35880 | 13.3 | - | - |

# Table 1-3. Production and Trade of Reconstituted Panels, Wood Pulp and Paper by Major ITTO Producers, 1998-2002

**WOOD PULP, OF WHICH - CHEMICAL, OF WHICH: SULPHITE BLEACHED - PRODUCTION**

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Weight (mt) | %Chng | %Prod | World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World |
| **Brazil** | 20000 | - | 48.8 | 0.5 | 22000 | 10.0 | 51.2 | 0.6 | 21000 | -4.5 | 33.9 | 0.5 | 25000 | 19.0 | 37.9 | 0.6 | 25000 | 0.0 | 37.9 | 0.6 |
| **India** | 0 | - | 0.0 | 0.0 | 0 | - | 0.0 | 0.0 | 20000 | - | 32.3 | 0.5 | 20000 | 0.0 | 30.3 | 0.5 | 20000 | 0.0 | 30.3 | 0.5 |
| **Indonesia** | 20000 [I] | - | 48.8 | 0.5 | 20000 [I] | 0.0 | 46.5 | 0.5 | 20000 [I] | 0.0 | 32.3 | 0.5 | 20000 [I] | 0.0 | 30.3 | 0.5 | 20000 [I] | 0.0 | 30.3 | 0.5 |
| **Honduras** | 1000 | - | 2.4 | 0.0 | 1000 | 0.0 | 2.3 | 0.0 | 1000 | 0.0 | 1.6 | 0.0 | 1000 | 0.0 | 1.5 | 0.0 | 1000 | 0.0 | 1.5 | 0.0 |
| **Total Producers** | 41000 [I] | - | 100.0 | 0.9 | 43000 [I] | 4.9 | 100.0 | 1.1 | 62000 [I] | 44.2 | 100.0 | 1.5 | 66000 [I] | 6.5 | 100.0 | 1.7 | 66000 [I] | 0.0 | 100.0 | 1.6 |
| **World** | 4396626 [I] | - | - | - | 3980816 [I] | -9.5 | - | - | 4143466 [I] | 4.1 | - | - | 3943048 [I] | -4.8 | - | - | 4041247 [I] | 2.5 | - | - |

**WOOD PULP, OF WHICH - CHEMICAL, OF WHICH: SULPHITE BLEACHED - IMPORTS** BY WEIGHT

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World |
| **Brazil** | 7400 | - | 24.6 | 0.4 | 16000 | 116.2 | 38.3 | 0.8 | 16000 | 0.0 | 41.2 | 1.0 | 0 | -100.0 | 0.0 | 0.0 | 13700 | - | 42.5 | 0.9 |
| **Indonesia** | 7200 | - | 23.9 | 0.4 | 15700 | 118.1 | 37.6 | 0.8 | 11000 | -29.9 | 28.3 | 0.7 | 13800 | 25.5 | 60.2 | 0.9 | 11800 | -14.5 | 36.6 | 0.8 |
| **Malaysia** | 3200 | - | 10.6 | 0.2 | 3000 | -6.3 | 7.2 | 0.2 | 2300 | -23.3 | 5.9 | 0.1 | 3100 | 34.8 | 13.5 | 0.2 | 3100 | 0.0 | 9.6 | 0.2 |
| **Venezuela** | 3000 | - | 10.0 | 0.2 | 2500 | -16.7 | 6.0 | 0.1 | 1800 | -28.0 | 4.6 | 0.1 | 1700 | -5.6 | 7.4 | 0.1 | 1100 | -35.3 | 3.4 | 0.1 |
| **Thailand** | 2000 | - | 6.6 | 0.1 | 1000 | -50.0 | 2.4 | 0.1 | 3000 | 200.0 | 7.7 | 0.2 | 1000 | -66.7 | 4.4 | 0.1 | 1000 | 0.0 | 3.1 | 0.1 |
| **Total Producers** | 30127 | - | 75.7 | 1.6 | 41730 | 38.5 | 91.5 | 2.2 | 38830 | -6.9 | 87.8 | 2.3 | 22930 | -40.9 | 85.5 | 1.5 | 32204 | 40.4 | 95.3 | 2.1 |
| **World** | 1862697 | - | - | - | 1885658 | 1.2 | - | - | 1673674 | -11.2 | - | - | 1517638 | -9.3 | - | - | 1530992 | 0.9 | - | - |

BY VALUE

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World |
| **Indonesia** | 4785 | - | 27.8 | 0.5 | 8765 | 83.2 | 36.5 | 0.9 | 8410 | -4.1 | 30.3 | 0.8 | 8522 | 1.3 | 59.0 | 1.1 | 7127 | -16.4 | 38.7 | 1.0 |
| **Brazil** | 3722 | - | 21.6 | 0.4 | 8458 | 127.2 | 35.2 | 0.9 | 10509 | 24.2 | 37.9 | 1.0 | 0 | -100.0 | 0.0 | 0.0 | 6948 | - | 37.7 | 1.0 |
| **Malaysia** | 1562 | - | 9.1 | 0.2 | 1836 | 17.5 | 7.6 | 0.2 | 1307 | -28.8 | 4.7 | 0.1 | 2092 | 60.1 | 14.5 | 0.3 | 2092 | 0.0 | 11.4 | 0.3 |
| **Thailand** | 1349 | - | 7.8 | 0.1 | 1264 | -6.3 | 5.3 | 0.1 | 2943 | 132.8 | 10.6 | 0.3 | 732 | -75.1 | 5.1 | 0.1 | 700 | -4.4 | 3.8 | 0.1 |
| **Venezuela** | 1965 | - | 11.4 | 0.2 | 1662 | -15.4 | 6.9 | 0.2 | 1446 | -13.0 | 5.2 | 0.1 | 1152 | -20.3 | 8.0 | 0.2 | 697 | -39.5 | 3.8 | 0.1 |
| **Total Producers** | 17232 | - | 77.7 | 1.9 | 24005 | 39.3 | 91.6 | 2.5 | 27750 | 15.6 | 88.7 | 2.6 | 14432 | -48.0 | 86.6 | 1.9 | 18409 | 27.6 | 95.4 | 2.5 |
| **World** | 926043 | - | - | - | 947928 | 2.4 | - | - | 1059676 | 11.8 | - | - | 759575 | -28.3 | - | - | 723703 | -4.7 | - | - |

**WOOD PULP, OF WHICH - CHEMICAL, OF WHICH: SULPHITE BLEACHED - EXPORTS** BY WEIGHT

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World |
| **Brazil** | 500 | - | 100.0 | 0.0 | 100 | -80.0 | 100.0 | 0.0 | 0 | -100.0 | 0.0 | 0.0 | 0 | - | 0.0 | 0.0 | 14200 | - | 99.6 | 0.9 |
| **Indonesia** | 0 | - | 0.0 | 0.0 | 0 | - | 0.0 | 0.0 | 7800 | - | 94.0 | 0.6 | 2500 | -67.9 | 100.0 | 0.2 | 50 | -98.0 | 0.4 | 0.0 |
| **India** | 0 | - | 0.0 | 0.0 | 0 | - | 0.0 | 0.0 | 500 | - | 6.0 | 0.0 | 0 | -100.0 | 0.0 | 0.0 | 0 | - | 0.0 | 0.0 |
| **Total Producers** | 500 | - | 100.0 | 0.0 | 100 | -80.0 | 100.0 | 0.0 | 8300 | 8200.0 | 100.0 | 0.6 | 2500 | -69.9 | 100.0 | 0.2 | 14250 | 470.0 | 100.0 | 0.9 |
| **World** | 1502518 | - | - | - | 1482515 | -1.3 | - | - | 1401410 | -5.5 | - | - | 1411838 | 0.7 | - | - | 1530961 | 8.4 | - | - |

BY VALUE

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World |
| **Brazil** | 209 | - | 99.5 | 0.0 | 40 | -80.9 | 97.6 | 0.0 | 0 | -100.0 | 0.0 | 0.0 | 0 | - | 0.0 | 0.0 | 6379 | - | 98.4 | 1.0 |
| **Indonesia** | 0 | - | 0.0 | 0.0 | 0 | - | 0.0 | 0.0 | 4583 | - | 95.9 | 0.6 | 364 | -92.1 | 100.0 | 0.1 | 105 | -71.2 | 1.6 | 0.0 |
| **India** | 0 | - | 0.0 | 0.0 | 0 | - | 0.0 | 0.0 | 198 | - | 4.1 | 0.0 | 0 | -100.0 | 0.0 | 0.0 | 0 | - | 0.0 | 0.0 |
| **Thailand** | 1 | - | 0.5 | 0.0 | 1 | 0.0 | 2.4 | 0.0 | 0 | -100.0 | 0.0 | 0.0 | 0 | - | 0.0 | 0.0 | 0 | - | 0.0 | 0.0 |
| **Total Producers** | 210 | - | 100.0 | 0.0 | 41 | -80.5 | 100.0 | 0.0 | 4781 | 11561.0 | 100.0 | 0.6 | 364 | -92.4 | 100.0 | 0.1 | 6484 | 1681.3 | 100.0 | 1.0 |
| **World** | 692224 | - | - | - | 631819 | -8.7 | - | - | 807202 | 27.8 | - | - | 641642 | -20.5 | - | - | 638137 | -0.5 | - | - |

# Table 1-3. Production and Trade of Reconstituted Panels, Wood Pulp and Paper by Major ITTO Producers, 1998-2002

**PAPER & PAPERBOARD - PRODUCTION**

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Vol. (mt) | %Chng | %Prod | World | Vol. (mt) | %Chng | %Prod | %World | Vol. (mt) | %Chng | %Prod | %World | Vol. (mt) | %Chng | %Prod | %World | Vol. (mt) | %Chng | %Prod | %World |
| **Brazil** | 6524000 | - | 31.0 | 2.2 | 6255000 | -4.1 | 27.1 | 2.0 | 6473000 | 3.5 | 28.0 | 2.0 | 7354000 | 13.6 | 30.0 | 2.3 | 7354000 | 0.0 | 30.0 | 2.3 |
| **Indonesia** | 5487000 | - | 26.1 | 1.8 | 6978000 | 27.2 | 30.2 | 2.2 | 6977000 | 0.0 | 30.2 | 2.2 | 6995000 | 0.3 | 28.6 | 2.2 | 6995000 | 0.0 | 28.6 | 2.2 |
| **India** | 3320000 | - | 15.8 | 1.1 | 3845000 | 15.8 | 16.6 | 1.2 | 3673000 | -4.5 | 15.9 | 1.1 | 3973000 | 8.2 | 16.2 | 1.2 | 3973000 | 0.0 | 16.2 | 1.2 |
| **Thailand** | 2367000 | - | 11.2 | 0.8 | 2434000 | 2.8 | 10.5 | 0.8 | 2312000 | -5.0 | 10.0 | 0.7 | 2445000 | 5.8 | 10.0 | 0.8 | 2444000 | 0.0 | 10.0 | 0.8 |
| **Philippines** | 987000 | - | 4.7 | 0.3 | 1010000 | 2.3 | 4.4 | 0.3 | 1107000 | 9.6 | 4.8 | 0.3 | 1056000 | -4.6 | 4.3 | 0.3 | 1056000 | 0.0 | 4.3 | 0.3 |
| ***Malaysia*** | 761000 | - | 3.6 | 0.3 | 859000 | 12.9 | 3.7 | 0.3 | 791000 | -7.9 | 3.4 | 0.2 | 851000 | 7.6 | 3.5 | 0.3 | 851000 | 0.0 | 3.5 | 0.3 |
| ***Colombia*** | 712000 | - | 3.4 | 0.2 | 733000 | 2.9 | 3.2 | 0.2 | 771000 | 5.2 | 3.3 | 0.2 | 771000 | 0.0 | 3.1 | 0.2 | 837000 | 8.6 | 3.4 | 0.3 |
| **Total Producers** | 21061400 [I] | - | 88.7 | 7.0 | 23102800 [I] | 9.7 | 88.8 | 7.3 | 23102600 [I] | 0.0 | 88.9 | 7.1 | 24497000 [I] | 6.0 | 89.1 | 7.6 | 24487000 [I] | 0.0 | 89.1 | 7.5 |
| **World** | 301653059 [I] | - | - | - | 315613120 [I] | 4.6 | - | - | 323829433 [I] | 2.6 | - | - | 320417265 [I] | -1.1 | - | - | 324639745 [I] | 1.3 | - | - |

**PAPER & PAPERBOARD - IMPORTS**

BY WEIGHT

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World |
| **Malaysia** | 820700 | - | 15.9 | 0.9 | 1365200 | 66.3 | 24.1 | 1.4 | 1013300 | -25.8 | 18.7 | 1.0 | 1181300 | 16.6 | 22.0 | 1.2 | 1106800 | -6.3 | 21.0 | 1.2 |
| **India** | 800000 | - | 15.5 | 0.9 | 769000 | -3.9 | 13.6 | 0.8 | 605200 | -21.3 | 11.2 | 0.6 | 570500 | -5.7 | 10.6 | 0.6 | 619600 | 8.6 | 11.7 | 0.7 |
| **Philippines** | 391600 | - | 7.6 | 0.4 | 477300 | 21.9 | 8.4 | 0.5 | 467600 | -2.0 | 8.6 | 0.5 | 533100 | 14.0 | 9.9 | 0.6 | 571200 | 7.1 | 10.8 | 0.6 |
| **Brazil** | 854400 | - | 16.6 | 1.0 | 722700 | -15.4 | 12.8 | 0.7 | 800800 | 10.8 | 14.8 | 0.8 | 598500 | -25.3 | 11.2 | 0.6 | 508800 | -15.0 | 9.6 | 0.5 |
| **Colombia** | 368900 | - | 7.2 | 0.4 | 362800 | -1.7 | 6.4 | 0.4 | 509700 | 40.5 | 9.4 | 0.5 | 330140 | -35.2 | 6.2 | 0.3 | 321300 | -2.7 | 6.1 | 0.3 |
| ***Indonesia*** | *117800* | - | *2.3* | *0.1* | *139000* | *18.0* | *2.5* | *0.1* | *230700* | *66.0* | *4.3* | *0.2* | *234200* | *1.5* | *4.4* | *0.2* | *262400* | *12.0* | *5.0* | *0.3* |
| **Total Producers** | 5145653 | - | 62.9 | 5.9 | 5654392 | 9.9 | 65.4 | 5.8 | 5418447 | -4.2 | 62.7 | 5.5 | 5366660 | -1.0 | 59.9 | 5.6 | 5278721 | -1.6 | 59.3 | 5.6 |
| **World** | 87851188 | - | - | - | 96817072 | 10.2 | - | - | 98538907 | 1.8 | - | - | 95679297 | -2.9 | - | - | 94955046 | -0.8 | - | - |

BY VALUE

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World |
| **Malaysia** | 575429 | - | 15.1 | 0.9 | 729617 | 26.8 | 19.5 | 1.1 | 700867 | -3.9 | 17.8 | 1.0 | 791167 | 12.9 | 20.5 | 1.2 | 718796 | -9.1 | 21.1 | 1.1 |
| **Brazil** | 707884 | - | 18.5 | 1.1 | 555555 | -21.5 | 14.9 | 0.8 | 630994 | 13.6 | 16.0 | 0.9 | 498776 | -21.0 | 12.9 | 0.7 | 396078 | -20.6 | 11.6 | 0.6 |
| **Philippines** | 246060 | - | 6.4 | 0.4 | 257389 | 4.6 | 6.9 | 0.4 | 316698 | 23.0 | 8.0 | 0.4 | 308716 | -2.5 | 8.0 | 0.5 | 293193 | -5.0 | 8.6 | 0.4 |
| **India** | 448750 | - | 11.7 | 0.7 | 399024 | -11.1 | 10.7 | 0.6 | 390937 | -2.0 | 9.9 | 0.6 | 306415 | -21.6 | 8.0 | 0.5 | 264488 | -13.7 | 7.7 | 0.4 |
| **Indonesia** | 142738 | - | 3.7 | 0.2 | 162907 | 14.1 | 4.4 | 0.2 | 213178 | 30.9 | 5.4 | 0.3 | 222488 | 4.4 | 5.8 | 0.3 | 245849 | 10.5 | 7.2 | 0.4 |
| ***Colombia*** | *276408* | - | *7.2* | *0.4* | *243254* | *-12.0* | *6.5* | *0.4* | *256831* | *5.6* | *6.5* | *0.4* | *263399* | *2.6* | *6.8* | *0.4* | *221317* | *-16.0* | *6.5* | *0.3* |
| **Total Producers** | 3820706 | - | 55.5 | 5.8 | 3734280 | -2.3 | 56.4 | 5.6 | 3940682 | 5.5 | 57.2 | 5.6 | 3853811 | -2.2 | 55.2 | 5.7 | 3414293 | -11.4 | 56.2 | 5.2 |
| **World** | 65813894 | - | - | - | 67049336 | 1.9 | - | - | 70595536 | 5.3 | - | - | 67728450 | -4.1 | - | - | 65634468 | -3.1 | - | - |

**PAPER & PAPERBOARD - EXPORTS**

BY WEIGHT

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World |
| **Indonesia** | 2264700 | - | 51.1 | 2.5 | 2923800 | 29.1 | 59.2 | 3.2 | 2716800 | -7.1 | 59.3 | 2.8 | 2315900 | -14.8 | 52.5 | 2.5 | 2348400 | 1.4 | 55.3 | 2.5 |
| **Thailand** | 867100 | - | 19.6 | 1.0 | 903200 | 4.2 | 18.3 | 1.0 | 716600 | -20.7 | 15.6 | 0.7 | 756000 | 5.5 | 17.1 | 0.8 | 787300 | 4.1 | 18.6 | 0.8 |
| **Brazil** | 779800 | - | 17.6 | 0.9 | 530700 | -31.9 | 10.8 | 0.6 | 585240 | 10.3 | 12.8 | 0.6 | 680100 | 16.2 | 15.4 | 0.7 | 452200 | -33.5 | 10.7 | 0.5 |
| **Philippines** | 102700 | - | 2.3 | 0.1 | 77800 | -24.2 | 1.6 | 0.1 | 122300 | 57.2 | 2.7 | 0.1 | 136900 | 11.9 | 3.1 | 0.1 | 171400 | 25.2 | 4.0 | 0.2 |
| **Malaysia** | 97500 | - | 2.2 | 0.1 | 169900 | 74.3 | 3.4 | 0.2 | 139300 | -18.0 | 3.0 | 0.1 | 149300 | 7.2 | 3.4 | 0.2 | 149300 | 0.0 | 3.5 | 0.2 |
| ***Colombia*** | *75900* | - | *1.7* | *0.1* | *84600* | *11.5* | *1.7* | *0.1* | *129800* | *53.4* | *2.8* | *0.1* | *110400* | *-14.9* | *2.5* | *0.1* | *118700* | *7.5* | *2.8* | *0.1* |
| ***India*** | *25400* | - | *0.6* | *0.0* | *85700* | *237.4* | *1.7* | *0.1* | *28600* | *-66.6* | *0.6* | *0.0* | *99700* | *248.6* | *2.3* | *0.1* | *100800* | *1.1* | *2.4* | *0.1* |
| **Total Producers** | 4430517 | - | 92.8 | 4.9 | 4935380 | 11.4 | 93.3 | 5.3 | 4583220 | -7.1 | 93.4 | 4.7 | 4408640 | -3.8 | 91.6 | 4.7 | 4243963 | -3.7 | 92.1 | 4.4 |
| **World** | 89704846 | - | - | - | 92610290 | 3.2 | - | - | 97716272 | 5.5 | - | - | 93255661 | -4.6 | - | - | 95420675 | 2.3 | - | - |

BY VALUE

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World |
| **Indonesia** | 1152536 | - | 50.5 | 1.7 | 1447351 | 25.6 | 57.5 | 2.2 | 1688475 | 16.7 | 61.5 | 2.4 | 1298491 | -23.1 | 53.5 | 2.0 | 1263208 | -2.7 | 54.2 | 2.0 |
| **Thailand** | 311708 | - | 13.6 | 0.5 | 428208 | 37.4 | 17.0 | 0.7 | 399810 | -6.6 | 14.6 | 0.6 | 368633 | -7.8 | 15.2 | 0.6 | 393101 | 6.6 | 16.9 | 0.6 |
| **Brazil** | 494928 | - | 21.7 | 0.7 | 302428 | -38.9 | 12.0 | 0.5 | 338108 | 11.8 | 12.3 | 0.5 | 346418 | 2.5 | 14.3 | 0.5 | 310941 | -10.2 | 13.3 | 0.5 |
| **Malaysia** | 69565 | - | 3.0 | 0.1 | 105233 | 51.3 | 4.2 | 0.2 | 86657 | -17.7 | 3.2 | 0.1 | 102015 | 17.7 | 4.2 | 0.2 | 102015 | 0.0 | 4.4 | 0.2 |
| **Colombia** | 63118 | - | 2.8 | 0.1 | 61116 | -3.2 | 2.4 | 0.1 | 74700 | 22.2 | 2.7 | 0.1 | 91193 | 22.1 | 3.8 | 0.1 | 76424 | -16.2 | 3.3 | 0.1 |
| ***India*** | *20346* | - | *0.9* | *0.0* | *53448* | *162.7* | *2.1* | *0.1* | *25880* | *-51.6* | *0.9* | *0.0* | *67116* | *159.3* | *2.8* | *0.1* | *66569* | *-0.8* | *2.9* | *0.1* |
| ***Philippines*** | *46639* | - | *2.0* | *0.1* | *33434* | *-28.3* | *1.3* | *0.1* | *58825* | *75.9* | *2.1* | *0.1* | *67490* | *14.7* | *2.8* | *0.1* | *52547* | *-22.1* | *2.3* | *0.1* |
| **Total Producers** | 2283728 | - | 91.6 | 3.4 | 2518768 | 10.3 | 93.1 | 3.9 | 2746985 | 9.1 | 94.2 | 3.9 | 2427989 | -11.6 | 90.9 | 3.8 | 2331776 | -4.0 | 92.0 | 3.6 |
| **World** | 66779785 | - | - | - | 65367524 | -2.1 | - | - | 69644164 | 6.5 | - | - | 64056008 | -8.0 | - | - | 63989289 | -0.1 | - | - |

# Table 1-3. Production and Trade of Reconstituted Panels, Wood Pulp and Paper by Major ITTO Producers, 1998-2002

**PAPER AND PAPERBOARD, OF WHICH: NEWSPRINT - PRODUCTION**

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Weight (mt) | %Chng | %Prod | World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World |
| **India** | 410000 | - | 27.8 | 1.1 | 500000 | 22.0 | 29.3 | 1.3 | 400000 | -20.0 | 21.9 | 1.0 | 700000 | 75.0 | 33.1 | 1.8 | 700000 | 0.0 | 33.0 | 1.9 |
| **Indonesia** | 478000 | - | 32.4 | 1.3 | 532000 | 11.3 | 31.2 | 1.4 | 477000 | -10.3 | 26.1 | 1.2 | 511000 | 7.1 | 24.2 | 1.3 | 511000 | 0.0 | 24.1 | 1.4 |
| **Philippines** | 156000 | - | 10.6 | 0.4 | 174000 | 11.5 | 10.2 | 0.5 | 275000 | 58.0 | 15.1 | 0.7 | 258000 | -6.2 | 12.2 | 0.7 | 258000 | 0.0 | 12.2 | 0.7 |
| **Malaysia** | 2000 | - | 0.1 | 0.0 | 100000 | 4900.0 | 5.9 | 0.3 | 250000 | 150.0 | 13.7 | 0.6 | 250000 | 0.0 | 11.8 | 0.6 | 250000 | 0.0 | 11.8 | 0.7 |
| **Brazil** | 273000 | - | 18.5 | 0.8 | 242000 | -11.4 | 14.2 | 0.6 | 266000 | 9.9 | 14.6 | 0.7 | 230000 | -13.5 | 10.9 | 0.6 | 230000 | 0.0 | 10.9 | 0.6 |
| ***Panama*** | 22000 i | - | 1.5 | 0.1 | 25000 i | 13.6 | 1.5 | 0.1 | 20000 i | -20.0 | 1.1 | 0.1 | 22000 i | 10.0 | 1.0 | 0.1 | 25000 i | 13.6 | 1.2 | 0.1 |
| **Total Producers** | 1473400 i | - | 89.5 | 4.1 | 1707400 i | 15.9 | 90.7 | 4.5 | 1824400 i | 6.9 | 91.4 | 4.6 | 2115900 i | 16.0 | 92.1 | 5.5 | 2118900 i | 0.1 | 92.0 | 5.6 |
| **World** | 36219600 i | - | - | - | 38078400 i | 5.1 | - | - | 39469291 i | 3.7 | - | - | 38655592 i | -2.1 | - | - | 37705306 i | -2.5 | - | - |

**PAPER AND PAPERBOARD, OF WHICH: NEWSPRINT - IMPORTS**

BY WEIGHT

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World |
| **India** | 500000 | - | 30.7 | 2.8 | 498000 | -0.4 | 32.8 | 2.7 | 350000 | -29.7 | 23.5 | 1.8 | 398900 | 14.0 | 27.6 | 2.2 | 441200 | 10.6 | 32.5 | 2.5 |
| **Brazil** | 413000 | - | 25.4 | 2.3 | 378800 | -8.3 | 24.9 | 2.0 | 398000 | 5.1 | 26.7 | 2.1 | 297000 | -25.4 | 20.5 | 1.6 | 250000 | -15.8 | 18.4 | 1.4 |
| **Malaysia** | 198000 | - | 12.2 | 1.1 | 143200 | -27.7 | 9.4 | 0.8 | 134000 | -6.4 | 9.0 | 0.7 | 185000 | 38.1 | 12.8 | 1.0 | 185000 | 0.0 | 13.6 | 1.1 |
| **Venezuela** | 138100 | - | 8.5 | 0.8 | 90400 | -34.5 | 6.0 | 0.5 | 102000 | 12.8 | 6.8 | 0.5 | 122600 | 20.2 | 8.5 | 0.7 | 79000 | -35.6 | 5.8 | 0.4 |
| **Thailand** | 66000 | - | 4.1 | 0.4 | 111000 | 68.2 | 7.3 | 0.6 | 147000 | 32.4 | 9.9 | 0.8 | 135000 | -8.2 | 9.3 | 0.7 | 76000 | -43.7 | 5.6 | 0.4 |
| **Total Producers** | 1629025 | - | 80.7 | 9.0 | 1518518 | -6.8 | 80.4 | 8.1 | 1490807 | -1.8 | 75.9 | 7.9 | 1445500 | -3.0 | 78.8 | 7.9 | 1356030 | -6.2 | 76.0 | 7.7 |
| **World** | 18124551 | - | - | - | 18676741 | 3.0 | - | - | 18981274 | 1.6 | - | - | 18324685 | -3.5 | - | - | 17606248 | -3.9 | - | - |

BY VALUE

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World |
| **India** | 188789 | - | 23.0 | 1.9 | 160999 | -14.7 | 24.0 | 1.6 | 176106 | 9.4 | 23.0 | 1.8 | 192896 | 9.5 | 23.3 | 1.8 | 153770 | -20.3 | 24.2 | 1.7 |
| **Malaysia** | 104420 | - | 12.7 | 1.0 | 66032 | -36.8 | 9.8 | 0.7 | 67399 | 2.1 | 8.8 | 0.7 | 110759 | 64.3 | 13.4 | 1.1 | 110759 | 0.0 | 17.4 | 1.2 |
| **Brazil** | 218686 | - | 26.7 | 2.2 | 170316 | -22.1 | 25.4 | 1.7 | 200876 | 17.9 | 26.3 | 2.0 | 173150 | -13.8 | 20.9 | 1.7 | 108255 | -37.5 | 17.1 | 1.2 |
| **Venezuela** | 84292 | - | 10.3 | 0.8 | 58126 | -31.0 | 8.7 | 0.6 | 64711 | 11.3 | 8.5 | 0.6 | 83551 | 29.1 | 10.1 | 0.8 | 48474 | -42.0 | 7.6 | 0.5 |
| **Thailand** | 30222 | - | 3.7 | 0.3 | 48297 | 59.8 | 7.2 | 0.5 | 83859 | 73.6 | 11.0 | 0.8 | 77200 | -7.9 | 9.3 | 0.7 | 42964 | -44.3 | 6.8 | 0.5 |
| **Total Producers** | 819434 | - | 76.4 | 8.1 | 670602 | -18.2 | 75.1 | 6.8 | 764935 | 14.1 | 77.5 | 7.6 | 826935 | 8.1 | 77.1 | 7.9 | 634775 | -23.2 | 73.1 | 7.1 |
| **World** | 10137462 | - | - | - | 9818323 | -3.1 | - | - | 10039797 | 2.3 | - | - | 10483155 | 4.4 | - | - | 8975756 | -14.4 | - | - |

**PAPER AND PAPERBOARD, OF WHICH: NEWSPRINT - EXPORTS**

BY WEIGHT

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World |
| **Indonesia** | 373000 | - | 69.3 | 2.0 | 296100 | -20.6 | 63.9 | 1.6 | 323100 | 9.1 | 65.3 | 1.7 | 332600 | 2.9 | 62.3 | 1.9 | 317200 | -4.6 | 57.8 | 1.8 |
| **Philippines** | 100400 | - | 18.7 | 0.5 | 71600 | -28.7 | 15.4 | 0.4 | 105000 | 46.6 | 21.2 | 0.6 | 132300 | 26.0 | 24.8 | 0.7 | 166000 | 25.5 | 30.2 | 0.9 |
| **Malaysia** | 200 | - | 0.0 | 0.0 | 46800 | 23300.0 | 10.1 | 0.3 | 41000 | -12.4 | 8.3 | 0.2 | 40000 | -2.4 | 7.5 | 0.2 | 40000 | 0.0 | 7.3 | 0.2 |
| **Panama** | 10200 | - | 1.9 | 0.1 | 11000 | 7.8 | 2.4 | 0.1 | 8100 | -26.4 | 1.6 | 0.0 | 10200 | 25.9 | 1.9 | 0.1 | 13800 | 35.3 | 2.5 | 0.1 |
| **India** | 1300 | - | 0.2 | 0.0 | 2700 | 107.7 | 0.6 | 0.0 | 400 | -85.2 | 0.1 | 0.0 | 5000 | 1150.0 | 0.9 | 0.0 | 5000 | 0.0 | 0.9 | 0.0 |
| ***Brazil*** | *16000* | - | *3.0* | *0.1* | *22300* | *39.4* | *4.8* | *0.1* | *14000* | *-37.2* | *2.8* | *0.1* | *8300* | *-40.7* | *1.6* | *0.0* | *1800* | *-78.3* | *0.3* | *0.0* |
| **Total Producers** | 538202 | - | 90.1 | 2.9 | 463700 | -13.8 | 92.3 | 2.5 | 494800 | 6.7 | 96.5 | 2.6 | 533500 | 7.8 | 97.5 | 3.0 | 548966 | 2.9 | 98.7 | 3.0 |
| **World** | 18380663 | - | - | - | 18518192 | 0.7 | - | - | 18680427 | 0.9 | - | - | 17867183 | -4.4 | - | - | 18108629 | 1.4 | - | - |

BY VALUE

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World |
| **Indonesia** | 128510 | - | 63.9 | 1.3 | 125902 | -2.0 | 65.2 | 1.3 | 164754 | 30.9 | 64.9 | 1.7 | 183589 | 11.4 | 64.7 | 1.9 | 126235 | -31.2 | 60.9 | 1.5 |
| **Philippines** | 43380 | - | 21.6 | 0.4 | 29004 | -33.1 | 15.0 | 0.3 | 53101 | 83.1 | 20.9 | 0.6 | 64529 | 21.5 | 22.8 | 0.7 | 49102 | -23.9 | 23.7 | 0.6 |
| **Malaysia** | 133 | - | 0.1 | 0.0 | 18940 | 14140.6 | 9.8 | 0.2 | 23459 | 23.9 | 9.2 | 0.2 | 22007 | -6.2 | 7.8 | 0.2 | 22007 | 0.0 | 10.6 | 0.3 |
| **Panama** | 3877 | - | 1.9 | 0.0 | 2715 | -30.0 | 1.4 | 0.0 | 3548 | 30.7 | 1.4 | 0.0 | 3164 | -10.8 | 1.1 | 0.0 | 3512 | 11.0 | 1.7 | 0.0 |
| **India** | 655 | - | 0.3 | 0.0 | 1161 | 77.3 | 0.6 | 0.0 | 236 | -79.7 | 0.1 | 0.0 | 2964 | 1155.9 | 1.0 | 0.0 | 2964 | 0.0 | 1.4 | 0.0 |
| ***Brazil*** | *8607* | - | *4.3* | *0.1* | *9855* | *14.5* | *5.1* | *0.1* | *7296* | *-26.0* | *2.9* | *0.1* | *4943* | *-32.3* | *1.7* | *0.1* | *903* | *-81.7* | *0.4* | *0.0* |
| **Total Producers** | 201139 | - | 87.8 | 2.0 | 192996 | -4.0 | 92.1 | 2.1 | 254036 | 31.6 | 96.5 | 2.6 | 283637 | 11.7 | 97.4 | 2.9 | 207240 | -26.9 | 98.3 | 2.4 |
| **World** | 9968391 | - | - | - | 9382616 | -5.9 | - | - | 9605392 | 2.4 | - | - | 9704569 | 1.0 | - | - | 8542708 | -12.0 | - | - |

# Table 1-3. Production and Trade of Reconstituted Panels, Wood Pulp and Paper by Major ITTO Producers, 1998-2002

**PAPER AND PAPERBOARD, OF WHICH: PRINTING AND WRITING PAPER - PRODUCTION**

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Weight (mt) | %Chng | %Prod | World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World |
| **Indonesia** | 1855000 | - | 28.2 | 2.1 | 2733000 | 47.3 | 35.0 | 2.9 | 2818000 | 3.1 | 35.3 | 2.9 | 2697000 | -4.3 | 33.7 | 2.8 | 2697000 | 0.0 | 33.6 | 2.8 |
| **Brazil** | 1966000 | - | 29.9 | 2.2 | 2070000 | 5.3 | 26.5 | 2.2 | 2100000 | 1.4 | 26.3 | 2.1 | 2150000 | 2.4 | 26.9 | 2.3 | 2150000 | 0.0 | 26.8 | 2.2 |
| **India** | 1280000 | - | 19.5 | 1.4 | 1510000 | 18.0 | 19.3 | 1.6 | 1530000 | 1.3 | 19.2 | 1.6 | 1530000 | 0.0 | 19.1 | 1.6 | 1530000 | 0.0 | 19.1 | 1.6 |
| **Thailand** | 623000 | - | 9.5 | 0.7 | 612000 | -1.8 | 7.8 | 0.6 | 548000 | -10.5 | 6.9 | 0.6 | 638000 | 16.4 | 8.0 | 0.7 | 638000 | 0.0 | 8.0 | 0.7 |
| **Philippines** | 296000 | - | 4.5 | 0.3 | 296000 | 0.0 | 3.8 | 0.3 | 296000 | 0.0 | 3.7 | 0.3 | 296000 | 0.0 | 3.7 | 0.3 | 296000 | 0.0 | 3.7 | 0.3 |
| ***Colombia*** | 208000 | - | 3.2 | 0.2 | 233000 | 12.0 | 3.0 | 0.2 | 241000 | 3.4 | 3.0 | 0.2 | 252000 | 4.6 | 3.1 | 0.3 | 272000 | 7.9 | 3.4 | 0.3 |
| ***Malaysia*** | 123000 | - | 1.9 | 0.1 | 123000 | 0.0 | 1.6 | 0.1 | 123000 | 0.0 | 1.5 | 0.1 | 123000 | 0.0 | 1.5 | 0.1 | 123000 | 0.0 | 1.5 | 0.1 |
| **Total Producers** | 6580000 | - | 91.5 | 7.4 | 7804000 | 18.6 | 92.5 | 8.3 | 7976000 | 2.2 | 91.4 | 8.1 | 8002800 | 0.3 | 91.4 | 8.4 | 8022800 | 0.2 | 91.1 | 8.3 |
| **World** | 88857982 | - | - | - | 94258323 | 6.1 | - | - | 98248784 | 4.2 | - | - | 95049993 | -3.3 | - | - | 96878583 | 1.9 | - | - |

**PAPER AND PAPERBOARD, OF WHICH: PRINTING AND WRITING PAPER - IMPORTS** BY WEIGHT

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World |
| **Malaysia** | 223700 | - | 19.8 | 0.7 | 580000 | 159.3 | 33.7 | 1.6 | 315900 | -45.5 | 20.0 | 0.8 | 327600 | 3.7 | 22.4 | 0.9 | 263200 | -19.7 | 18.9 | 0.7 |
| **Brazil** | 48000 | - | 4.3 | 0.1 | 210900 | 339.4 | 12.2 | 0.6 | 255600 | 21.2 | 16.2 | 0.7 | 203900 | -20.2 | 13.9 | 0.6 | 191600 | -6.0 | 13.8 | 0.5 |
| **Philippines** | 84000 | - | 7.4 | 0.3 | 156500 | 86.3 | 9.1 | 0.4 | 126000 | -19.5 | 8.0 | 0.3 | 158400 | 25.7 | 10.8 | 0.4 | 122000 | -23.0 | 8.8 | 0.3 |
| **Peru** | 32000 | - | 2.8 | 0.1 | 63000 | 96.9 | 3.7 | 0.2 | 83000 | 31.7 | 5.3 | 0.2 | 67000 | -19.3 | 4.6 | 0.2 | 112000 | 67.2 | 8.0 | 0.3 |
| **Colombia** | 100000 | - | 8.9 | 0.3 | 75600 | -24.4 | 4.4 | 0.2 | 155900 | 106.2 | 9.9 | 0.4 | 90600 | -41.9 | 6.2 | 0.2 | 97700 | 7.8 | 7.0 | 0.3 |
| ***Indonesia*** | *48200* | - | *4.3* | *0.2* | *32600* | *-32.4* | *1.9* | *0.1* | *52800* | *62.0* | *3.4* | *0.1* | *45000* | *-14.8* | *3.1* | *0.1* | *82100* | *82.4* | *5.9* | *0.2* |
| **Total Producers** | 1128872 | - | 43.2 | 3.5 | 1721901 | 52.5 | 63.1 | 4.9 | 1575727 | -8.5 | 59.4 | 4.2 | 1465527 | -7.0 | 57.8 | 4.0 | 1391964 | -5.0 | 56.5 | 3.8 |
| **World** | 32087710 | - | - | - | 35279654 | 9.9 | - | - | 37869278 | 7.3 | - | - | 36351946 | -4.0 | - | - | 36548865 | 0.5 | - | - |

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World |
| **Malaysia** | 177570 | - | 17.6 | 0.7 | 256998 | 44.7 | 20.7 | 0.9 | 243929 | -5.1 | 18.3 | 0.8 | 261619 | 7.3 | 21.2 | 0.9 | 204549 | -21.8 | 18.5 | 0.7 |
| **Brazil** | 44555 | - | 4.4 | 0.2 | 182737 | 310.1 | 14.7 | 0.7 | 230015 | 25.9 | 17.2 | 0.7 | 182708 | -20.6 | 14.8 | 0.6 | 169531 | -7.2 | 15.3 | 0.6 |
| **Peru** | 31341 | - | 3.1 | 0.1 | 49978 | 59.5 | 4.0 | 0.2 | 76586 | 53.2 | 5.7 | 0.2 | 60051 | -21.6 | 4.9 | 0.2 | 88496 | 47.4 | 8.0 | 0.3 |
| **Colombia** | 102483 | - | 10.1 | 0.4 | 74450 | -27.4 | 6.0 | 0.3 | 97108 | 30.4 | 7.3 | 0.3 | 91103 | -6.2 | 7.4 | 0.3 | 86793 | -4.7 | 7.9 | 0.3 |
| **Indonesia** | 70035 | - | 6.9 | 0.3 | 55072 | -21.4 | 4.4 | 0.2 | 48534 | -11.9 | 3.6 | 0.2 | 55727 | 14.8 | 4.5 | 0.2 | 79721 | 43.1 | 7.2 | 0.3 |
| ***Philippines*** | *68660* | - | *6.8* | *0.3* | *102137* | *48.8* | *8.2* | *0.4* | *115023* | *12.6* | *8.6* | *0.4* | *114565* | *-0.4* | *9.3* | *0.4* | *78710* | *-31.3* | *7.1* | *0.3* |
| **Total Producers** | 1011624 | - | 42.1 | 3.7 | 1243825 | 23.0 | 49.8 | 4.5 | 1335785 | 7.4 | 52.1 | 4.3 | 1234506 | -7.6 | 52.8 | 4.2 | 1105254 | -10.5 | 56.9 | 3.8 |
| **World** | 27058109 | - | - | - | 27651206 | 2.2 | - | - | 31035819 | 12.2 | - | - | 29240454 | -5.8 | - | - | 28842641 | -1.4 | - | - |

**PAPER AND PAPERBOARD, OF WHICH: PRINTING AND WRITING PAPER - EXPORTS** BY WEIGHT

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World |
| **Indonesia** | 1512000 | - | 67.1 | 4.6 | 1937800 | 28.2 | 73.5 | 5.5 | 1714000 | -11.5 | 72.9 | 4.5 | 1479800 | -13.7 | 69.2 | 4.1 | 1488300 | 0.6 | 70.2 | 3.9 |
| **Thailand** | 96700 | - | 4.3 | 0.3 | 366000 | 278.5 | 13.9 | 1.0 | 297000 | -18.9 | 12.6 | 0.8 | 311000 | 4.7 | 14.6 | 0.9 | 305600 | -1.7 | 14.4 | 0.8 |
| **Brazil** | 453000 | - | 20.1 | 1.4 | 88400 | -80.5 | 3.4 | 0.3 | 138240 | 56.4 | 5.9 | 0.4 | 122000 | -11.7 | 5.7 | 0.3 | 96300 | -21.1 | 4.5 | 0.3 |
| **Malaysia** | 56300 | - | 2.5 | 0.2 | 74000 | 31.4 | 2.8 | 0.2 | 74000 | 0.0 | 3.1 | 0.2 | 74000 | 0.0 | 3.5 | 0.2 | 74000 | 0.0 | 3.5 | 0.2 |
| **India** | 14100 | - | 0.6 | 0.0 | 65000 | 361.0 | 2.5 | 0.2 | 17200 | -73.5 | 0.7 | 0.0 | 69400 | 303.5 | 3.2 | 0.2 | 68900 | -0.7 | 3.3 | 0.2 |
| ***Colombia*** | *49100* | - | *2.2* | *0.1* | *46200* | *-5.9* | *1.8* | *0.1* | *65000* | *40.7* | *2.8* | *0.2* | *55800* | *-14.2* | *2.6* | *0.2* | *59100* | *5.9* | *2.8* | *0.2* |
| ***Philippines*** | *300* | - | *0.0* | *0.0* | *3200* | *966.7* | *0.1* | *0.0* | *100* | *-96.9* | *0.0* | *0.0* | *100* | *0.0* | *0.0* | *0.0* | *300* | *200.0* | *0.0* | *0.0* |
| **Total Producers** | 2252065 | - | 94.7 | 6.8 | 2635780 | 17.0 | 96.0 | 7.5 | 2352520 | -10.7 | 95.2 | 6.2 | 2136980 | -9.2 | 96.2 | 5.9 | 2118757 | -0.9 | 96.0 | 5.5 |
| **World** | 32942701 | - | - | - | 34966149 | 6.1 | - | - | 38228031 | 9.3 | - | - | 36304007 | -5.0 | - | - | 38240923 | 5.3 | - | - |

BY VALUE

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World |
| **Indonesia** | 886723 | - | 65.5 | 3.2 | 1084324 | 22.3 | 71.1 | 3.9 | 1238422 | 14.2 | 73.6 | 4.0 | 922902 | -25.5 | 67.5 | 3.3 | 930146 | 0.8 | 66.7 | 3.2 |
| **Thailand** | 41001 | - | 3.0 | 0.1 | 243644 | 494.2 | 16.0 | 0.9 | 231902 | -4.8 | 13.8 | 0.8 | 223301 | -3.7 | 16.3 | 0.8 | 216651 | -3.0 | 15.5 | 0.7 |
| **Brazil** | 305903 | - | 22.6 | 1.1 | 63431 | -79.3 | 4.2 | 0.2 | 100761 | 58.9 | 6.0 | 0.3 | 89378 | -11.3 | 6.5 | 0.3 | 115093 | 28.8 | 8.3 | 0.4 |
| **Colombia** | 37654 | - | 2.8 | 0.1 | 32270 | -14.3 | 2.1 | 0.1 | 34009 | 5.4 | 2.0 | 0.1 | 42450 | 24.8 | 3.1 | 0.2 | 44865 | 5.7 | 3.2 | 0.2 |
| **India** | 10625 | - | 0.8 | 0.0 | 40000 | 276.5 | 2.6 | 0.1 | 14978 | -62.6 | 0.9 | 0.0 | 38537 | 157.3 | 2.8 | 0.1 | 37816 | -1.9 | 2.7 | 0.1 |
| ***Malaysia*** | *34614* | - | *2.6* | *0.1* | *34711* | *0.3* | *2.3* | *0.1* | *34711* | *0.0* | *2.1* | *0.1* | *34711* | *0.0* | *2.5* | *0.1* | *34711* | *0.0* | *2.5* | *0.1* |
| ***Philippines*** | *820* | - | *0.1* | *0.0* | *1812* | *121.0* | *0.1* | *0.0* | *240* | *-86.8* | *0.0* | *0.0* | *364* | *51.7* | *0.0* | *0.0* | *260* | *-28.6* | *0.0* | *0.0* |
| **Total Producers** | 1352851 | - | 94.8 | 4.9 | 1524435 | 12.7 | 96.0 | 5.4 | 1683619 | 10.4 | 96.2 | 5.5 | 1367002 | -18.8 | 96.3 | 4.9 | 1394875 | 2.0 | 96.4 | 4.8 |
| **World** | 27602917 | - | - | - | 28098739 | 1.8 | - | - | 30878639 | 9.9 | - | - | 28106862 | -9.0 | - | - | 29303518 | 4.3 | - | - |

# Table 1-3. Production and Trade of Reconstituted Panels, Wood Pulp and Paper by Major ITTO Producers, 1998-2002

**PAPER AND PAPERBOARD, OF WHICH: OTHER PAPER AND PAPERBOARD - PRODUCTION**

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Weight (mt) | %Chng | %Prod | World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World |
| **Brazil** | 4285000 | - | 32.9 | 2.4 | 3943000 | -8.0 | 29.0 | 2.2 | 4107000 | 4.2 | 30.9 | 2.2 | 4974000 | 21.1 | 34.6 | 2.7 | 4974000 | 0.0 | 34.7 | 2.6 |
| **Indonesia** | 3154000 | - | 24.2 | 1.8 | 3713000 | 17.7 | 27.3 | 2.0 | 3682000 | -0.8 | 27.7 | 2.0 | 3787000 | 2.9 | 26.3 | 2.0 | 3787000 | 0.0 | 26.4 | 2.0 |
| **India** | 1630000 | - | 12.5 | 0.9 | 1835000 | 12.6 | 13.5 | 1.0 | 1743000 | -5.0 | 13.1 | 0.9 | 1743000 | 0.0 | 12.1 | 0.9 | 1743000 | 0.0 | 12.2 | 0.9 |
| **Thailand** | 1626000 | - | 12.5 | 0.9 | 1702000 | 4.7 | 12.5 | 0.9 | 1642000 | -3.5 | 12.3 | 0.9 | 1681000 | 2.4 | 11.7 | 0.9 | 1680000 | -0.1 | 11.7 | 0.9 |
| **Colombia** | 504000 | - | 3.9 | 0.3 | 500000 | -0.8 | 3.7 | 0.3 | 530000 | 6.0 | 4.0 | 0.3 | 519000 | -2.1 | 3.6 | 0.3 | 565000 | 8.9 | 3.9 | 0.3 |
| ***Malaysia*** | *636000* | - | *4.9* | *0.4* | *636000* | *0.0* | *4.7* | *0.3* | *418000* | *-34.3* | *3.1* | *0.2* | *478000* | *14.4* | *3.3* | *0.3* | *478000* | *0.0* | *3.3* | *0.3* |
| **Total Producers** | 13008000 [I] | - | 86.1 | 7.4 | 13591400 [I] | 4.5 | 86.0 | 7.4 | 13302200 [I] | -2.1 | 88.0 | 7.1 | 14378300 [I] | 8.1 | 88.4 | 7.7 | 14345300 [I] | -0.2 | 88.9 | 7.5 |
| **World** | 176575477 [I] | - | - | - | 183276397 [I] | 3.8 | - | - | 186111358 [I] | 1.5 | - | - | 186711680 [I] | 0.3 | - | - | 190055856 [I] | 1.8 | - | - |

0.377159212

**PAPER AND PAPERBOARD, OF WHICH: OTHER PAPER AND PAPERBOARD - IMPORTS**

BY WEIGHT

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World |
| **Malaysia** | 399000 | - | 16.7 | 1.1 | 642000 | 60.9 | 26.6 | 1.5 | 563400 | -12.2 | 24.0 | 1.4 | 668700 | 18.7 | 27.2 | 1.6 | 658600 | -1.5 | 26.0 | 1.6 |
| **Philippines** | 304300 | - | 12.7 | 0.8 | 319000 | 4.8 | 13.2 | 0.7 | 338600 | 6.1 | 14.4 | 0.8 | 373000 | 10.2 | 15.2 | 0.9 | 435300 | 16.7 | 17.2 | 1.1 |
| **Guatemala** | 98200 | - | 4.1 | 0.3 | 92200 | -6.1 | 3.8 | 0.2 | 124000 | 34.5 | 5.3 | 0.3 | 146600 | 18.2 | 6.0 | 0.4 | 179540 | 22.5 | 7.1 | 0.4 |
| **Indonesia** | 66000 | - | 2.8 | 0.2 | 105300 | 59.5 | 4.4 | 0.2 | 174100 | 65.3 | 7.4 | 0.4 | 185000 | 6.3 | 7.5 | 0.5 | 179400 | -3.0 | 7.1 | 0.4 |
| **Colombia** | 183800 | - | 7.7 | 0.5 | 212200 | 15.5 | 8.8 | 0.5 | 228800 | 7.8 | 9.7 | 0.5 | 170540 | -25.5 | 6.9 | 0.4 | 157600 | -7.6 | 6.2 | 0.4 |
| ***Thailand*** | *91000* | - | *3.8* | *0.2* | *132000* | *45.1* | *5.5* | *0.3* | *149000* | *12.9* | *6.3* | *0.4* | *153000* | *2.7* | *6.2* | *0.4* | *143300* | *-6.3* | *5.7* | *0.4* |
| ***Brazil*** | *393400* | - | *16.5* | *1.0* | *133000* | *-66.2* | *5.5* | *0.3* | *147200* | *10.7* | *6.3* | *0.4* | *97600* | *-33.7* | *4.0* | *0.2* | *67200* | *-31.1* | *2.7* | *0.2* |
| **Total Producers** | 2387756 | - | 44.0 | 6.3 | 2413973 | 1.1 | 56.8 | 5.6 | 2351913 | -2.6 | 60.8 | 5.6 | 2455633 | 4.4 | 62.9 | 6.0 | 2530727 | 3.1 | 63.6 | 6.2 |
| **World** | 37638927 | - | - | - | 42860677 | 13.9 | - | - | 41688355 | -2.7 | - | - | 41002666 | -1.6 | - | - | 40799933 | -0.5 | - | - |

BY VALUE

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World |
| **Malaysia** | 293439 | - | 14.7 | 1.0 | 406587 | 38.6 | 22.3 | 1.4 | 389539 | -4.2 | 21.2 | 1.3 | 418789 | 7.5 | 23.4 | 1.5 | 403488 | -3.7 | 24.1 | 1.5 |
| **Philippines** | 175830 | - | 8.8 | 0.6 | 154456 | -12.2 | 8.5 | 0.5 | 200254 | 29.7 | 10.9 | 0.7 | 193494 | -3.4 | 10.8 | 0.7 | 208951 | 8.0 | 12.5 | 0.8 |
| **Indonesia** | 70868 | - | 3.6 | 0.2 | 107385 | 51.5 | 5.9 | 0.4 | 163119 | 51.9 | 8.9 | 0.6 | 164708 | 1.0 | 9.2 | 0.6 | 165592 | 0.5 | 9.9 | 0.6 |
| **Thailand** | 148215 | - | 7.4 | 0.5 | 202252 | 36.5 | 11.1 | 0.7 | 227482 | 12.5 | 12.4 | 0.8 | 216231 | -4.9 | 12.1 | 0.8 | 160964 | -25.6 | 9.6 | 0.6 |
| **Brazil** | 444643 | - | 22.3 | 1.6 | 202502 | -54.5 | 11.1 | 0.7 | 200103 | -1.2 | 10.9 | 0.7 | 142918 | -28.6 | 8.0 | 0.5 | 118292 | -17.2 | 7.1 | 0.4 |
| ***Guatemala*** | *66180* | - | *3.3* | *0.2* | *51776* | *-21.8* | *2.8* | *0.2* | *84709* | *63.6* | *4.6* | *0.3* | *84699* | *0.0* | *4.7* | *0.3* | *104539* | *23.4* | *6.2* | *0.4* |
| ***Colombia*** | *119422* | - | *6.0* | *0.4* | *123308* | *3.3* | *6.8* | *0.4* | *112758* | *-8.6* | *6.1* | *0.4* | *126318* | *12.0* | *7.0* | *0.5* | *95347* | *-24.5* | *5.7* | *0.3* |
| **Total Producers** | 1989648 | - | 56.9 | 7.0 | 1819853 | -8.5 | 59.0 | 6.2 | 1839962 | 1.1 | 64.2 | 6.2 | 1792370 | -2.6 | 63.4 | 6.4 | 1674264 | -6.6 | 63.1 | 6.0 |
| **World** | 28618323 | - | - | - | 29579807 | 3.4 | - | - | 29519920 | -0.2 | - | - | 28004841 | -5.1 | - | - | 27816071 | -0.7 | - | - |

**PAPER AND PAPERBOARD, OF WHICH: OTHER PAPER AND PAPERBOARD - EXPORTS**

BY WEIGHT

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World |
| **Indonesia** | 379700 | - | 23.1 | 1.0 | 689900 | 81.7 | 37.6 | 1.8 | 679700 | -1.5 | 39.2 | 1.7 | 503500 | -25.9 | 29.0 | 1.3 | 542900 | 7.8 | 34.4 | 1.4 |
| **Thailand** | 733400 | - | 44.7 | 1.9 | 524200 | -28.5 | 28.6 | 1.3 | 416600 | -20.5 | 24.0 | 1.0 | 440000 | 5.6 | 25.3 | 1.1 | 476700 | 8.3 | 30.2 | 1.2 |
| **Brazil** | 310800 | - | 18.9 | 0.8 | 420000 | 35.1 | 22.9 | 1.1 | 433000 | 3.1 | 24.9 | 1.1 | 549800 | 27.0 | 31.6 | 1.4 | 354100 | -35.6 | 22.5 | 0.9 |
| **Colombia** | 26800 | - | 1.6 | 0.1 | 38400 | 43.3 | 2.1 | 0.1 | 64800 | 68.8 | 3.7 | 0.2 | 54600 | -15.7 | 3.1 | 0.1 | 59600 | 9.2 | 3.8 | 0.2 |
| **Malaysia** | 41000 | - | 2.5 | 0.1 | 49100 | 19.8 | 2.7 | 0.1 | 24300 | -50.5 | 1.4 | 0.1 | 35300 | 45.3 | 2.0 | 0.1 | 35300 | 0.0 | 2.2 | 0.1 |
| ***India*** | *10000* | - | *0.6* | *0.0* | *18000* | *80.0* | *1.0* | *0.0* | *11000* | *-38.9* | *0.6* | *0.0* | *25300* | *130.0* | *1.5* | *0.1* | *26900* | *6.3* | *1.7* | *0.1* |
| **Total Producers** | 1640250 | - | 90.9 | 4.3 | 1835900 | 11.9 | 93.8 | 4.7 | 1735900 | -5.4 | 93.2 | 4.3 | 1738160 | 0.1 | 91.1 | 4.4 | 1576240 | -9.3 | 93.2 | 4.0 |
| **World** | 38381482 | - | - | - | 39125949 | 1.9 | - | - | 40807814 | 4.3 | - | - | 39084471 | -4.2 | - | - | 39071123 | 0.0 | - | - |

BY VALUE

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World |
| **Indonesia** | 137303 | - | 18.8 | 0.5 | 237125 | 72.7 | 29.6 | 0.9 | 285299 | 20.3 | 35.3 | 1.0 | 192000 | -32.7 | 24.7 | 0.7 | 206827 | 7.7 | 28.3 | 0.8 |
| **Brazil** | 180418 | - | 24.7 | 0.6 | 229142 | 27.0 | 28.6 | 0.8 | 230051 | 0.4 | 28.4 | 0.8 | 252097 | 9.6 | 32.4 | 1.0 | 194945 | -22.7 | 26.7 | 0.7 |
| **Thailand** | 254819 | - | 34.9 | 0.9 | 179304 | -29.6 | 22.4 | 0.6 | 166341 | -7.2 | 20.6 | 0.6 | 142950 | -14.1 | 18.4 | 0.5 | 174068 | 21.8 | 23.9 | 0.7 |
| **Malaysia** | 34818 | - | 4.8 | 0.1 | 51582 | 48.1 | 6.4 | 0.2 | 28487 | -44.8 | 3.5 | 0.1 | 45297 | 59.0 | 5.8 | 0.2 | 45297 | 0.0 | 6.2 | 0.2 |
| **Colombia** | 25464 | - | 3.5 | 0.1 | 28846 | 13.3 | 3.6 | 0.1 | 40691 | 41.1 | 5.0 | 0.1 | 48743 | 19.8 | 6.3 | 0.2 | 31559 | -35.3 | 4.3 | 0.1 |
| ***India*** | *9066* | - | *1.2* | *0.0* | *12287* | *35.5* | *1.5* | *0.0* | *10666* | *-13.2* | *1.3* | *0.0* | *25615* | *140.2* | *3.3* | *0.1* | *25789* | *0.7* | *3.5* | *0.1* |
| **Total Producers** | 729738 | - | 86.7 | 2.5 | 801337 | 9.8 | 90.6 | 2.9 | 809330 | 1.0 | 92.8 | 2.8 | 777350 | -4.0 | 87.6 | 3.0 | 729661 | -6.1 | 89.5 | 2.8 |
| **World** | 29208477 | - | - | - | 27886169 | -4.5 | - | - | 29160133 | 4.6 | - | - | 26244577 | -10.0 | - | - | 26143063 | -0.4 | - | - |

# Table 1-3. Production and Trade of Reconstituted Panels, Wood Pulp and Paper by Major ITTO Producers, 1998-2002

**PAPER AND PAPERBOARD, OF WHICH - OTHER PAPER AND PAPERBOARD, OF WHICH: HOUSEHOLD AND SANITARY PAPER - PRODUCTION**

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Weight (mt) | %Chng | %Prod | World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World |
| **Brazil** | 576000 | - | 42.8 | 3.0 | 571000 | -0.9 | 41.9 | 2.9 | 597000 | 4.6 | 42.9 | 3.0 | 619000 | 3.7 | 42.9 | 2.9 | 619000 | 0.0 | 45.1 | 2.9 |
| **Indonesia** | 111000 | - | 8.2 | 0.6 | 162000 | 45.9 | 11.9 | 0.8 | 161000 | -0.6 | 11.6 | 0.8 | 175000 | 8.7 | 12.1 | 0.8 | 175000 | 0.0 | 12.7 | 0.8 |
| **Colombia** | 129000 | - | 9.6 | 0.7 | 125000 | -3.1 | 9.2 | 0.6 | 132000 | 5.6 | 9.5 | 0.7 | 129000 | -2.3 | 8.9 | 0.6 | 145000 | 12.4 | 10.6 | 0.7 |
| **Malaysia** | 115000 | - | 8.5 | 0.6 | 115000 | 0.0 | 8.4 | 0.6 | 115000 | 0.0 | 8.3 | 0.6 | 115000 | 0.0 | 8.0 | 0.5 | 115000 | 0.0 | 8.4 | 0.5 |
| **Thailand** | 95000 | - | 7.1 | 0.5 | 72000 | -24.2 | 5.3 | 0.4 | 81000 | 12.5 | 5.8 | 0.4 | 92000 | 13.6 | 6.4 | 0.4 | 91000 | -1.1 | 6.6 | 0.4 |
| ***Venezuela*** | 182000 | - | 13.5 | 0.9 | 175000 | -3.8 | 12.8 | 0.9 | 159000 | -9.1 | 11.4 | 0.8 | 162000 | 1.9 | 11.2 | 0.8 | 82000 | -49.4 | 6.0 | 0.4 |
| ***Peru*** | 38000 I | - | 2.8 | 0.2 | 38000 I | 0.0 | 2.8 | 0.2 | 38000 I | 0.0 | 2.7 | 0.2 | 38000 I | 0.0 | 2.6 | 0.2 | 38000 I | 0.0 | 2.8 | 0.2 |
| **Total Producers** | 1346000 I | - | 76.2 | 7.0 | 1362000 I | 1.2 | 76.7 | 6.8 | 1392000 I | 2.2 | 78.0 | 6.9 | 1442000 I | 3.6 | 78.4 | 6.8 | 1374000 I | -4.7 | 83.3 | 6.4 |
| **World** | 19257128 I | - | - | - | 19943031 I | 3.6 | - | - | 20208494 I | 1.3 | - | - | 21094902 I | 4.4 | - | - | 21328858 I | 1.1 | - | - |

**PAPER AND PAPERBOARD, OF WHICH - OTHER PAPER AND PAPERBOARD, OF WHICH: HOUSEHOLD AND SANITARY PAPER - IMPORTS** BY WEIGHT

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World |
| **Guatemala** | 0 | - | 0.0 | 0.0 | 0 | - | 0.0 | 0.0 | 1300 | - | 2.8 | 0.1 | 2100 | 61.5 | 3.5 | 0.1 | 14363 | 584.0 | 17.6 | 0.8 |
| **Trin. & Tobago** | 9400 | - | 24.0 | 0.7 | 10400 | 10.6 | 20.4 | 0.7 | 10500 | 1.0 | 22.9 | 0.8 | 12900 | 22.9 | 21.3 | 0.8 | 12000 | -7.0 | 14.7 | 0.7 |
| **Thailand** | 2000 | - | 5.1 | 0.2 | 2000 | 0.0 | 3.9 | 0.1 | 2000 | 0.0 | 4.4 | 0.2 | 3000 | 50.0 | 5.0 | 0.2 | 7500 | 150.0 | 9.2 | 0.4 |
| **Ecuador** | 0 | - | 0.0 | 0.0 | 0 | - | 0.0 | 0.0 | 1200 | - | 2.6 | 0.1 | 2300 | 91.7 | 3.8 | 0.1 | 7400 | 221.7 | 9.1 | 0.4 |
| **Colombia** | 7300 | - | 18.7 | 0.6 | 3600 | -50.7 | 7.1 | 0.2 | 6200 | 72.2 | 13.5 | 0.5 | 9700 | 56.5 | 16.0 | 0.6 | 7000 | -27.8 | 8.6 | 0.4 |
| **Total Producers** | 39100 | - | 47.8 | 3.1 | 50930 | 30.3 | 31.4 | 3.4 | 45820 | -10.0 | 46.3 | 3.4 | 60600 | 32.3 | 49.5 | 3.8 | 81540 | 34.6 | 59.2 | 4.8 |
| **World** | 1259831 | - | - | - | 1477882 | 17.3 | - | - | 1328158 | -10.1 | - | - | 1586464 | 19.4 | - | - | 1692753 | 6.7 | - | - |

BY VALUE

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World |
| **Colombia** | 6551 | - | 17.4 | 0.5 | 2575 | -60.7 | 4.2 | 0.2 | 3862 | 50.0 | 9.1 | 0.3 | 10069 | 160.7 | 16.2 | 0.6 | 17168 | 70.5 | 20.2 | 0.9 |
| **Trin. & Tobago** | 8718 | - | 23.1 | 0.6 | 8869 | 1.7 | 14.6 | 0.5 | 6832 | -23.0 | 16.2 | 0.5 | 14506 | 112.3 | 23.3 | 0.9 | 12699 | -12.5 | 14.9 | 0.7 |
| **Guatemala** | 0 | - | 0.0 | 0.0 | 0 | - | 0.0 | 0.0 | 1200 | - | 2.8 | 0.1 | 1769 | 47.4 | 2.8 | 0.1 | 9826 | 455.5 | 11.5 | 0.5 |
| **Thailand** | 1846 | - | 4.9 | 0.1 | 2352 | 27.4 | 3.9 | 0.1 | 1890 | -19.6 | 4.5 | 0.1 | 2960 | 56.6 | 4.8 | 0.2 | 7495 | 153.2 | 8.8 | 0.4 |
| **Ecuador** | 0 | - | 0.0 | 0.0 | 0 | - | 0.0 | 0.0 | 1235 | - | 2.9 | 0.1 | 1775 | 43.7 | 2.9 | 0.1 | 5808 | 227.2 | 6.8 | 0.3 |
| **Total Producers** | 37738 | - | 45.4 | 2.6 | 60680 | 60.8 | 22.7 | 3.7 | 42233 | -30.4 | 35.6 | 3.1 | 62197 | 47.3 | 50.0 | 3.7 | 85172 | 36.9 | 62.2 | 4.6 |
| **World** | 1443080 | - | - | - | 1657845 | 14.9 | - | - | 1380669 | -16.7 | - | - | 1703793 | 23.4 | - | - | 1833175 | 7.6 | - | - |

**PAPER AND PAPERBOARD, OF WHICH - OTHER PAPER AND PAPERBOARD, OF WHICH: HOUSEHOLD AND SANITARY PAPER - EXPORTS** BY WEIGHT

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World |
| **Indonesia** | 45000 | - | 41.0 | 3.1 | 71800 | 59.6 | 51.7 | 4.9 | 78700 | 9.6 | 72.4 | 5.7 | 77400 | -1.7 | 55.8 | 4.9 | 81500 | 5.3 | 60.0 | 4.8 |
| **Brazil** | 10500 | - | 9.6 | 0.7 | 25000 | 138.1 | 18.0 | 1.7 | 10000 | -60.0 | 9.2 | 0.7 | 20900 | 109.0 | 15.1 | 1.3 | 25600 | 22.5 | 18.9 | 1.5 |
| **Colombia** | 10200 | - | 9.3 | 0.7 | 10600 | 3.9 | 7.6 | 0.7 | 13900 | 31.1 | 12.8 | 1.0 | 11800 | -15.1 | 8.5 | 0.7 | 16700 | 41.5 | 12.3 | 1.0 |
| **Peru** | 0 | - | 0.0 | 0.0 | 0 | - | 0.0 | 0.0 | 3000 | - | 2.8 | 0.2 | 10000 | 233.3 | 7.2 | 0.6 | 6000 | -40.0 | 4.4 | 0.4 |
| **Venezuela** | 41600 | - | 37.9 | 2.8 | 30000 | -27.9 | 21.6 | 2.1 | 0 | -100.0 | 0.0 | 0.0 | 17000 | - | 12.3 | 1.1 | 3900 | -77.1 | 2.9 | 0.2 |
| **Total Producers** | 109700 | - | 97.8 | 7.5 | 139000 | 26.7 | 98.8 | 9.5 | 108700 | -21.8 | 97.1 | 7.8 | 138600 | 27.5 | 98.9 | 8.8 | 135784 | -2.0 | 98.5 | 8.0 |
| **World** | 1462267 | - | - | - | 1461776 | 0.0 | - | - | 1386107 | -5.2 | - | - | 1579170 | 13.9 | - | - | 1704024 | 7.9 | - | - |

BY VALUE

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World |
| **Indonesia** | 34823 | - | 37.7 | 2.3 | 53542 | 53.8 | 44.2 | 3.4 | 63900 | 19.3 | 76.8 | 4.1 | 56978 | -10.8 | 52.7 | 3.3 | 59160 | 3.8 | 55.1 | 3.1 |
| **Brazil** | 10615 | - | 11.5 | 0.7 | 34207 | 222.3 | 28.2 | 2.2 | 8361 | -75.6 | 10.0 | 0.5 | 15869 | 89.8 | 14.7 | 0.9 | 24716 | 55.8 | 23.0 | 1.3 |
| **Colombia** | 9240 | - | 10.0 | 0.6 | 8078 | -12.6 | 6.7 | 0.5 | 6723 | -16.8 | 8.1 | 0.4 | 9887 | 47.1 | 9.1 | 0.6 | 11887 | 20.2 | 11.1 | 0.6 |
| **Venezuela** | 35006 | - | 37.9 | 2.3 | 23689 | -32.3 | 19.6 | 1.5 | 0 | -100.0 | 0.0 | 0.0 | 18692 | - | 17.3 | 1.1 | 5203 | -72.2 | 4.8 | 0.3 |
| **Peru** | 0 | - | 0.0 | 0.0 | 0 | - | 0.0 | 0.0 | 1843 | - | 2.2 | 0.1 | 5432 | 194.7 | 5.0 | 0.3 | 4813 | -11.4 | 4.5 | 0.3 |
| **Total Producers** | 92401 | - | 97.1 | 6.1 | 121157 | 31.1 | 98.6 | 7.8 | 83209 | -31.3 | 97.1 | 5.4 | 108125 | 29.9 | 98.8 | 6.3 | 107424 | -0.6 | 98.5 | 5.7 |
| **World** | 1519762 | - | - | - | 1557435 | 2.5 | - | - | 1546712 | -0.7 | - | - | 1717776 | 11.1 | - | - | 1887304 | 9.9 | - | - |

# Table 1-3. Production and Trade of Reconstituted Panels, Wood Pulp and Paper by Major ITTO Producers, 1998-2002

**PAPER AND PAPERBOARD, OF WHICH - OTHER PAPER AND PAPERBOARD, OF WHICH: WRAPPING AND PACKAGING PAPER AND PAPERBOARD - PRODUCTION**

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Weight (mt) | %Chng | %Prod | World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World |
| **Brazil** | 3401000 | - | 31.9 | 2.4 | 3209000 | -5.6 | 27.7 | 2.2 | 3347000 | 4.3 | 29.4 | 2.3 | 3981000 | 18.9 | 32.6 | 2.7 | 3981000 | 0.0 | 32.6 | 2.6 |
| **Indonesia** | 2831000 | - | 26.5 | 2.0 | 3417000 | 20.7 | 29.5 | 2.3 | 3411000 | -0.2 | 29.9 | 2.3 | 3497000 | 2.5 | 28.7 | 2.4 | 3497000 | 0.0 | 28.6 | 2.3 |
| **India** | 1480000 | - | 13.9 | 1.1 | 1675000 | 13.2 | 14.5 | 1.1 | 1694000 | 1.1 | 14.9 | 1.1 | 1694000 | 0.0 | 13.9 | 1.1 | 1694000 | 0.0 | 13.9 | 1.1 |
| **Thailand** | 1285000 | - | 12.0 | 0.9 | 1486000 | 15.6 | 12.8 | 1.0 | 1412000 | -5.0 | 12.4 | 1.0 | 1429000 | 1.2 | 11.7 | 1.0 | 1429000 | 0.0 | 11.7 | 0.9 |
| **Philippines** | 504000 | - | 4.7 | 0.4 | 504000 | 0.0 | 4.4 | 0.3 | 504000 | 0.0 | 4.4 | 0.3 | 470000 | -6.7 | 3.9 | 0.3 | 470000 | 0.0 | 3.8 | 0.3 |
| ***Colombia*** | 347000 | - | 3.3 | 0.2 | 346000 | -0.3 | 3.0 | 0.2 | 366000 | 5.8 | 3.2 | 0.2 | 360000 | -1.6 | 3.0 | 0.2 | 387000 | 7.5 | 3.2 | 0.3 |
| **Total Producers** | 10674000 | - | 89.0 | 7.6 | 11584400 | 8.5 | 88.8 | 7.9 | 11403200 | -1.6 | 90.9 | 7.7 | 12202300 | 7.0 | 90.7 | 8.3 | 12222300 | 0.2 | 90.6 | 8.1 |
| **World** | 140918738 | - | - | - | 145901946 | 3.5 | - | - | 148070929 | 1.5 | - | - | 147605840 | -0.3 | - | - | 150629118 | 2.0 | - | - |

**PAPER AND PAPERBOARD, OF WHICH - OTHER PAPER AND PAPERBOARD, OF WHICH: WRAPPING AND PACKAGING PAPER AND PAPERBOARD - IMPORTS** BY WEIGHT

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World |
| **Malaysia** | 328900 | - | 17.4 | 1.2 | 560700 | 70.5 | 27.9 | 1.8 | 508000 | -9.4 | 26.5 | 1.5 | 601100 | 18.3 | 29.2 | 1.8 | 591000 | -1.7 | 28.9 | 1.7 |
| **Philippines** | 260700 | - | 13.8 | 1.0 | 295900 | 13.5 | 14.7 | 1.0 | 299900 | 1.4 | 15.7 | 0.9 | 330400 | 10.2 | 16.1 | 1.0 | 378000 | 14.4 | 18.5 | 1.1 |
| **Guatemala** | 98200 | - | 5.2 | 0.4 | 92200 | -6.1 | 4.6 | 0.3 | 116700 | 26.6 | 6.1 | 0.3 | 136600 | 17.1 | 6.6 | 0.4 | 156044 | 14.2 | 7.6 | 0.5 |
| **Colombia** | 166400 | - | 8.8 | 0.6 | 198900 | 19.5 | 9.9 | 0.6 | 202100 | 1.6 | 10.6 | 0.6 | 148040 | -26.7 | 7.2 | 0.4 | 144400 | -2.5 | 7.1 | 0.4 |
| **Indonesia** | 54500 | - | 2.9 | 0.2 | 77200 | 41.7 | 3.8 | 0.2 | 138200 | 79.0 | 7.2 | 0.4 | 150700 | 9.0 | 7.3 | 0.4 | 139800 | -7.2 | 6.8 | 0.4 |
| ***Thailand*** | *46000* | - | *2.4* | *0.2* | *91000* | *97.8* | *4.5* | *0.3* | *93000* | *2.2* | *4.9* | *0.3* | *88000* | *-5.4* | *4.3* | *0.3* | *80600* | *-8.4* | *3.9* | *0.2* |
| **Total Producers** | 1890200 | - | 48.1 | 7.0 | 2006741 | 6.2 | 61.0 | 6.5 | 1914463 | -4.6 | 66.1 | 5.7 | 2056303 | 7.4 | 66.5 | 6.1 | 2047277 | -0.4 | 68.8 | 6.0 |
| **World** | 26853705 | - | - | - | 30883277 | 15.0 | - | - | 33542178 | 8.6 | - | - | 33546556 | 0.0 | - | - | 34109826 | 1.7 | - | - |

BY VALUE

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World |
| **Malaysia** | 218867 | - | 16.0 | 1.2 | 322040 | 47.1 | 25.4 | 1.6 | 296611 | -7.9 | 23.8 | 1.4 | 337105 | 13.7 | 26.8 | 1.6 | 321804 | -4.5 | 27.1 | 1.5 |
| **Philippines** | 127433 | - | 9.3 | 0.7 | 123136 | -3.4 | 9.7 | 0.6 | 157459 | 27.9 | 12.6 | 0.7 | 153420 | -2.6 | 12.2 | 0.7 | 157183 | 2.5 | 13.3 | 0.7 |
| **Indonesia** | 36607 | - | 2.7 | 0.2 | 58501 | 59.8 | 4.6 | 0.3 | 102057 | 74.5 | 8.2 | 0.5 | 105587 | 3.5 | 8.4 | 0.5 | 97108 | -8.0 | 8.2 | 0.5 |
| **Guatemala** | 66180 | - | 4.8 | 0.4 | 51776 | -21.8 | 4.1 | 0.3 | 74425 | 43.7 | 6.0 | 0.3 | 71391 | -4.1 | 5.7 | 0.3 | 82299 | 15.3 | 6.9 | 0.4 |
| **Thailand** | 42979 | - | 3.1 | 0.2 | 72230 | 68.1 | 5.7 | 0.4 | 82058 | 13.6 | 6.6 | 0.4 | 72346 | -11.8 | 5.7 | 0.3 | 81325 | 12.4 | 6.9 | 0.4 |
| ***Colombia*** | *96331* | - | *7.1* | *0.5* | *105899* | *9.9* | *8.4* | *0.5* | *90552* | *-14.5* | *7.3* | *0.4* | *97023* | *7.1* | *7.7* | *0.5* | *72853* | *-24.9* | *6.1* | *0.3* |
| **Total Producers** | 1365262 | - | 36.0 | 7.2 | 1267477 | -7.2 | 49.5 | 6.4 | 1245755 | -1.7 | 57.2 | 5.8 | 1259871 | 1.1 | 58.7 | 6.1 | 1185988 | -5.9 | 62.4 | 5.6 |
| **World** | 18897987 | - | - | - | 19675082 | 4.1 | - | - | 21653782 | 10.1 | - | - | 20732802 | -4.3 | - | - | 21155681 | 2.0 | - | - |

**PAPER AND PAPERBOARD, OF WHICH - OTHER PAPER AND PAPERBOARD, OF WHICH: WRAPPING AND PACKAGING PAPER AND PAPERBOARD - EXPORTS** BY WEIGHT

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World |
| **Thailand** | 672000 | - | 48.6 | 2.1 | 509000 | -24.3 | 33.4 | 1.5 | 399600 | -21.5 | 27.4 | 1.1 | 424000 | 6.1 | 28.9 | 1.3 | 459700 | 8.4 | 35.1 | 1.4 |
| **Indonesia** | 326400 | - | 23.6 | 1.0 | 562300 | 72.3 | 36.8 | 1.7 | 545900 | -2.9 | 37.4 | 1.6 | 375400 | -31.2 | 25.6 | 1.1 | 408400 | 8.8 | 31.2 | 1.2 |
| **Brazil** | 296000 | - | 21.4 | 0.9 | 387000 | 30.7 | 25.4 | 1.2 | 413400 | 6.8 | 28.3 | 1.2 | 523700 | 26.7 | 35.8 | 1.6 | 319800 | -38.9 | 24.4 | 0.9 |
| **Colombia** | 12500 | - | 0.9 | 0.0 | 21400 | 71.2 | 1.4 | 0.1 | 28600 | 33.6 | 2.0 | 0.1 | 25800 | -9.8 | 1.8 | 0.1 | 41600 | 61.2 | 3.2 | 0.1 |
| **India** | 0 | - | 0.0 | 0.0 | 0 | - | 0.0 | 0.0 | 9200 | - | 0.6 | 0.0 | 23200 | 152.2 | 1.6 | 0.1 | 24800 | 6.9 | 1.9 | 0.1 |
| ***Philippines*** | *700* | - | *0.1* | *0.0* | *2100* | *200.0* | *0.1* | *0.0* | *16700* | *695.2* | *1.1* | *0.0* | *2900* | *-82.6* | *0.2* | *0.0* | *2900* | *0.0* | *0.2* | *0.0* |
| **Total Producers** | 1382300 | - | 94.5 | 4.3 | 1526200 | 10.4 | 97.0 | 4.6 | 1459500 | -4.4 | 95.7 | 4.2 | 1464760 | 0.4 | 93.7 | 4.4 | 1310379 | -10.5 | 95.7 | 3.9 |
| **World** | 32508507 | - | - | - | 33428203 | 2.8 | - | - | 34924707 | 4.5 | - | - | 33621677 | -3.7 | - | - | 33671842 | 0.1 | - | - |

BY VALUE

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World |
| **Brazil** | 158939 | - | 30.4 | 0.7 | 182063 | 14.5 | 33.7 | 0.8 | 205726 | 13.0 | 34.7 | 0.9 | 232204 | 12.9 | 43.1 | 1.1 | 151941 | -34.6 | 31.2 | 0.7 |
| **Thailand** | 219934 | - | 42.0 | 1.0 | 160577 | -27.0 | 29.7 | 0.7 | 147907 | -7.9 | 24.9 | 0.7 | 121853 | -17.6 | 22.6 | 0.6 | 144843 | 18.9 | 29.7 | 0.7 |
| **Indonesia** | 98654 | - | 18.8 | 0.4 | 160171 | 62.4 | 29.6 | 0.7 | 194248 | 21.3 | 32.7 | 0.9 | 111008 | -42.9 | 20.6 | 0.5 | 121129 | 9.1 | 24.9 | 0.6 |
| **India** | 0 | - | 0.0 | 0.0 | 0 | - | 0.0 | 0.0 | 7753 | - | 1.3 | 0.0 | 21076 | 171.8 | 3.9 | 0.1 | 21250 | 0.8 | 4.4 | 0.1 |
| **Colombia** | 7917 | - | 1.5 | 0.0 | 11408 | 44.1 | 2.1 | 0.1 | 12183 | 6.8 | 2.1 | 0.1 | 12707 | 4.3 | 2.4 | 0.1 | 17896 | 40.8 | 3.7 | 0.1 |
| ***Philippines*** | *922* | - | *0.2* | *0.0* | *1564* | *69.6* | *0.3* | *0.0* | *4583* | *193.0* | *0.8* | *0.0* | *689* | *-85.0* | *0.1* | *0.0* | *689* | *0.0* | *0.1* | *0.0* |
| **Total Producers** | 523659 | - | 92.7 | 2.3 | 540873 | 3.3 | 95.1 | 2.5 | 593183 | 9.7 | 95.7 | 2.6 | 538187 | -9.3 | 92.7 | 2.7 | 486890 | -9.5 | 93.9 | 2.4 |
| **World** | 22331034 | - | - | - | 21635636 | -3.1 | - | - | 22563801 | 4.3 | - | - | 20276502 | -10.1 | - | - | 20353640 | 0.4 | - | - |

# Table 1-3. Production and Trade of Reconstituted Panels, Wood Pulp and Paper by Major ITTO Producers, 1998-2002

**PAPER AND PAPERBOARD, OF WHICH - OTHER PAPER AND PAPERBOARD, OF WHICH: OTHER PAPER AND PAPERBOARD NES - PRODUCTION**

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Weight (mt) | %Chng | %Prod | World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World |
| **Brazil** | 308000 | - | 31.2 | 1.9 | 163000 | -47.1 | 25.3 | 0.9 | 163000 | 0.0 | 32.1 | 0.9 | 374000 | 129.4 | 51.0 | 2.1 | 374000 | 0.0 | 49.9 | 2.1 |
| **Thailand** | 246000 | - | 24.9 | 1.5 | 144000 | -41.5 | 22.3 | 0.8 | 149000 | 3.5 | 29.4 | 0.8 | 160000 | 7.4 | 21.8 | 0.9 | 160000 | 0.0 | 21.4 | 0.9 |
| **Indonesia** | 212000 | - | 21.5 | 1.3 | 134000 | -36.8 | 20.8 | 0.8 | 110000 | -17.9 | 21.7 | 0.6 | 115000 | 4.5 | 15.7 | 0.6 | 115000 | 0.0 | 15.4 | 0.6 |
| **Colombia** | 28000 | - | 2.8 | 0.2 | 29000 | 3.6 | 4.5 | 0.2 | 32000 | 10.3 | 6.3 | 0.2 | 30000 | -6.3 | 4.1 | 0.2 | 33000 | 10.0 | 4.4 | 0.2 |
| **Ecuador** | 13000 | - | 1.3 | 0.1 | 13000 | 0.0 | 2.0 | 0.1 | 13000 | 0.0 | 2.6 | 0.1 | 13000 | 0.0 | 1.8 | 0.1 | 13000 | 0.0 | 1.7 | 0.1 |
| ***India*** | *115000* | - | *11.6* | *0.7* | *125000* | *8.7* | *19.4* | *0.7* | *9000* | *-92.8* | *1.8* | *0.1* | *9000* | *0.0* | *1.2* | *0.0* | *9000* | *0.0* | *1.2* | *0.0* |
| ***Guatemala*** | *5000* [1] | - | *0.5* | *0.0* | *5000* [1] | *0.0* | *0.8* | *0.0* | *5000* [1] | *0.0* | *1.0* | *0.0* | *7000* [1] | *40.0* | *1.0* | *0.0* | *8000* [1] | *14.3* | *1.1* | *0.0* |
| ***Malaysia*** | *3000* | - | *0.3* | *0.0* | *3000* | *0.0* | *0.5* | *0.0* | *3000* | *0.0* | *0.6* | *0.0* | *3000* | *0.0* | *0.4* | *0.0* | *3000* | *0.0* | *0.4* | *0.0* |
| **Total Producers** | 988000 [1] | - | 81.7 | 6.0 | 645000 [1] | -34.7 | 74.9 | 3.7 | 507000 | -21.4 | 92.1 | 2.8 | 734000 [1] | 44.8 | 94.3 | 4.1 | 749000 [1] | 2.0 | 92.8 | 4.1 |
| **World** | 16399611 [1] | - | - | - | 17431420 [1] | 6.3 | - | - | 17831935 | 2.3 | - | - | 18010938 [1] | 1.0 | - | - | 18097880 [1] | 0.5 | - | - |

**PAPER AND PAPERBOARD, OF WHICH - OTHER PAPER AND PAPERBOARD, OF WHICH: OTHER PAPER AND PAPERBOARD NES - IMPORTS** BY WEIGHT

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World |
| **Fiji** | 0 | - | 0.0 | 0.0 | 0 | - | 0.0 | 0.0 | 0 | - | 0.0 | 0.0 | 400 | - | 0.1 | 0.0 | 76955 | 19138.8 | 19.2 | 1.5 |
| **Malaysia** | 69000 | - | 15.1 | 0.7 | 79000 | 14.5 | 22.2 | 0.8 | 50400 | -36.2 | 12.9 | 0.7 | 64200 | 27.4 | 19.0 | 1.1 | 64200 | 0.0 | 16.0 | 1.3 |
| **Thailand** | 43000 | - | 9.4 | 0.5 | 39000 | -9.3 | 11.0 | 0.4 | 54000 | 38.5 | 13.8 | 0.8 | 62000 | 14.8 | 18.3 | 1.1 | 55200 | -11.0 | 13.7 | 1.1 |
| **Philippines** | 38400 | - | 8.4 | 0.4 | 20100 | -47.7 | 5.7 | 0.2 | 33200 | 65.2 | 8.5 | 0.5 | 37800 | 13.9 | 11.2 | 0.6 | 52400 | 38.6 | 13.0 | 1.0 |
| **Indonesia** | 10900 | - | 2.4 | 0.1 | 27500 | 152.3 | 7.7 | 0.3 | 33800 | 22.9 | 8.6 | 0.5 | 33000 | -2.4 | 9.8 | 0.6 | 37500 | 13.6 | 9.3 | 0.8 |
| ***Brazil*** | *59000* | - | *12.9* | *0.6* | *14000* | *-76.3* | *3.9* | *0.1* | *10800* | *-22.9* | *2.8* | *0.2* | *14000* | *29.6* | *4.1* | *0.2* | *14000* | *0.0* | *3.5* | *0.3* |
| **Total Producers** | 457016 | - | 35.3 | 4.8 | 355602 | -22.2 | 46.6 | 3.4 | 390830 | 9.9 | 43.9 | 5.7 | 338430 | -13.4 | 58.3 | 5.8 | 401810 | 18.7 | 71.2 | 8.0 |
| **World** | 9525391 | - | - | - | 10499518 | 10.2 | - | - | 6818019 | -35.1 | - | - | 5869646 | -13.9 | - | - | 4997354 | -14.9 | - | - |

BY VALUE

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World |
| **Malaysia** | 73223 | - | 12.5 | 0.9 | 82020 | 12.0 | 16.7 | 1.0 | 87834 | 7.1 | 15.9 | 1.4 | 77939 | -11.3 | 16.6 | 1.4 | 77939 | 0.0 | 19.3 | 1.6 |
| **Thailand** | 103390 | - | 17.6 | 1.2 | 127670 | 23.5 | 26.0 | 1.5 | 143534 | 12.4 | 26.0 | 2.2 | 140925 | -1.8 | 30.0 | 2.5 | 72144 | -48.8 | 17.9 | 1.5 |
| **Indonesia** | 33120 | - | 5.6 | 0.4 | 47743 | 44.2 | 9.7 | 0.6 | 58854 | 23.3 | 10.7 | 0.9 | 57320 | -2.6 | 12.2 | 1.0 | 66344 | 15.7 | 16.5 | 1.4 |
| **Philippines** | 42647 | - | 7.3 | 0.5 | 28702 | -32.7 | 5.8 | 0.3 | 38004 | 32.4 | 6.9 | 0.6 | 36821 | -3.1 | 7.8 | 0.7 | 48206 | 30.9 | 12.0 | 1.0 |
| **Brazil** | 128439 | - | 21.9 | 1.6 | 37923 | -70.5 | 7.7 | 0.5 | 23974 | -36.8 | 4.3 | 0.4 | 28678 | 19.6 | 6.1 | 0.5 | 34935 | 21.8 | 8.7 | 0.7 |
| ***Fiji*** | *0* | - | *0.0* | *0.0* | *0* | - | *0.0* | *0.0* | *0* | - | *0.0* | *0.0* | *590* | - | *0.1* | *0.0* | *1101* | *86.6* | *0.3* | *0.0* |
| **Total Producers** | 586648 | - | 64.9 | 7.1 | 491696 | -16.2 | 65.9 | 6.0 | 551974 | 12.3 | 63.8 | 8.5 | 470302 | -14.8 | 72.7 | 8.4 | 403104 | -14.3 | 74.3 | 8.4 |
| **World** | 8277256 | - | - | - | 8246880 | -0.4 | - | - | 6485469 | -21.4 | - | - | 5568246 | -14.1 | - | - | 4827215 | -13.3 | - | - |

**PAPER AND PAPERBOARD, OF WHICH - OTHER PAPER AND PAPERBOARD, OF WHICH: OTHER PAPER AND PAPERBOARD NES - EXPORTS** BY WEIGHT

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World | Weight (mt) | %Chng | %Prod | %World |
| **Indonesia** | 8300 | - | 5.6 | 0.2 | 55800 | 572.3 | 32.7 | 1.3 | 55100 | -1.3 | 32.9 | 1.2 | 50700 | -8.0 | 37.6 | 1.3 | 53000 | 4.5 | 40.7 | 1.4 |
| **Malaysia** | 41000 | - | 27.7 | 0.9 | 49100 | 19.8 | 28.8 | 1.2 | 24300 | -50.5 | 14.5 | 0.5 | 35300 | 45.3 | 26.2 | 0.9 | 35300 | 0.0 | 27.1 | 1.0 |
| **Thailand** | 61000 | - | 41.1 | 1.4 | 15000 | -75.4 | 8.8 | 0.4 | 17000 | 13.3 | 10.1 | 0.4 | 16000 | -5.9 | 11.9 | 0.4 | 17000 | 6.3 | 13.1 | 0.5 |
| **Brazil** | 4300 | - | 2.9 | 0.1 | 8000 | 86.0 | 4.7 | 0.2 | 9600 | 20.0 | 5.7 | 0.2 | 5200 | -45.8 | 3.9 | 0.1 | 8700 | 67.3 | 6.7 | 0.2 |
| **Guatemala** | 0 | - | 0.0 | 0.0 | 0 | - | 0.0 | 0.0 | 3000 | - | 1.8 | 0.1 | 4000 | 33.3 | 3.0 | 0.1 | 4063 | 1.6 | 3.1 | 0.1 |
| ***India*** | *10000* | - | *6.7* | *0.2* | *18000* | *80.0* | *10.5* | *0.4* | *1800* | *-90.0* | *1.1* | *0.0* | *2100* | *16.7* | *1.6* | *0.1* | *2100* | *0.0* | *1.6* | *0.1* |
| **Total Producers** | 148250 | - | 77.3 | 3.4 | 170700 | 15.1 | 74.9 | 4.0 | 167700 | -1.8 | 65.0 | 3.7 | 134800 | -19.6 | 82.5 | 3.5 | 130077 | -3.5 | 90.8 | 3.5 |
| **World** | 4410708 | - | - | - | 4235970 | -4.0 | - | - | 4497000 | 6.2 | - | - | 3883624 | -13.6 | - | - | 3695257 | -4.9 | - | - |

BY VALUE

| Country | 1998 | | | | 1999 | | | | 2000 | | | | 2001 | | | | 2002 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World | Val. (1000$) | %Chng | %Prod | %World |
| **Malaysia** | 34818 | - | 30.6 | 0.6 | 51582 | 48.1 | 37.0 | 1.1 | 28487 | -44.8 | 21.4 | 0.6 | 45297 | 59.0 | 34.6 | 1.1 | 45297 | 0.0 | 33.5 | 1.2 |
| **Thailand** | 33625 | - | 29.6 | 0.6 | 17978 | -46.5 | 12.9 | 0.4 | 18434 | 2.5 | 13.9 | 0.4 | 21097 | 14.4 | 16.1 | 0.5 | 29225 | 38.5 | 21.6 | 0.7 |
| **Indonesia** | 3826 | - | 3.4 | 0.1 | 23412 | 511.9 | 16.8 | 0.5 | 27151 | 16.0 | 20.4 | 0.5 | 24014 | -11.6 | 18.3 | 0.6 | 26538 | 10.5 | 19.6 | 0.7 |
| **Brazil** | 10864 | - | 9.6 | 0.2 | 12872 | 18.5 | 9.2 | 0.3 | 15964 | 24.0 | 12.0 | 0.3 | 4024 | -74.8 | 3.1 | 0.1 | 18288 | 354.5 | 13.5 | 0.5 |
| **India** | 9066 | - | 8.0 | 0.2 | 12287 | 35.5 | 8.8 | 0.3 | 2913 | -76.3 | 2.2 | 0.1 | 4539 | 55.8 | 3.5 | 0.1 | 4539 | 0.0 | 3.4 | 0.1 |
| ***Guatemala*** | *0* | - | *0.0* | *0.0* | *0* | - | *0.0* | *0.0* | *1677* | - | *1.3* | *0.0* | *2080* | *24.0* | *1.6* | *0.0* | *2817* | *35.4* | *2.1* | *0.1* |
| **Total Producers** | 113678 | - | 81.1 | 2.1 | 139306 | 22.5 | 84.8 | 3.0 | 132938 | -4.6 | 69.9 | 2.6 | 131038 | -1.4 | 75.5 | 3.1 | 135347 | 3.3 | 91.5 | 3.5 |
| **World** | 5357681 | - | - | - | 4693098 | -12.4 | - | - | 5049620 | 7.6 | - | - | 4250299 | -15.8 | - | - | 3902119 | -8.2 | - | - |

# Appendix 2

## Direction of Trade

## in Volume of Primary Tropical Timber Products

## between Major ITTO Producers and Consumers in 2002

## Table 2-1. Trade of Tropical Logs, 2002 (m3)

| Exporters / Importers | Malaysia | Gabon | Papua New Guinea | Liberia | Myanmar | Indonesia | Congo, Rep. of | Cameroon | Nigeria | Central African Republic | Cote d'Ivoire | Guyana | Others | Total Imports |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **China** | **2,121,195** | **1,087,394** | **1,127,997** | **631,416** | **549,216** | **248,141** | **249,866** | **211,747** | **67** | **3,894** | **-** | **24,165** | **695,937** | **6,951,035** |
| | *1,103,390* | - | - | - | - | *2,203* W | - | *74,354* * | - | - | - | *26,483* | | |
| **Japan** | **1,521,000** | **10,000** | **403,000** | **0** R | **1,000** | **8,000** | **26,000** | **6,000** | **-** | **1,000** | **-** | **-** | **56,000** | **2,032,000** |
| | *1,590,080* | - | - | - | *898* * | *442* W | - | *92* * | - | - | - | *50* | | |
| **India** | **732,502** G | **75,363** G | **-** | **5,142** G | **282,645** G | **69,288** G | **294** G | **34** G | **185** G | **-** | **97,269** G | **-** | **294,586** G | **1,560,584** G |
| | *994,920* | - | - | - | *352,164* * | *66* W | - | - | - | - | *85,692* | *11,600* | | |
| **Taiwan, P.O.C** | **756,089** *W | **32,022** *W | **32,953** *W | **32** *W | **11,375** *W | **1,125** *W | **2,658** *W | **4,646** *W | **-** | **-** | **-** | **-** | **11,185** *W | **852,084** *W |
| | *649,640* | - | - | - | - | *600* W | - | - | - | - | - | *194* | | |
| **Portugal** | **9** G | **80,668** G | **-** | **1,777** G | **-** | **-** | **80,561** G | **51,415** G | **-** | **10,060** G | **-** | **-** | **441,703** G | **668,000** |
| | - | - | - | - | - | *0* | - | *2,662* * | - | - | - | - | | |
| **France** | **1,073** C | **362,417** C | **-** | **143,609** C | **961** C | **-** | **70,503** C | **35,575** C | **-** | **13,702** C | **644** C | **27** C | **16,460** C | **644,970** |
| | - | - | - | - | - | *120* W | - | *11,317* * | - | - | - | - | | |
| **Thailand** | **104,740** | **11,230** | **-** | **-** | **385,830** | **23,250** | **-** | **0** R | **-** | **-** | **0** R | **-** | **83,950** | **609,000** |
| | *38,390* | - | - | - | *124,323* * | *0* | - | - * | - | - | - | - | | |
| **Korea, Rep. of** | **196,000** | **10,000** | **180,000** | **-** | **-** | **2,000** | **-** | **-** | **-** | **-** | **-** | **-** | **183,000** | **571,000** |
| | *157,700* | - | - | - | - | *627* W | - | *315* | - | - | - | *40* | | |
| **Italy** | **667** G | **98,088** G | **-** | **53,811** G | **2,545** G | **65** C | **45,524** G | **107,726** G | **359** G | **20,838** G | **193** G | **10,836** G | **5,455** G | **352,097** G |
| | - | - | - | - | - | *115* W | - | *86,457* * | - | | - | *1,201* | | |
| **Malaysia** | | **2,650** | **15,090** | **-** | **35,430** | **198,880** | **-** | **-** | **-** | **-** | **-** | **-** | **44,950** | **297,000** |
| | | - | - | - | *14,337* * | *228* W | - | - | - | - | - | - | | |
| **Hong Kong, S.A.R.** | **130,855** G | **28,117** G | **27** G | **19,130** G | **1,709** G | **529** G | **2,852** G | **6,905** G | **-** | **14,488** G | **-** | **166** G | **44,824** G | **249,622** G |
| | *35,760* | - | - | - | - | *0* | - | - | - | - | - | *2,151* | | |
| **Philippines** | **41,122** | **-** | **38,907** | **-** | **-** | **5,828** | **-** | **-** | **-** | **-** | **-** | **-** | **147,189** | **233,046** |
| | *35,760* | - | - | - | - | *0* | - | - | - | - | - | - | | |
| **Others** | | | | | | | | | | | | | | |
| | *486,360* | - | - | - | *374,833* * | *595,600* I | - | *249,803* I | - | - | - | *14,102* | | |
| *Total Exports* | *5,092,000* | *2,000,000* I | *1,853,550* D | *1,100,000* I | *866,555* I | *600,000* I | *558,810* | *425,000* I | *200,000* I | *100,000* I | *85,692* | *55,821* | | |

## Table 2-2. Trade of Tropical Sawnwood, 2002 (m3)

| *Exporters* / **Importers** | *Malaysia* | *Indonesia* | *Brazil* | *Cameroon* | *Thailand* | *Côte d'Ivoire* | *Ghana* | *Belgium* | *Congo, Rep. of* | *Peru* | *Netherlands* | *Gabon* | *Others* | **Total Imports** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **China** | **473,846** | **1,316,007** | **132,015** | **16,812** | **590,564** | **691** | **2,077** | **-** | **2,801** | **1,026** | **-** | **3,895** | **325,567** | **2,865,301** |
| | *143,790* | *333,287* W | *155,695* G | *14,522* * | *590,000* I | *-* | *1,342* | *-* | *-* | *70* | *16* G | *-* | | |
| **Thailand** | **1,012,090** | **7,020** | **-** | **50** | | **60** | **160** | **-** | **-** | **-** | **-** | **0** R | **405,620** | **1,425,000** |
| | *608,020* | *1,874* W | *47,878* G | *-* | | *-* | *80* | *22* G | *-* | *-* | *-* | *-* | | |
| **Hong Kong, S.A.R.** | **249,254** G | **164,903** G | **45,718** G | **8,296** G | **67,939** G | **51** G | **1,443** G | **-** | **603** G | **12,251** G | **46** G | **342** G | **147,392** G | **698,238** G |
| | *141,370* | *61,210* W | *126,932* G | *-* | *65,000* I | *-* | *3,800* | *-* | *-* | *1,320* | *-* | *-* | | |
| **Malaysia** | | **524,330** | **1,070** | **-** | **73,010** | **20** | **400** | **-** | **20** | **-** | **-** | **2,650** | **43,500** | **645,000** |
| | | *9,139* W | *269* G | *-* | *49,000* | *-* | *496* | *-* | *-* | *-* | *55* G | *-* | | |
| **Japan** | **217,000** | **263,000** | **15,000** | **0** R | **19,000** | **-** | **1,000** | **-** | **0** R | **0** R | **-** | **0** R | **32,000** | **547,000** |
| | *195,850* | *28,382* W | *11,277* G | *1,083* * | *30,000* | *-* | *500* | *-* | *-* | *20* | *237* G | *-* | | |
| **Spain**+ | **103** G | **509** G | **112,363** GW | **91,724** GW | **64** G | **193,573** GW | **15,743** G | **-** | **10,575** G | **122** G | **511** G | **1,664** G | **48,049** G | **475,000** |
| | ***140*** | ***49*** W | ***99,149*** G | ***126,786*** * | ***2,000*** | ***-*** | ***2,869*** | ***14*** G | ***-*** | ***460*** | ***1,438*** G | ***-*** | | |
| **Netherlands** | **171,091** G | **18,390** G | **66,898** G | **76,007** G | **578** G | **11,919** G | **8,240** G | **344** G | **282** G | **58** G | | **3,009** G | **26,483** | **383,300** |
| | *186,710* | *1,488* W | *70,070* G | *170,551* * | *2,000* | *-* | *6,400* | *213* G | *-* | *60* | | *-* | | |
| **Korea, Rep. of** | **144,077** C | **188,640** C | **1,635** C | **33** C | **152** C | **124** C | **-** | **-** | **-** | **-** | **-** | **-** | **32,340** C | **367,000** |
| | *95,800* | *15,086* W | *131* G | *400* * | *-* | *-* | *-* | *-* | *-* | *-* | *-* | *-* | | |
| **United Kingdom** | **53,593** G | **5,932** G | **14,849** G | **31,444** G | **36** G | **19,809** G | **17,816** G | **5,328** G | **3,125** G | **30** G | **20,977** G | **32** G | **166,067** G | **339,039** |
| | *53,270* | *654* W | *10,129* G | *21,330* * | *3,000* | *-* | *14,900* | *932* G | *-* | *30* | *16,266* G | *-* | | |
| **France**+ | **18,688** C | **5,490** C | **148,187** C | **58,456** C | **23** C | **24,259** C | **22,251** C | **10,400** C | **13,772** C | **50** C | **2,112** C | **12,647** C | **13,921** C | **330,257** |
| | *13,640* | *226* W | *109,859* G | *59,383* * | *-* | *-* | *12,200* | *4,991* G | *-* | *60* | *3,408* G | *-* | | |
| **Taiwan, P.O.C** | **217,188** W | **14,913** W | **15,676** W | **740** W | **4,878** W | **-** | **1,374** W | **-** | **-** | **22** W | **-** | **240** W | **74,145** W | **329,176** W |
| | *189,080* | *9,930* W | *14,476* G | *-* | *8,000* | *-* | *3,500* | *-* | *-* | *40* | *-* | | | |
| **Italy**+ | **27,941** C | **5,122** C | **13,265** C | **91,735** C | **292** C | **86,447** C | **21,187** C | **103** C | **3,294** C | **491** C | **146** C | **21,787** C | **37,189** C | **309,000** |
| | *38,300* | *1,520* W | *19,063* G | *254,327* * | *1,000* | *-* | *18,300* | *3* G | *-* | *160* | *1,437* G | *-* | | |
| **Others** | | | | | | | | | | | | | | |
| | *840,030* | *1,537,154* I | *483,565* G | *144,869* * | *11,153* | *-* | *142,986* | *141,825* G | *-* | *103,280* | *82,643* G | *-* | | |
| *Total Exports* | *2,506,000* | *2,000,000* I | *1,148,493* * | *793,251* * | *761,153* C | *348,852* | *207,373* | *148,000* | *135,480* | *105,500* | *105,500* | *103,000* * | | |

## Table 2-3. Trade of Tropical Veneer, 2002 (m3)

| Exporters / Importers | Malaysia | Brazil | Côte d'Ivoire | Ghana | Gabon | Cambodia | Papua New Guinea | China | France | Cameroon | Congo, Rep. of | Germany | Others | Total Imports |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Korea, Rep. of** | **172,565** C | **540** C | **-** | **4** C | **-** | **2,393** C | **27,842** C | **435** C | **-** | **290** C | **41** C | **52** C | **35,838** | **240,000** |
| | *167,950* | *67* GI | - | - | - | - | - | *197* G | *6* C | *335* D | - | *4* G | | |
| **Hong Kong, S.A.R.** | **157,342** GW | **561** GW | **24** GW | **155** GW | **-** | **-** | **8** GW | **17** GW | **5** GW | **-** | **-** | **36** GW | **5,046** GW | **163,195** GW |
| | *157,950* | *81* GI | - | *99* | - | - | - | *28* G | *79* C | - | - | *428* G | | |
| **China** | **71,802** G | **2,148** G | **-** | **2,077** | **-** | **38,879** | **8,230** | | **-** | **998** | **1,463** | **-** | **35,799** | **161,397** |
| | *48,350* | *922* GI | - | - | - | - | - | | *231* C | *1,353* D | - | *464* G | | |
| **Taiwan P.O.C.** | **79,404** W | **4,698** W | **-** | **-** | **-** | **-** | **33,164** W | **495** W | **-** | **-** | **234** W | **-** | **5,838** W | **123,834** W |
| | *96,810* | *394* GI | - | - | - | - | - | *1,474* G | *0* C | - | - | *17* G | | |
| **France** | **79** C | **183** C | **2,364** C | **2,178** C | **52,152** C | **-** | **-** | **-** | | **1,313** C | **447** C | **412** C | **7,379** C | **66,507** |
| | - | *20* GI | - | *4,496* | - | - | - | *95* | | *576* D | - | *223* GW | | |
| **Philippines** | **60,778** | **-** | **-** | **-** | **-** | **2,151** | **-** | **-** | **-** | **-** | **-** | **-** | **820** | **63,749** |
| | *64,620* | *49* GI | - | - | - | - | - | *89* G | *10* C | - | - | *43* G | | |
| **Germany** | **3** G | **914** G | **22,580** G | **7,325** G | **1,279** G | **-** | **-** | **9** G | **1,112** G | **799** G | **-** | | **17,979** G | **52,000** |
| | *250* | *151* GI | - | *7,439* | - | - | - | *567* G | *208* C | *341* D | - | | | |
| **Italy**+ | **-** | **755** C | **15,446** C | **8,254** C | **2,302** C | **-** | **-** | **43** C | **548** C | **15,260** C | **150** C | **656** C | **4,586** C | **48,000** |
| | *10* | *4,174* GI | - | *22,331* | - | - | - | *88* G | *28,169* C | *14,853* D | - | *1,494* G | | |
| **Japan** | **31,000** | **1,000** | **0** R | **-** | **-** | **-** | **0** R | **-** | **-** | **-** | **-** | **-** | **7,000** | **39,000** |
| | *55,720* | *1,821* GI | - | - | - | - | - | *81* G | *214* C | - | - | *79* G | | |
| **Spain**+ | **-** | **0** G | **2,512** G | **825** G | **57** G | **-** | **-** | **19** G | **80** G | **254** G | **2** G | **81** G | **35,172** G | **39,000** |
| | - | - | - | *4,528* | - | - | - | *39* G | - | - | - | *235* G | | |
| **USA**+ | **576** G | **6,762** G | **1,327** G | **6,785** G | **1,872** G | **-** | **-** | **117** G | **258** G | **498** G | **163** G | **228** G | **3,957** G | **22,542** A |
| | *1,080* | *3,702* GI | - | *47,018* | - | - | - | *1,513* G | *427* C | - | - | *1,195* GW | | |
| **Portugal** | **-** | **8,191** G | **1,346** G | **1,764** G | **137** G | **-** | **-** | **-** | **147** G | **218** G | **-** | **557** G | **6,640** | **19,000** |
| | - | *19,748* G | - | *1,786* | - | - | - | *17* G | *0* CR | - | - | *208* GW | | |
| **Others** | | | | | | | | | | | | | | |
| | *7,960* | *129,965* G | - | *29,037* | - | - | *35,000* | *27,631* G | *1,006* C | *9,914* D | - | *10,112* G | | |
| *Total Exports* | *600,700* | *161,093* G | *150,983* | *116,734* | *108,000* * | *45,000* I | *35,000* I | *31,820* G | *30,350* | *27,372* D | *18,033* | *14,502* * | | |

## Table 2-4. Trade of Tropical Plywood, 2002 (m3)

| *Exporters* / **Importers** | *Indonesia* | *Malaysia* | *Brazil* | *China* | *Belgium* | *France* | *Ghana* | *Ecuador* | *India* | *Cameroon* | *Guyana* | *Canada* | *Others* | **Total Imports** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Japan** | C **2,636,723** | C **1,198,811** | C **619** | C **153,523** | **-** | C **10** | **-** | C **23** | C **357** | **-** | **-** | **-** | **640,933** | **4,631,000** |
| | GW *1,955,732* | *1,717,000* | G *520* | G *65,027* | - | - | - | - | G *259* | - | - | - | | |
| **USA**[+] | G **576,915** | G **401,349** | G **108,360** | G **74,634** | G **47** | G **858** | G **14,016** | G **33,291** | G **130** | **-** | G **25,026** | G **33,283** | G **71,857** | **1,339,766** |
| | GW *485,101* | *434,650* | G *280,885* | G *41,337* | G *172* | G *3,924* | *33,799* | - | G *5,616* | D* *719* | *23,369* | C *39,537* | | |
| **Korea, Rep. of** | C **488,129** | **515,082** | C **813** | C **202,676** | C **8** | **-** | **-** | **-** | C **102** | **-** | **-** | C **42** | C **27,148** | **1,234,000** |
| | GW *309,052* | *443,270* | | G *107,478* | - | - | - | | G *227* | D* *424* | - | - | | |
| **Taiwan P.O.C.** | W **255,151** | W **186,267** | W **585** | W **33,388** | **-** | **-** | **-** | **-** | **-** | W **342** | **-** | **-** | W **7,693** | W **483,427** |
| | GW *246,826* | *197,050* | - | G *40,193* | - | - | - | - | - | - | - | - | | |
| **United Kingdom**[+] | G **108,103** | G **33,400** | G **14,798** | G **3,791** | G **4,009** | G **1,378** | G **256** | **-** | G **287** | **-** | G **2,940** | G **52** | G **165,336** | **334,351** |
| | GW *191,714* | *103,300* | G *203,545* | G *22,733* | G *4,425* | GW *3,018* | *938* | - | G *1,168* | - | *6,663* | - | | |
| **China**[+] | G **203,690** | G **60,045** | **216** | | **-** | **-** | **-** | **-** | **24** | **-** | **8** | **-** | **318,033** | **582,017** |
| | GW *214,093* | *66,360* | - | | - | - | - | - | - | D* *1,510* | - | - | | |
| **Belgium**[+] | GW **187,307** | GW **3,829** | GW **22,907** | GW **1,527** | | GW **2,584** | G **14,054** | **-** | G **143** | G **16** | **-** | G **58** | G **12,576** | **245,000** |
| | GW *108,104* | *2,730* | G *39,141* | G *6,267* | | GW *2,039* | *14,775* | - | - | D* *342* | - | - | | |
| **Hong Kong, S.A.R.** | GA **99,632** | GA **84,739** | GA **16** | GA **53,220** | **-** | **-** | **-** | **-** | GA **192** | **-** | **-** | GA **68** | GA **8,045** | GA **245,912** |
| | GW *85,306* | *116,230* | - | G *21,075* | G *103* | G *37* | - | - | G *60* | - | *122* | C *4* | | |
| **Netherlands** | GW **40,611** | GW **1,420** | GW **932** | GW **2,729** | GW **24,260** | GW **4,676** | G **539** | **-** | G **9** | **-** | G **168** | **-** | **150,456** | **225,800** |
| | GW *28,984* | *5,990* | G *2,928* | G *7,564* | G *123,499* | GW *6,870* | *661* | - | G *343* | - | *268* | - | | |
| **Germany** | GW **64,310** | G **3,197** | GW **21,673** | GW **844** | GW **1,076** | GW **959** | G **2,035** | G **5** | G **7** | G **164** | G **-** | **-** | G **126,730** | **221,000** |
| | GW *27,349* | *7,960* | G *24,319* | G *3,153* | G *13,238* | GW *2,540* | *1,848* | - | G *66* | D* *847* | - | - | | |
| **Egypt** | **-** | **-** | **-** | **-** | **-** | **-** | **-** | **-** | **-** | **-** | **-** | **-** | **-** | I **156,000** |
| | GW *41,980* | *86,790* | - | - | - | - | - | - | - | D* *368* | - | - | | |
| **Canada** | C **44,355** | C **79,757** | C **13,010** | C **3,938** | **-** | C **28** | C **1,166** | C **68** | C **207** | C **10** | C **4** | | C **12,456** | **155,000** |
| | GW *6,219* | I *90,000* | G *5,393* | G *1,943* | - | - | *234* | - | G *800* | - | - | | | |
| **Others** | | | | | | | | | | | | | | |
| | *1,819,265* | *342,670* | G *190,269* | G *120,327* | G *23,563* | G *109,573* | *22,939* | - | G *50,610* | D* *43,271* | *16,388* | *459* | | |
| *Total Exports* | *5,519,725* | *3,614,000* | * *747,000* | *437,097* | *165,000* | *128,000* | *75,194* | I *67,555* | G *59,149* | D* *47,481* | *46,810* | *40,000* | | |

# Appendix 3

# Major Tropical Species Traded in 2001 and 2002



<<An asterisk ('*') next to a country name (or year) means that country did not provide new data in 2003 for that product/year and that data previously presented in the 2002 *Review* is being repeated.>>

# Explanatory Note

This note provides details of species included under various sub-headings of Chapter 44 of the Harmonized System (HS) of customs classification. It is not a comprehensive list of HS codes, but it provides a key for those countries in Appendix 3 that reported species trade according to such codes (Brazil, Finland, France, New Zealand, Norway and Portugal). Note that extensions of the HS beyond 6 digits are country or region specific and the same species may therefore appear under more than one code in the following list if different countries categorize it differently. Some countries have provided 10 or 8 digit HS codes with no explanation; please refer to the corresponding 8 or 6 digit code for these. For the purposes of the HS and in the descriptions that follow, "Tropical Wood" means one of the following species:

> Abura, Acajou d'Afrique, Afromosia, Ako, Alan, Andiroba, Aningré, Avodiré, Azobé, Balau, Balsa, Bossé clair, Bossé foncé, Cativo, Cedro, Dabema, Dark Red Meranti, Dibétou, Doussié, Fremiré, Freijo, Fromager, Fuma, Geronggang, Ilomba, Imbuia, Ipé, Iroko, Jaboty, Jelutong, Jequitiba, Jongkong, Kapur, Kempas, Keruing, Kosipo, Kotibé, Koto, Light Red Meranti, Limba, Louro, Maçaranduba, Mahogany, Makoré, Mansonia, Mengkulang, Meranti Bakau, Merawan, Merbau, Merpauh, Mersawa, Moabi, Niangon, Nyatoh, Obeche, Okoumé, Onzabili, Orey, Ovengkol, Ozigo, Paduk, Paldao, Palissandre de Guatemala, Palissandre de Para, Palissandre de Rio, Palissandre de Rose, Pau Marfim, Pulai, Punah, Ramin, Sapelli, Saqui-Saqui, Sepetir, Sipo, Sucupira, Suren, Teak, Tiama, Tola, Virola, White Lauan, White Meranti, White Seraya, Yellow Meranti.

Note that species from tropical countries other than those listed above are still considered tropical timber by ITTO and, if correctly recorded by customs authorities, are included as "Others" in categories 4403.99, 4407.99, 4408.90 and 4412.99.

| HS Code | Description |
|---|---|
| **4403.41-49** | **Tropical Wood in the rough, whether or not stripped of bark or sapwood, or roughly squared. (ITTO: Logs)** |
| *4403.41* | Dark Red Meranti, Light Red Meranti, and Meranti Bakau |
| *4403.49* | Other Tropical Wood |
| 4403.49.00.03 | Keruing, Ramin, Kapur, Teak, Jongkong, Merbau, Jelutong and Kempas |
| 4403.49.00.09 | Not elsewhere specified in 4403.41 or 4403.49 |
| 4403.49.10 | Sapelli, Acajou d'Afrique and Iroko |
| 4403.49.20 | Okoumé |
| 4403.49.30 | Obéché |
| 4403.49.40 | Sipo |
| 4403.49.50 | Limba |
| 4403.49.60 | Tiama, Mansonia, Ilomba, Dibétou and Azobé |
| 4403.49.70 | Virola, Mahogany (*Swietenia* spp.), Imbuia, Balsa, Palissandre de Rio, Palissandre de Para and Palissandre de Rose |
| 4403.49.90 | Other Tropical Wood |
| *4403.99* | Other non-coniferous |
| **4407.24-29** | **Tropical Wood sawn or chipped lengthwise, sliced or peeled, whether or not planed, sanded or finger-jointed, of a thickness exceeding 6 mm. (ITTO: Sawnwood)** |
| *4407.24* | Virola, Mahogany (*Swietenia* spp.), Imbuia and Balsa |
| 4407.24.00.10 | Virola (Baboen) |
| 4407.24.00.20 | Mahogany, Philippine (Lauan) |
| 4407.24.00.30 | Mahogany, American (*Swietenia* spp.) |
| 4407.24.00.40 | Balsa |
| 4407.24.00.90 | Other |
| 4407.24.10 | Finger-jointed, whether or not planed or sanded |
| 4407.24.90 | Other |
| *4407.25* | Dark Red Meranti, Light Red Meranti, and Meranti Bakau |
| 4407.25.31 | Planed: Blocks, strips and friezes for parquet or wood block flooring, not assembled |
| 4407.25.39 | Planed: Other |
| 4407.25.50 | Sanded |

| | |
|---|---|
| 4407.25.60 | Other: Dark red Meranti and Light Red Meranti |
| 4407.25.80 | Other: Meranti Bakau |
| *4407.26* | White Lauan, White Meranti, White Seraya, Yellow Meranti and Alan |
| 4407.26.31 | Planed: Blocks, strips and friezes for parquet or wood block flooring, not assembled |
| 4407.26.39 | Planed: Other |
| 4407.26.50 | Sanded |
| 4407.26.70 | Other: White Lauan and White Meranti |
| 4407.26.80 | Other: White Seraya, Yellow Meranti and Alan |
| *4407.29* | Other Tropical Wood |
| 4407.29.00.10 | Teak |
| 4407.29.00.20 | Other |
| 4407.29.10 | Finger-jointed, whether or not planed or sanded |
| 4407.29.20 | Planed: Palissandre de Rio, Palissandre de Para and Palissandre de Rose |
| 4407.29.31 | Other: Blocks, strips and friezes for parquet or wood block flooring, not assembled |
| 4407.29.39 | Other |
| 4407.29.50 | Sanded |
| 4407.29.61 | Other: Azobé |
| 4407.29.69 | Other: Other |
| 4407.29.70 | Other: Finger-jointed, whether or not planed or sanded |
| 4407.29.90.01 | Wood, tropical; Keruing, Ramin, Kapur, Teak, Jongkong, Merbau, Jelutong and Kempas, sawn or chipped lengthwise, sliced or peeled, (not planed or sanded or finger-jointed), thicker than 6 mm |
| 4407.29.90.09 | Wood, tropical; Not elsewhere specified in item no. 4407.29, sawn or chipped lengthwise, sliced or peeled, (not planed or sanded or finger-jointed), thicker than 6 mm |
| 4407.29.99 | Other Tropical Wood |
| *4407.99* | Other non-coniferous |

| | |
|---|---|
| **4408.31-90** | **Veneer sheets and sheets for plywood (whether or not spliced) and other tropical wood sawn lengthwise, sliced or finger-jointed, of a thickness not exceeding 6 mm. (ITTO: Veneer)** |
| *4408.31* | Dark Red Meranti, Light Red Meranti and Meranti Bakau |
| 4408.31.11 | Finger-jointed, whether or not planed or sanded |
| 4408.31.21 | Planed |
| 4408.31.25 | Sanded |
| 4408.31.30 | Other |
| *4408.39* | Other Tropical Wood |
| 4408.39.00.10 | Mahogany, Philippine (Lauan) |
| 4408.39.00.20 | Mahogany, African (Acajou d'Afrique) |
| 4408.39.00.30 | Mahogany, American (*Swietenia* spp.) |
| 4408.39.00.90 | Other |
| 4408.39.11-35 | White Lauan, Sipo, Limba, Okoumé, Obeche, Acajou d'Afrique, Sapelli, Virola, Mahogany (*Swietenia* spp.), Palissandre de Rio, Palissandre de Para and Palissandre de Rose: |
| 4408.39.11 | Finger-jointed, whether or not planed or sanded |
| 4408.39.21 | Planed |
| 4408.39.25 | Sanded |
| 4408.39.31 | Other: Of a thickness not exceeding 1 mm |
| 4408.39.35 | Other: Of a thickness exceeding 1 mm |
| 4408.39.51-99 | Other |
| 4408.39.81 | Other: Of a thickness not exceeding 1 mm: Makoré, iroko, tiama, mansonia, ilomba, dibétou, azobé, White Meranti, white seraya, Yeloow Meranti, alan, keruing, ramin, kapur, teak, jongkong, merbau, jelutong, kempas, imbuia and balsa |
| 4408.39.89 | Other |
| 4408.39.90.09 | White Lauan, Sipo, Limba, Okoumé, Obeche, Acajou d'Afrique, Sapelli, Mahogany (*Swietenia* spp.), sheets for veneer or plywood, other wood sawn lengthwise, sliced or peeled, rotary, not planed, over 1 mm but not over 6 mm thick |

| | |
|---|---|
| 4408.39.91 | Of a thickness exceeding 1mm: Makoré, Iroko, Tiama, Mansonia, Ilomba, Dibétou, Azobé, White Meranti, White Seraya, Yellow Meranti, Alan, Keruing, Ramin, Kapur, Teak, Jongkong, Merbau, Jelutong, Kempas, Imbuia and Balsa |
| 4408.39.99 | Other |
| *4408.90* | Other non-coniferous |
| 4408.90.08.41 | Tropical hardwoods, not elsewhere specified in heading no. 4408, sheets for veneer or plywood, other wood sawn lengthwise, sliced or peeled, rotary, not planed, over 1 mm but not over 6 mm thick |
| **4412.13-99** | **Plywood, veneered panels and similar laminated wood. (ITTO: Plywood)** |
| *4412.13* | Plys all wood, each = 6 mm, with at least one outer ply of tropical wood |
| 4412.13.10 | Whether or not painted, edge- or face-worked, but not otherwise worked or surface-covered |
| 4412.13.10.01 | Plywood; wood only, each ply 6 mm or thinner, at least 1 outer ply tropical, either Dark or Light Red Meranti, White Lauan, Sipo, Sapelli, Limba, Okoumé, Obeche, Mahogany (*Swietenia* spp.) or Acajou d'Afrique, overlaid, including veneered |
| 4412.13.10.09 | Plywood; wood only, each ply 6 mm or thinner, at least 1 outer ply tropical, either Dark or Light Red Meranti, White Lauan, Sipo, Sapelli, Limba, Okoumé, Obeche, Mahogany (*Swietenia* spp.) or Acajou d'Afrique, not overlaid, or veneered |
| 4412.13.10.19 | Doorskins of Mahogany, other than Philippine |
| 4412.13.10.20 | Teak |
| 4412.13.10.30 | Other, Philippine Mahogany (Lauan) |
| 4412.13.10.80 | Other, Mahogany |
| 4412.13.10.90 | Other |
| 4412.13.11 | Okoumé |
| 4412.13.19 | Dark Red Meranti, Light Red Meranti, White Lauan, Sipo, Limba, Obeche, Acajou d'Afrique, Sapelli, Virola, Mahogany (*Swietenia* spp.), Palissandre de Rio, Palissandre de Para and Palissandre de Rose |
| 4412.13.90 | Other |
| 4412.13.90.19 | Doorskins of Mahogany, other than Philippine |
| 4412.13.90.90 | Other |
| *4412.14* | Plys all wood, each = 6 mm with at least one outer ply of non-coniferous wood |
| *4412.22* | Plys not all wood and/or at least one ply > 6mm, with at least one outer ply of tropical wood |
| 4412.22.10 | Containing at least one layer of particle board |
| 4412.22.10.00 | Whether or not painted, edge- or face-worked, but not otherwise worked or surface-covered |
| 4412.22.90.00 | Other |
| 4412.22.91 | Blockboard, laminboard and battenboard |
| *4412.23* | Plys not all wood and/or at least one ply > 6 mm, at least one outer ply non-coniferous, at least one layer of particleboard |
| *4412.92* | Plys not all wood and/or at least one ply > 6 mm, both outer plys coniferous with at least one ply of tropical wood |
| 4412.92.10.00 | Whether or not painted, edge- or face-worked, but not otherwise worked or surface-covered |
| 4412.92.90.00 | Other |
| 4412.92.99 | Other |
| *4412.99* | Other |

**Species Codes and Species Description for Indonesia**

| Species Code | Description |
|---|---|
| **Industrial Roundwood** | |
| 440349100 | White Meranti |
| 440349600 | Teak |
| 440349700 | Jelutong |
| 440349900 | Other kinds of tropical woods |
| 440399100 | Wood in the rough of other woods, for pulping |
| 440399940 | Wood in the rough of iron group |
| 440399950 | Other wood in the rough of Sandalwood, Laka |
| 440399960 | Other wood in the rough of Kuku, Perupuk, Sonokeling, Sonokembang |
| 440399990 | Wood in the rough of other woods |
| 440341100 | Dark Red Meranti, Light Red Meranti |
| 440341200 | Meranti Bakau |
| 440349300 | Keruing |
| 440349400 | Ramin |
| 440399910 | Wood in the rough of Pulai group |
| 440399970 | Other wood in the rough of Giam, Jeunjing/Sengon, Johar, Karet |
| 440399980 | Other wood in the rough of Cempakadurian Burung, Rengas, Sindur |
| 440349500 | Kapur |
| **Sawnwood** | |
| 440724100 | Sawn lengthwise but not planed, sanded of Virola, Mahogany |
| 440724200 | Sliced or peeled but not planed, sanded of Virola, Mahogany |
| 440724300 | Virola, Mahogany for parquet flooring |
| 440724900 | Other form of Virola, Mahogany |
| 440725100 | Sawn lengthwise but not planed, sanded of Dark Red Meranti |
| 440725200 | Sliced or peeled but not planed, sanded of Dark Red Meranti |
| 440725300 | Dark Red Meranti for parquet floor |
| 440725900 | Other form of Dark Red Meranti |
| 440726110 | Sawn lengthwise but not planed of White Meranti |
| 440726120 | Sawn lengthwise but not planed of Yellow Meranti |
| 440726190 | Sawn lengthwise but not planed of other White Lauan |
| 440726210 | Sliced or peeled but not planed of White Meranti |
| 440726290 | Sliced or peeled but not planed of other White Lauan |
| 440726310 | Parquet flooring of White Meranti |
| 440726390 | Parquet flooring of other White Lauan |
| 440726910 | Other forms of White Meranti, NES |
| 440726990 | Other forms of White Lauan, NES |
| 440729110 | Sawn lengthwise but not planed of Teak |
| 440729120 | Sawn lengthwise but not planed of Ramin |
| 440729130 | Sawn lengthwise but not planed of Jongkong, Jelutong, Kapur |
| 440729190 | Other sawn lengthwise but not plane tropical wood, NES |
| 440729210 | Sliced or peeled but not planed of Teak |
| 440729230 | Sliced or peeled but not planed of Jongkong, Jelutong, Kapur |
| 440729290 | Other sliced or peeled but not planed tropical wood, NES |
| 440729310 | Parquet flooring of Teak |
| 440729320 | Parquet flooring of Ramin |
| 440729330 | Parquet flooring of Jongkong, Jelutong, Kapur |
| 440729390 | Other parquet flooring of tropical wood, NES |
| 440729910 | Other forms of Teak |
| 440729920 | Other forms of Ramin |
| 440729930 | Other forms of Jongkong, Jelutong, Kapur |
| 440729990 | Other forms of tropical wood, NES |

| Species Code | Description |
|---|---|
| 440799110 | Sawn lengthwise but not planed of Ebony |
| 440799120 | Sawn lengthwise but not planed of Sandalwood |
| 440799130 | Sawn lengthwise but not planed of Kuku, Sungkai, Sonokembang |
| 440799140 | Sawn lengthwise but not planed of Giam, Jeunjing/Sengon |
| 440799150 | Sawn lengthwise but not planed of Balau, Bangkirai |
| 440799190 | Sawn lengthwise but not planed of other wood |
| 440799210 | Sliced or peeled but not planed of Ebony |
| 440799220 | Sliced or peeled but not planed of Kuku, Sungkai, Sonokembang |
| 440799230 | Sliced or peeled but not planed of Giam, Jeunjing/Sengon |
| 440799240 | Sliced or peeled but not planed of Balau, Bangkirai |
| 440799290 | Sliced or peeled but not planed of other wood |
| 440799310 | Other wood sawn, but not planed of Sandalwood |
| 440799320 | Other wood sawn, but not planed of Balau/Damar-Laut, Bangkirai |
| 440799390 | Other wood sawn, but not planed of other wood |
| 440799911 | Parquet flooring of Ebony |
| 440799912 | Parquet flooring of Sandalwood |
| 440799913 | Parquet flooring of Kuku, Sungkai, Sonokembang |
| 440799914 | Parquet flooring of Giam, Jeunjing/Sengon |
| 440799915 | Parquet flooring of Balau/Damar-Laut, Bangkirai |
| 440799919 | Parquet flooring of other wood for other purposes |
| 440799991 | Other wood sawn of Ebony for other purposes |
| 440799993 | Other wood sawn of Kuku, Sungkai, Sonokembang for other purposes |
| 440799994 | Other wood sawn of Giam, Jeunjing/Sengon for other purposes |
| 440799995 | Other wood sawn of Balau/Damar-Laut, Bangkirai for other purposes |
| 440799999 | Other wood sawn of other wood for other purposes |
| **Veneer** | |
| 440831100 | Veneer sheets of Dark Red Meranti in rotary shelled |
| 440831900 | Other veneer sheets of Dark Red Meranti |
| 440839100 | Other veneer sheets of tropical wood in rotary shelled |
| 440839900 | Other veneer sheets of tropical wood in other forms NES |
| 440890100 | Veneer sheets of other wood, peeled by rotaring |
| 440890900 | Other veneer sheets of other woods |
| **Plywood** | |
| 441213000 | Plywood with at least one outer ply of tropical wood with at least 6 mm thickness |
| 441214000 | Other plywood with at least 6 mm thickness, with at least one ply of non-coniferous |
| 441222000 | Other plywood with at least one ply tropical wood containing particle board |
| 441223000 | Other plywood with at least one ply of non-coniferous wood |
| 441229000 | Other plywood containing particle wood with at least 1 ply tropical wood |

## Table 3-1-a. Major Tropical Log Species Imported by ITTO Members

| Country | Year | Latin Name or HS Code | Pilot Name/Local Name | Volume 1000 $m^3$ | Avg. Price $/$m^3$ |
|---|---|---|---|---|---|
| Canada | 2001 | 4403.99.00.99 | (see accompanying notes) | 2 | 141 |
| Canada | 2001 | 4403.99.00.20 | | | |
| Canada | 2001 | 4403.49.00 | | 1 | 307 |
| Canada | 2002 | 4403.49.00 | (see accompanying notes) | 2 | 370 |
| Canada | 2002 | 4403.99.00.99 | | 2 | 131 |
| Canada | 2002 | 4403.99.00.20 | | | |
| Canada | 2002 | 4403.41.00 | | 0 R | 1412 |
| **EU** | | | | | |
| Denmark | 2001 | *Dalbergia spp.* | Pallisandre | | |
| Denmark | 2001 | *Ochroma spp.* | Balsa | | |
| Denmark | 2001 | *Phoebe porosa* | Imbuia | 4 | 751 |
| Denmark | 2001 | *Swietenia macrophylla* | Mahogany | | |
| Denmark | 2001 | *Virola spp.* | Virola | | |
| Denmark | 2001 | *Triplochiton scleroxylon* | Obeche | 3 | 481 |
| Denmark | 2001 | *Shorea spp.* | Dark Red Meranti | 0 R | -- |
| Denmark | 2001 | *Shorea spp.* | Meranti Bakau | | |
| Denmark | 2001 | | Others | 13 | 712 |
| Denmark | 2002 | *Shorea spp.* | Dark Red Meranti | 22 | 17 |
| Denmark | 2002 | *Shorea spp.* | Meranti Bakau | | |
| Denmark | 2002 | *Triplochiton scleroxylon* | Obeche | 3 | 591 |
| Denmark | 2002 | *Dalbergia spp.* | Pallisandre | | |
| Denmark | 2002 | *Ochroma spp.* | Balsa | | |
| Denmark | 2002 | *Phoebe porosa* | Imbuia | 2 | 633 |
| Denmark | 2002 | *Swietenia macrophylla* | Mahogany | | |
| Denmark | 2002 | *Virola spp.* | Virola | | |
| Denmark | 2002 | | Others | 10 | 823 |
| Finland | 2002 | 4403.49 | (see accompanying notes) | 0 R | -- |
| France | 2001 | 4403.49.80 | (see accompanying notes) | 331 | 189 |
| France | 2001 | 4403.49.20 | | 286 | 214 |
| France | 2001 | 4403.49.10 | | 85 | 213 |
| France | 2001 | 4403.49.40 | | 34 | 276 |
| France | 2001 | 4403.41.00 | | 0 R | 415 |
| France | 2002 | 4403.49.95 | (see accompanying notes) | 313 | 200 |
| France | 2002 | 4403.49.20 | | 222 | 221 |
| France | 2002 | 4403.49.10 | | 76 | 233 |
| France | 2002 | 4403.49.40 | | 32 | 297 |
| France | 2002 | 4403.41.00 | | 2 | 621 |
| Netherlands | 2001 | *Aucoumea klaineana* | Okoumé | 26 | 207 |
| Netherlands | 2001 | *Entandrophragma utile* | Sipo | 0 R | 358 |
| Netherlands | 2001 | *Shorea spp.* | Meranti | 0 R | 461 |
| Netherlands | 2001 | | Others | 49 | 186 |
| Netherlands | 2002 | *Aucoumea klaineana* | Okoumé | 14 | 223 |
| Netherlands | 2002 | *Shorea spp.* | Meranti | 1 | 418 |
| Netherlands | 2002 | *Entandrophragma utile* | Sipo | 0 R | 546 |
| Netherlands | 2002 | | Others | 35 | 221 |

## Table 3-1-a. Major Tropical Log Species Imported by ITTO Members

| Country | Year | Latin Name or HS Code | Pilot Name/Local Name | Volume 1000 $m^3$ | Avg. Price $/$m^3$ |
|---|---|---|---|---|---|
| Portugal* | 2001 | 4403.49.80 | | 332 I | 202 |
| Portugal* | 2001 | 4403.99.80 | | | |
| Portugal* | 2001 | 4403.49.10 | (see accompanying notes) | 82 I | 524 |
| Portugal* | 2001 | 4403.49.20 | | 3 I | 380 |
| Portugal* | 2001 | 4403.49.40 | | 3 I | 519 |
| Japan | 2001 | *Shorea rugosa* | Meranti Bakau | | |
| Japan | 2001 | *Shorea spp.* | Dark Red Meranti | 534 | 129 |
| Japan | 2001 | *Shorea spp.* | Light Red Meranti | | |
| Japan | 2001 | *Parashorea spp.* | White Seraya | | |
| Japan | 2001 | *Parashorea spp., Pentacme spp.* | White Lauan | | |
| Japan | 2001 | *Shorea albida* | Alan | 422 | 138 |
| Japan | 2001 | *Shorea spp.* | White Meranti | | |
| Japan | 2001 | *Shorea spp.* | Yellow Meranti | | |
| Japan | 2001 | *Dipterocarpus spp.* | Keruing | 318 | 149 |
| Japan | 2001 | *Dryobalanops spp.* | Kapur | | |
| Japan | 2001 | *Aucoumea klaineana* | Okoumé | | |
| Japan | 2001 | *Chlorophora spp.* | Iroko | | |
| Japan | 2001 | *Entandrophragma cylindricum* | Sapelli | | |
| Japan | 2001 | *Entandrophragma utile* | Sipo | 48 | 189 |
| Japan | 2001 | *Khaya spp.* | Acajou d'Afrique | | |
| Japan | 2001 | *Tieghemella heckelii Pierre* | Makoré | | |
| Japan | 2001 | *Triplochiton scleroxylon* | Obeche | | |
| Japan | 2001 | *Dactylocladus stenostachys* | Jongkong | | |
| Japan | 2001 | *Dyera spp.* | Jelutong | | |
| Japan | 2001 | *Gonystylus spp.* | Ramin | 24 | 108 |
| Japan | 2001 | *Intsia spp.* | Merbau | | |
| Japan | 2001 | *Koompassia malaccensis Maing.* | Kempas | | |
| Japan | 2001 | | Others | 801 | 136 |
| Japan | 2002 | *Shorea rugosa* | Meranti Bakau | | |
| Japan | 2002 | *Shorea spp.* | Dark Red Meranti | 547 | 142 |
| Japan | 2002 | *Shorea spp.* | Light Red Meranti | | |
| Japan | 2002 | *Parashorea spp.* | White Seraya | | |
| Japan | 2002 | *Parashorea spp., Pentacme spp.* | White Lauan | | |
| Japan | 2002 | *Shorea albida* | Alan | 441 | 151 |
| Japan | 2002 | *Shorea spp.* | White Meranti | | |
| Japan | 2002 | *Shorea spp.* | Yellow Meranti | | |
| Japan | 2002 | *Dipterocarpus spp.* | Keruing | 248 | 150 |
| Japan | 2002 | *Dryobalanops spp.* | Kapur | | |
| Japan | 2002 | *Aucoumea klaineana* | Okoumé | | |
| Japan | 2002 | *Chlorophora spp.* | Iroko | | |
| Japan | 2002 | *Entandrophragma cylindricum* | Sapelli | | |
| Japan | 2002 | *Entandrophragma utile* | Sipo | 29 | 204 |
| Japan | 2002 | *Khaya spp.* | Acajou d'Afrique | | |
| Japan | 2002 | *Tieghemella heckelii Pierre* | Makoré | | |
| Japan | 2002 | *Triplochiton scleroxylon* | Obeche | | |
| Japan | 2002 | *Dactylocladus stenostachys* | Jongkong | | |
| Japan | 2002 | *Dyera spp.* | Jelutong | | |
| Japan | 2002 | *Gonystylus spp.* | Ramin | 18 | 122 |
| Japan | 2002 | *Intsia spp.* | Merbau | | |
| Japan | 2002 | *Koompassia malaccensis Maing.* | Kempas | | |
| Japan | 2002 | | Others | 749 | 133 |

## Table 3-1-a. Major Tropical Log Species Imported by ITTO Members

| Country | Year | Latin Name or HS Code | Pilot Name/Local Name | Volume 1000 $m^3$ | Avg. Price $/$m^3$ |
|---|---|---|---|---|---|
| Norway | 2001 | 4403.49.00 | (see accompanying notes) | 0 R | 1435 |
| Norway | 2001 | 4403.41.00 | | 0 R | 1112 |
| Norway | 2002 | 4403.49.00 | (see accompanying notes) | 0 R | 1392 |
| Rep. of Korea | 2001 | 4403.99.90.19 | (see accompanying notes) | 363 | 121 |
| Rep. of Korea | 2001 | 4403.49.20.20 | | 58 | 146 |
| Rep. of Korea | 2001 | 4403.99.90.11 | | 51 | 102 |
| Rep. of Korea | 2001 | 4403.49.20.90 | | 42 | 133 |
| Rep. of Korea | 2001 | 4403.41.00.00 | | 17 | 147 |
| Rep. of Korea | 2001 | | Others | 23 | 150 |
| Rep. of Korea | 2002 | 4403.99.90.19 | (see accompanying notes) | 351 | 106 |
| Rep. of Korea | 2002 | 4403.99.90.11 | | 30 | 105 |
| Rep. of Korea | 2002 | 4403.49.20.90 | | 29 | 131 |
| Rep. of Korea | 2002 | 4403.49.20.20 | | 19 | 120 |
| Rep. of Korea | 2002 | 4403.41.00.00 | | 11 | 136 |
| Rep. of Korea | 2002 | | Others | 20 | 142 |
| USA | 2001 | 4403.49.00.00 | (see accompanying notes) | 1 | 386 |
| USA | 2001 | 4403.41.00.00 | | 1 | 621 |
| USA | 2002 | 4403.49.00.00 | (see accompanying notes) | 1 | 592 |
| USA | 2002 | 4403.41.00.00 | | 1 | 83 |
| Indonesia | 2001 | 4403.99.99.0 | (see accompanying notes) | 36 W | 50 |
| Indonesia | 2001 | 4403.99.10.0 | | 2 W | 3974 |
| Indonesia | 2001 | 4403.49.90.0 | | 1 W | 665 |
| Indonesia | 2001 | 4403.49.60.0 | | 1 W | 1345 |
| Indonesia | 2001 | 4403.99.96.0 | | 0 WR | 1924 |
| Indonesia | 2001 | 4403.99.95.0 | | 0 WR | 1528 |
| Indonesia | 2001 | 4403.49.70.0 | | 0 WR | 2787 |
| Indonesia | 2002 | 4403.99.96.0 | | 93 W | 1470 |
| Indonesia | 2002 | 4403.99.99.0 | (see accompanying notes) | 83 W | 55 |
| Indonesia | 2002 | 4403.49.90.0 | | 1 W | 545 |
| Indonesia | 2002 | 4403.49.10.0 | | 0 WR | 513 |
| Indonesia | 2002 | 4403.99.94.0 | | 0 WR | -- |
| Thailand | 2001 | *Tectona grandis* | Teak | 86 | 528 |
| Thailand | 2001 | *Dipterocarpus spp.* | Yang | 64 | 113 |
| Thailand | 2001 | *Anisoptera spp.* | Krabak | 28 | 116 |
| Thailand | 2001 | *Hopea spp.* | Ta-kien | 24 | 179 |
| Thailand | 2001 | *Pterocarpus spp.* | Pradu | 10 | 224 |
| Thailand | 2001 | | Maka | 4 | 360 |
| Thailand | 2001 | | Teng and rang | 0 R | 134 |
| Thailand | 2001 | | Others | 301 | 125 |
| Thailand | 2002 | *Tectona grandis* | Teak | 321 | 16 |
| Thailand | 2002 | *Anisoptera spp.* | Krabak | 53 | 161 |
| Thailand | 2002 | *Dipterocarpus spp.* | Yang | 8 | 132 |
| Thailand | 2002 | *Pterocarpus spp.* | Pradu | 7 | 176 |
| Thailand | 2002 | | Maka | 1 | 362 |
| Thailand | 2002 | *Hopea spp.* | Ta-kien | 1 | 182 |
| Thailand | 2002 | | Teng and rang | 0 R | 300 |
| Thailand | 2002 | *Hevea spp.* | Pararubber wood | 0 R | 117 |
| Thailand | 2002 | | Others | 250 | 294 |

**Table 3-1-a. Major Tropical Log Species Imported by ITTO Members**

| Country | Year | Latin Name or HS Code | Pilot Name/Local Name | Volume 1000 $m^3$ | Avg. Price $/$m^3$ |
|---|---|---|---|---|---|
| Bolivia | 2001 | | Others | 1 | 35 |
| Bolivia | 2002 | | Others | 1 | 34 |
| Trinidad & Tobago | 2001 | | Others | 2 | 144 |
| Trinidad & Tobago | 2002 | | Others | 0 R | 63 |

## Table 3-1-b. Major Tropical Sawnwood Species Imported by ITTO Members

| Country | Year | Latin Name or HS Code | Pilot Name / Local Name | Volume 1000 $m^3$ | Avg. Price $/$m^3$ |
|---|---|---|---|---|---|
| Australia* | 2001 | *Shorea rugosa* | Meranti Bakau | | |
| Australia* | 2001 | *Shorea spp.* | Dark Red Meranti | 35 | 444 |
| Australia* | 2001 | *Shorea spp.* | Light Red Meranti | | |
| Australia* | 2001 | *Dialianthera spp.* | Virola | | |
| Australia* | 2001 | *Ochroma spp.* | Balsa | 2 | 386 |
| Australia* | 2001 | *Phoebe porosa* | Imbuia | | |
| Australia* | 2001 | *Swietenia spp.* | Mahogany | | |
| Australia* | 2001 | *Parashorea spp.* | White Seraya | | |
| Australia* | 2001 | *Parashorea spp., Pentacme spp.* | White Lauan | 0 R | 620 |
| Australia* | 2001 | *Shorea spp.* | White Meranti | | |
| Australia* | 2001 | *Shorea spp.* | Yellow Meranti | | |
| Canada | 2001 | 4407.24.00 | (see accompanying notes) | 13 | 517 |
| Canada | 2001 | 4407.29.00 | | 11 | 525 |
| Canada | 2001 | 4407.99.00.90 | | 8 | 483 |
| Canada | 2001 | 4407.25.00 | | 0 R | 536 |
| Canada | 2001 | 4407.26.00 | | 0 R | 60 |
| Canada | 2002 | 4407.24.00 | (see accompanying notes) | 16 | 429 |
| Canada | 2002 | 4407.29.00.90 | | 10 | 498 |
| Canada | 2002 | 4407.99.00.90 | | 9 | 456 |
| Canada | 2002 | 4407.29.00.10 | | 2 | 668 |
| Canada | 2002 | 4407.25.00 | | 0 R | 474 |
| Canada | 2002 | 4407.26.00 | | 0 R | 166 |
| **EU** | | | | | |
| Denmark | 2001 | *Lophira spp.* | Azobé | 50 | 591 |
| Denmark | 2001 | *Dialianthera spp.* | Virola | | |
| Denmark | 2001 | *Ochroma lagopus* | Balsa | 2 | 601 |
| Denmark | 2001 | *Phoebe porosa* | Imbuia | | |
| Denmark | 2001 | *Swietenia spp.* | Mahogany | | |
| Denmark | 2001 | *Shorea negrosensis* | Red Meranti | 1 | 601 |
| Denmark | 2001 | *Shorea rugosa* | Meranti Bakau | | |
| Denmark | 2001 | | Rio- | | |
| Denmark | 2001 | | Para- | 1 | 481 |
| Denmark | 2001 | | Rosenpallisandre | | |
| Denmark | 2001 | | Others | 0 R | -- |
| Denmark | 2002 | *Lophira spp.* | Azobé | 133 | 192 |
| Denmark | 2002 | | Rio- | | |
| Denmark | 2002 | | Para- | 6 | 211 |
| Denmark | 2002 | | Rosenpallisandre | | |
| Denmark | 2002 | *Dialianthera spp.* | Virola | | |
| Denmark | 2002 | *Ochroma lagopus* | Balsa | 1 | 380 |
| Denmark | 2002 | *Phoebe porosa* | Imbuia | | |
| Denmark | 2002 | *Swietenia spp.* | Mahogany | | |
| Denmark | 2002 | *Shorea negrosensis* | Red Meranti | 0 R | -- |
| Denmark | 2002 | *Shorea rugosa* | Meranti Bakau | | |
| Denmark | 2002 | | Others | 0 R | -- |
| Finland | 2001* | 4407.29 | (see accompanying notes) | 7 | 144 |
| Finland | 2001* | 4407.24 | | 1 | 7396 |
| Finland | 2002 | 4407.29 | (see accompanying notes) | 5 | 1183 |
| Finland | 2002 | 4407.24 | | 1 | 662 |
| Finland | 2002 | 4407.99.30 | | 1 | 772 |
| Finland | 2002 | 4407.25 | | 0 R | -- |
| Finland | 2002 | 4407.99.96 | | 0 R | -- |

## Table 3-1-b. Major Tropical Sawnwood Species Imported by ITTO Members

| Country | Year | Latin Name or HS Code | Pilot Name / Local Name | Volume 1000 $m^3$ | Avg. Price $/$m^3$ |
|---|---|---|---|---|---|
| France | 2001 | 4407.29.83 - 4407.29.99 | (see accompanying notes) | 151 | 407 |
| France | 2001 | 4407.29.05 | | | |
| France | 2001 | 4407.29.30 | | 123 | 468 |
| France | 2001 | 4407.29.50 | | | |
| France | 2001 | 4407.29.69 | | | |
| France | 2001 | 4407.25.10 - 4407.25.60 | | 11 | 587 |
| France | 2001 | 4407.29.61 | | 9 | 256 |
| France | 2001 | 4407.26 | | 7 | 619 |
| France | 2001 | 4407.24 | | 6 | 461 |
| France | 2001 | 4407.29.20 | | 0 R | 297 |
| France | 2001 | 4407.25.80 | | 0 R | -- |
| France | 2001 | | Others | 89 | 398 |
| France | 2002 | 4407.29.83 - 4407.29.99 | (see accompanying notes) | 152 | 447 |
| France | 2002 | 4407.29.05 | | | |
| France | 2002 | 4407.29.30 | | 92 | 544 |
| France | 2002 | 4407.29.50 | | | |
| France | 2002 | 4407.29.69 | | | |
| France | 2002 | 4407.29.61 | | 8 | 275 |
| France | 2002 | 4407.25.10 - 4407.25.60 | | 7 | 635 |
| France | 2002 | 4407.26 | | 4 | 543 |
| France | 2002 | 4407.24 | | 2 | 897 |
| France | 2002 | 4407.29.20 | | 1 | 585 |
| France | 2002 | 4407.25.80 | | 1 | 84 |
| France | 2002 | | Others | 66 | 378 |
| Netherlands | 2001 | *Shorea spp.* | Meranti | 168 | 608 |
| Netherlands | 2001 | *Lophira spp.* | Azobé | 37 | 338 |
| Netherlands | 2001 | | Others | 183 | 413 |
| Netherlands | 2002 | *Shorea spp.* | Meranti | 184 | 612 |
| Netherlands | 2002 | *Lophira spp.* | Azobé | 24 | 343 |
| Netherlands | 2002 | | Others | 175 | 456 |
| Portugal* | 2001 | 4407.29 | (see accompanying notes) | 94 | 484 |
| Portugal* | 2001 | 4407.99 | | | |
| Portugal* | 2001 | 4407.26 | | 1 | 289 |
| Portugal* | 2001 | 4407.24 | | 0 R | -- |
| Portugal* | 2001 | 4407.25 | | 0 R | -- |
| Japan | 2001 | *Parashorea spp.* | White Seraya | | |
| Japan | 2001 | *Parashorea spp., Pentacme spp.* | White Lauan | | |
| Japan | 2001 | *Shorea albida* | Alan | 62 | 470 |
| Japan | 2001 | *Shorea spp.* | White Meranti | | |
| Japan | 2001 | *Shorea spp.* | Yellow Meranti | | |
| Japan | 2001 | *Shorea rugosa* | Meranti Bakau | | |
| Japan | 2001 | *Shorea spp.* | Dark Red Meranti | 12 | 537 |
| Japan | 2001 | *Shorea spp.* | Light Red Meranti | | |
| Japan | 2001 | *Tectona grandis* | Teak | 2 | 1830 |
| Japan | 2001 | *Cedrela spp.* | Balsa | | |
| Japan | 2001 | *Dialianthera spp.* | Virola | 1 | 795 |
| Japan | 2001 | *Phoebe porosa* | Imbuia | | |
| Japan | 2001 | *Swietenia spp.* | Mahogany | | |
| Japan | 2001 | *Euxylophora paraensis spp.* | Tsuge/Boxwood | 1 | 3131 |
| Japan | 2001 | | Tagayasan, etc. | | |
| Japan | 2001 | | Others | 523 | 488 |

## Table 3-1-b. Major Tropical Sawnwood Species Imported by ITTO Members

| Country | Year | Latin Name or HS Code | Pilot Name / Local Name | Volume 1000 $m^3$ | Avg. Price $/$m^3$ |
|---|---|---|---|---|---|
| Japan | 2002 | *Parashorea spp.* | White Seraya | | |
| Japan | 2002 | *Parashorea spp., Pentacme spp.* | White Lauan | | |
| Japan | 2002 | *Shorea albida* | Alan | 47 | 506 |
| Japan | 2002 | *Shorea spp.* | White Meranti | | |
| Japan | 2002 | *Shorea spp.* | Yellow Meranti | | |
| Japan | 2002 | *Shorea rugosa* | Meranti Bakau | | |
| Japan | 2002 | *Shorea spp.* | Dark Red Meranti | 12 | 498 |
| Japan | 2002 | *Shorea spp.* | Light Red Meranti | | |
| Japan | 2002 | *Tectona grandis* | Teak | 2 | 1558 |
| Japan | 2002 | *Cedrela spp.* | Balsa | | |
| Japan | 2002 | *Dialianthera spp.* | Virola | | |
| Japan | 2002 | *Phoebe porosa* | Imbuia | 1 | 764 |
| Japan | 2002 | *Swietenia spp.* | Mahogany | | |
| Japan | 2002 | *Euxylophora paraensis spp.* | Tsuge/Boxwood | | |
| Japan | 2002 | | Tagayasan, etc. | 1 | 2731 |
| Japan | 2002 | | Others | 484 | 457 |
| Norway | 2001 | 4407.29.00 | (see accompanying notes) | 5 | 956 |
| Norway | 2001 | 4407.24.00 | | 0 R | 718 |
| Norway | 2001 | 4407.25.00 | | 0 R | 3163 |
| Norway | 2002 | 4407.29.00 | (see accompanying notes) | 6 | 591 |
| Norway | 2002 | 4407.24.00 | | 1 | 65 |
| Norway | 2002 | 4407.25.00 | | 0 R | 541 |
| Norway | 2002 | 4407.26.00 | | 0 R | 282 |
| Rep. of Korea | 2001 | 4407.99.90.10 | (see accompanying notes) | 140 | 230 |
| Rep. of Korea | 2001 | 4407.29.90.00 | | 110 | 291 |
| Rep. of Korea | 2001 | 4407.25.00.00 | | 60 | 307 |
| Rep. of Korea | 2001 | 4407.26.00.00 | | 40 | 282 |
| Rep. of Korea | 2001 | 4407.29.10.00 | | 7 | 281 |
| Rep. of Korea | 2001 | | Others | 1 | 499 |
| Rep. of Korea | 2002 | 4407.99.90.10 | (see accompanying notes) | 134 | 243 |
| Rep. of Korea | 2002 | 4407.29.90.00 | | 129 | 301 |
| Rep. of Korea | 2002 | 4407.25.00.00 | | 61 | 315 |
| Rep. of Korea | 2002 | 4407.26.00.00 | | 35 | 243 |
| Rep. of Korea | 2002 | 4407.29.10.00 | | 8 | 315 |
| Rep. of Korea | 2002 | | Others | 0 R | -- |
| USA | 2001 | 4407.24.00.25 | (see accompanying notes) | 80 | 938 |
| USA | 2001 | 4407.29.00.90 | | 46 | 580 |
| USA | 2001 | 4407.29.00.95 | | 29 | 571 |
| USA | 2001 | 4407.24.00.30 | | 25 | 751 |
| USA | 2001 | 4407.29.00.30 | | 21 | 402 |
| USA | 2001 | 4407.24.00.90 | | 20 | 274 |
| USA | 2001 | 4407.25.00.00 | | 14 | 616 |
| USA | 2001 | 4407.26.00.00 | | 0 R | 683 |
| USA | 2001 | | Others | 42 | 608 |
| USA | 2002 | 4407.24.00.25 | (see accompanying notes) | 67 | 1041 |
| USA | 2002 | 4407.29.00.90 | | 45 | 531 |
| USA | 2002 | 4407.29.00.95 | | 22 | 554 |
| USA | 2002 | 4407.25.00.00 | | 19 | 543 |
| USA | 2002 | 4407.24.00.90 | | 16 | 263 |
| USA | 2002 | 4407.24.00.30 | | 13 | 811 |
| USA | 2002 | 4407.29.00.30 | | 13 | 347 |
| USA | 2002 | 4407.26.00.00 | | 1 | 342 |
| USA | 2002 | | Others | 35 | 689 |

## Table 3-1-b. Major Tropical Sawnwood Species Imported by ITTO Members

| Country | Year | Latin Name or HS Code | Pilot Name / Local Name | Volume 1000 $m^3$ | Avg. Price $/$m^3$ |
|---|---|---|---|---|---|
| Indonesia | 2001 | 4407.99.19.0 | (see accompanying notes) | 7 W | 485 |
| Indonesia | 2001 | 4407.29.92.0 | | 6 W | 341 |
| Indonesia | 2001 | 4407.29.11.0 | | 2 W | 1000 |
| Indonesia | 2001 | 4407.99.32.0 | | 2 W | 408 |
| Indonesia | 2001 | 4407.99.39.0 | | 1 W | 210 |
| Indonesia | 2001 | 4407.99.99.9 | | 1 W | 506 |
| Indonesia | 2001 | 4407.29.12.0 | | 0 WR | 299 |
| Indonesia | 2001 | 4407.29.91.0 | | 0 WR | 844 |
| Indonesia | 2001 | 4407.99.23.0 | | 0 WR | 398 |
| Indonesia | 2001 | 4407.26.19.0 | | 0 WR | 116 |
| Indonesia | 2001 | 4407.29.19.0 | | 0 WR | 701 |
| Indonesia | 2001 | 4407.24.20.0 | | 0 WR | 623 |
| Indonesia | 2001 | 4407.26.29.0 | | 0 WR | 697 |
| Indonesia | 2001 | 4407.99.15.0 | | 0 WR | 206 |
| Indonesia | 2001 | 4407.29.31.0 | | 0 WR | 160 |
| Indonesia | 2001 | 4407.99.99.1 | | 0 WR | 421 |
| Indonesia | 2001 | 4407.99.14.0 | | 0 WR | 288 |
| Indonesia | 2001 | 4407.29.39.0 | | 0 WR | 172 |
| Indonesia | 2001 | 4407.29.29.0 | | 0 WR | 132 |
| Indonesia | 2001 | 4407.29.13.0 | | 0 WR | 810 |
| Indonesia | 2001 | 4407.99.11.0 | | 0 WR | 553 |
| Indonesia | 2001 | 4407.99.91.4 | | 0 WR | 120 |
| Indonesia | 2001 | 4407.99.12.0 | | 0 WR | 600 |
| Indonesia | 2001 | 4407.29.99.0 | | 0 WR | 496 |
| Indonesia | 2001 | 4407.99.13.0 | | 0 WR | 870 |
| Indonesia | 2001 | 4407.26.99.0 | | 0 WR | 2314 |
| Indonesia | 2001 | 4407.99.91.9 | | 0 WR | 1166 |
| | | | | | |
| Indonesia | 2002 | 4407.99.19.0 | (see accompanying notes) | 18 W | 499 |
| Indonesia | 2002 | 4407.26.29.0 | | 2 W | 342 |
| Indonesia | 2002 | 4407.99.14.0 | | 2 W | 283 |
| Indonesia | 2002 | 4407.99.91.9 | | 1 W | 392 |
| Indonesia | 2002 | 4407.26.19.0 | | 1 W | 192 |
| Indonesia | 2002 | 4407.99.99.9 | | 0 WR | 694 |
| Indonesia | 2002 | 4407.99.39.0 | | 0 WR | 249 |
| Indonesia | 2002 | 4407.29.19.0 | | 0 WR | 482 |
| Indonesia | 2002 | 4407.99.15.0 | | 0 WR | 458 |
| Indonesia | 2002 | 4407.99.32.0 | | 0 WR | 378 |
| Indonesia | 2002 | 4407.29.93.0 | | 0 WR | 90 |
| Indonesia | 2002 | 4407.29.92.0 | | 0 WR | 364 |
| Indonesia | 2002 | 4407.99.31.0 | | 0 WR | 438 |
| Indonesia | 2002 | 4407.24.20.0 | | 0 WR | 428 |
| Indonesia | 2002 | 4407.29.31.0 | | 0 WR | 1427 |
| Indonesia | 2002 | 4407.29.91.0 | | 0 WR | 1036 |
| Indonesia | 2002 | 4407.24.90.0 | | 0 WR | 595 |
| Indonesia | 2002 | 4407.29.11.0 | | 0 WR | 541 |
| Indonesia | 2002 | 4407.26.11.0 | | 0 WR | 506 |
| Indonesia | 2002 | 4407.99.99.1 | | 0 WR | 288 |
| Indonesia | 2002 | 4407.99.91.4 | | 0 WR | 205 |
| Indonesia | 2002 | 4407.99.29.0 | | 0 WR | 741 |
| Indonesia | 2002 | 4407.99.99.4 | | 0 WR | 613 |
| Indonesia | 2002 | 4407.99.21.0 | | 0 WR | 2129 |
| Indonesia | 2002 | 4407.29.39.0 | | 0 WR | 295 |
| Indonesia | 2002 | 4407.29.33.0 | | 0 WR | 496 |
| Indonesia | 2002 | 4407.29.23.0 | | 0 WR | 520 |
| Indonesia | 2002 | 4407.29.99.0 | | 0 WR | 513 |

## Table 3-1-b. Major Tropical Sawnwood Species Imported by ITTO Members

| Country | Year | Latin Name or HS Code | Pilot Name / Local Name | Volume 1000 $m^3$ | Avg. Price $/$m^3$ |
|---|---|---|---|---|---|
| Philippines | 2001 | *Shorea spp.* | Dark Red Meranti | 0 R | -- |
| Philippines | 2001 | *Shorea spp.* | Light Red Meranti | | |
| Philippines | 2001 | | Others | 114 | 133 |
| Philippines | 2002 | *Shorea spp.* | Dark Red Meranti | 1 | 149 |
| Thailand | 2001 | *Dipterocarpus spp.* | Keruing (Yang) | 183 | 150 |
| Thailand | 2001 | *Anisoptera spp.* | Krabak | 40 | 156 |
| Thailand | 2001 | | Maka | 16 | 364 |
| Thailand | 2001 | | Teng and Rang | 12 | 212 |
| Thailand | 2001 | *Hopea spp.* | Takien | 11 | 265 |
| Thailand | 2001 | *Tectona grandis* | Teak | 6 | 573 |
| Thailand | 2001 | *Pterocarpus spp.* | Pradu | 5 | 312 |
| Thailand | 2001 | *Hevea spp.* | Para rubberwood | 0 R | 581 |
| Thailand | 2001 | | Others | 1012 | 201 |
| Thailand | 2002 | *Dipterocarpus spp.* | Keruing (Yang) | 114 | 223 |
| Thailand | 2002 | *Anisoptera spp.* | Krabak | 53 | 175 |
| Thailand | 2002 | *Hopea spp.* | Takien | 23 | 276 |
| Thailand | 2002 | | Maka | 20 | 354 |
| Thailand | 2002 | *Tectona grandis* | Teak | 20 | 506 |
| Thailand | 2002 | *Pterocarpus spp.* | Pradu | 19 | 283 |
| Thailand | 2002 | | Teng and Rang | 12 | 221 |
| Thailand | 2002 | | Others | 1663 | 136 |
| Bolivia | 2001 | | Others | 1 | 347 |
| Bolivia | 2002 | | Others | 2 | 348 |
| Trinidad & Tobago | 2001 | *Swietenia spp.* | Mahogany | 1 | 424 |
| Trinidad & Tobago | 2001 | *Cedrela spp.* | Caribbean Cedar | 0 R | 492 |
| Trinidad & Tobago | 2001 | *Ocotea rodiaei* | Greenheart | 0 R | 197 |
| Trinidad & Tobago | 2001 | *Mora spp.* | Mora | 0 R | 167 |
| Trinidad & Tobago | 2001 | | Others | 1 | 656 |
| Trinidad & Tobago | 2001 | *Swietenia spp.* | Mahogany | 1 | 436 |
| Trinidad & Tobago | 2001 | *Cedrela spp.* | Caribbean Cedar | 0 R | 884 |
| Trinidad & Tobago | 2001 | *Ocotea rodiaei* | Greenheart | 0 R | 330 |
| Trinidad & Tobago | 2001 | *Mora spp.* | Mora | 1 | 144 |
| Trinidad & Tobago | 2001 | | Others | 1 | 511 |
| Venezuela | 2001 | | Haya | 25 | -- |
| Venezuela | 2002 | *Dialianthera spp.* | Virola | 0 R | 257 |
| Venezuela | 2002 | *Ochroma spp.* | Balsa | | |
| Venezuela | 2002 | *Phoebe porosa* | Imbuia | | |
| Venezuela | 2002 | *Swietenia spp.* | Mahogany | | |

## Table 3-1-c. Major Tropical Veneer Species Imported by ITTO Members

| Country | Year | Latin Name or HS Code | Pilot Name/Local Name | Volume 1000 $m^3$ | Avg. Price $/$m^3$ |
|---|---|---|---|---|---|
| Canada | 2001 | 4408.39.00 | (see accompanying notes) | 14 | 728 |
| Canada | 2001 | 4408.90.00.29 | | 3 | 970 |
| Canada | 2001 | 4408.31.00 | | 1 | -- |
| Canada | 2001 | 4408.90.00.30 | | 1 | -- |
| Canada | 2002 | 4408.39.00 | (see accompanying notes) | 13 | 865 |
| Canada | 2002 | 4408.90.90.29 | | 3 | 895 |
| Canada | 2002 | 4408.90.90.30 | | 1 | 104 |
| Canada | 2002 | 4408.90.10.29 | | 1 | 176 |
| Canada | 2002 | 4408.31.00 | | 1 | 1299 |
| **EU** | | | | | |
| Denmark | 2001 | *Chlorophora spp.* | Iroko | | |
| Denmark | 2001 | *Dactylocladus stenostachys* | Jongkong | | |
| Denmark | 2001 | *Dipterocarpus spp.* | Keruing | | |
| Denmark | 2001 | *Dryobalanops spp.* | Kapur | | |
| Denmark | 2001 | *Dumoria spp.* | Maroke | | |
| Denmark | 2001 | *Dyera spp.* | Jelutong | | |
| Denmark | 2001 | *Entandrophragma spp.* | Tiama | | |
| Denmark | 2001 | *Gonystylus spp.* | Ramin | | |
| Denmark | 2001 | *Intsia spp.* | Merbau | | |
| Denmark | 2001 | *Koompassia malaccensis* | Kempas | | |
| Denmark | 2001 | *Lophira spp.* | Azobé | 4 | 1622 |
| Denmark | 2001 | *Lovoa spp.* | Dibetou | | |
| Denmark | 2001 | *Mansonia altissima* | Mansonia | | |
| Denmark | 2001 | *Ochroma lagopus* | Balsa | | |
| Denmark | 2001 | *Parashorea spp.* | Seraya | | |
| Denmark | 2001 | *Pycnanthus spp.* | Ilomba | | |
| Denmark | 2001 | *Shorea albida* | Alan | | |
| Denmark | 2001 | *Shorea spp.* | White Meranti | | |
| Denmark | 2001 | *Shorea spp.* | Yellow Meranti | | |
| Denmark | 2001 | *Tectona grandis* | Teak | | |
| Denmark | 2001 | | Imuai | | |
| Denmark | 2001 | *Shorea negrosensis* | Red Meranti | 2 | 961 |
| Denmark | 2001 | *Shorea rugosa* | Meranti Bakau | | |
| Denmark | 2002 | *Chlorophora spp.* | Iroko | | |
| Denmark | 2002 | *Dactylocladus stenostachys* | Jongkong | | |
| Denmark | 2002 | *Dipterocarpus spp.* | Keruing | | |
| Denmark | 2002 | *Dryobalanops spp.* | Kapur | | |
| Denmark | 2002 | *Dumoria spp.* | Maroke | | |
| Denmark | 2002 | *Dyera spp.* | Jelutong | | |
| Denmark | 2002 | *Entandrophragma spp.* | Tiama | | |
| Denmark | 2002 | *Gonystylus spp.* | Ramin | | |
| Denmark | 2002 | *Intsia spp.* | Merbau | | |
| Denmark | 2002 | *Koompassia malaccensis* | Kempas | | |
| Denmark | 2002 | *Lophira spp.* | Azobé | 7 | 959 |
| Denmark | 2002 | *Lovoa spp.* | Dibetou | | |
| Denmark | 2002 | *Mansonia altissima* | Mansonia | | |
| Denmark | 2002 | *Ochroma lagopus* | Balsa | | |
| Denmark | 2002 | *Parashorea spp.* | Seraya | | |
| Denmark | 2002 | *Pycnanthus spp.* | Ilomba | | |
| Denmark | 2002 | *Shorea albida* | Alan | | |
| Denmark | 2002 | *Shorea spp.* | White Meranti | | |
| Denmark | 2002 | *Shorea spp.* | Yellow Meranti | | |
| Denmark | 2002 | *Tectona grandis* | Teak | | |
| Denmark | 2002 | | Imuai | | |
| Denmark | 2002 | *Shorea negrosensis* | Red Meranti | 2 | 633 |
| Denmark | 2002 | *Shorea rugosa* | Meranti Bakau | | |

## Table 3-1-c. Major Tropical Veneer Species Imported by ITTO Members

| Country | Year | Latin Name or HS Code | Pilot Name/Local Name | Volume 1000 $m^3$ | Avg. Price $/$m^3$ |
|---|---|---|---|---|---|
| Finland | 2001* | 4408.39 | (see accompanying notes) | 1 | 3036 |
| Finland | 2001* | 4408.31 | | 0 R | -- |
| Finland | 2002 | 4408.39 | (see accompanying notes) | 1 | 2530 |
| Finland | 2002 | 4408.31 | | 0 R | -- |
| Finland | 2002 | 4408.9 | | 0 R | -- |
| France | 2001 | 4408.39.15-4408.39.35 | (see accompanying notes) | 39 | 739 |
| France | 2001 | 4408.39.55-4408.39.95 | | 9 | 1079 |
| France | 2001 | 4408.31 | | 0 R | 1839 |
| France | 2002 | 4408.39.15-4408.39.35 | (see accompanying notes) | 59 | 724 |
| France | 2002 | 4408.39.55-4408.39.95 | | 8 | 1306 |
| France | 2002 | 4408.31 | | 0 R | 2262 |
| Netherlands | 2001 | | Others | 5 | 971 |
| Netherlands | 2002 | | Others | 8 | 816 |
| Portugal* | 2001 | 4408.39 | | | |
| Portugal* | 2001 | 4408.90.810 | | 12 I | 873 |
| Portugal* | 2001 | 4408.90.890 | | | |
| Portugal* | 2001 | 4408.31 | (see accompanying notes) | 0 R | -- |
| Japan | 2001 | *Shorea rugosa* | Meranti Bakau | | |
| Japan | 2001 | *Shorea spp.* | Dark Red Meranti | 11 | 631 |
| Japan | 2001 | *Shorea spp.* | Light Red Meranti | | |
| Japan | 2001 | *Tectona grandis* | Teak | 0 R | -- |
| Japan | 2001 | *Dyera spp.* | Jelutong | 0 R | -- |
| Japan | 2001 | | Others | 34 | 752 |
| Japan | 2002 | *Shorea rugosa* | Meranti Bakau | | |
| Japan | 2002 | *Shorea spp.* | Dark Red Meranti | 9 | 530 |
| Japan | 2002 | *Shorea spp.* | Light Red Meranti | | |
| Japan | 2002 | *Tectona grandis* | Teak | 0 R | -- |
| Japan | 2002 | *Dyera spp.* | Jelutong | 0 R | -- |
| Japan | 2002 | | Others | 30 | 723 |
| Norway | 2001 | 4408.39.90 | (see accompanying notes) | 10 | 160 |
| Norway | 2001 | 4408.31.90 | | 0 R | 404 |
| Norway | 2001 | 4408.31.10 | | 0 R | 805 |
| Norway | 2001 | 4408.39.10 | | 0 R | 718 |
| Norway | 2002 | 4408.39.90 | (see accompanying notes) | 4 | 309 |
| Norway | 2002 | 4408.31.90 | | 0 R | 787 |
| Norway | 2002 | 4408.39.10 | | 0 R | 388 |
| Norway | 2002 | 4408.31.10 | | 0 R | 1244 |

## Table 3-1-c. Major Tropical Veneer Species Imported by ITTO Members

| Country | Year | Latin Name or HS Code | Pilot Name/Local Name | Volume 1000 $m^3$ | Avg. Price $/$m^3$ |
|---|---|---|---|---|---|
| Rep. of Korea | 2001 | 4408.39.90.00 | | 201 | 161 |
| Rep. of Korea | 2001 | 4408.39.90.90 | | | |
| Rep. of Korea | 2001 | 4408.31.10.00 | (see accompanying notes) | 2 | 221 |
| Rep. of Korea | 2001 | 4408.31.90.10 | | | |
| Rep. of Korea | 2001 | 4408.39.50.00 | | 0 R | -- |
| Rep. of Korea | 2001 | 4408.39.90.50 | | | |
| Rep. of Korea | 2001 | 4408.39.10.00 | | 0 R | -- |
| Rep. of Korea | 2001 | 4408.39.90.10 | | | |
| Rep. of Korea | 2001 | | Others | 0 R | -- |
| Rep. of Korea | 2002 | 4408.39.90.00 | | 194 | 155 |
| Rep. of Korea | 2002 | 4408.39.90.90 | | | |
| Rep. of Korea | 2002 | 4408.31.10.00 | (see accompanying notes) | 1 | 288 |
| Rep. of Korea | 2002 | 4408.31.90.10 | | | |
| Rep. of Korea | 2002 | 4408.39.50.00 | | 0 R | -- |
| Rep. of Korea | 2002 | 4408.39.90.50 | | | |
| Rep. of Korea | 2002 | 4408.39.10.00 | | 0 R | -- |
| Rep. of Korea | 2002 | 4408.39.90.10 | | | |
| Rep. of Korea | 2002 | | Others | 45 | 199 |
| USA | 2001 | 4408.39.00.00 | (see accompanying notes) | 21 | 1329 |
| USA | 2001 | 4408.31.00.00 | | 1 | 2985 |
| USA | 2002 | 4408.39.01.00 | (see accompanying notes) | 22 | 1336 |
| USA | 2002 | 4408.31.01.00 | | 0 R | 3174 |
| Indonesia | 2001 | 4408.90.10.0 | (see accompanying notes) | 2 W | 2084 |
| Indonesia | 2001 | 4408.90.90.0 | | 1 W | 2304 |
| Indonesia | 2001 | 4408.39.90.0 | | 0 WR | 2697 |
| Indonesia | 2001 | 4408.31.90.0 | | 0 WR | 2174 |
| Indonesia | 2002 | 4408.90.90.0 | (see accompanying notes) | 2 W | 1865 |
| Indonesia | 2002 | 4408.90.10.0 | | 2 W | 2463 |
| Indonesia | 2002 | 4408.39.90.0 | | 0 WR | 3896 |
| Indonesia | 2002 | 4408.31.90.0 | | 0 WR | -- |
| Indonesia | 2002 | 4408.31.10.0 | | 0 WR | -- |
| Philippines | 2001 | *Entandrophragma utile* | Sipo | 5 | 145 |
| Philippines | 2001 | *Shorea spp.* | Dark Red Meranti | | |
| Philippines | 2001 | *Shorea spp.* | Light Red Meranti | | |
| Philippines | 2001 | *Terminalia superba* | Limba | | |
| Philippines | 2001 | *Shorea spp.* | Tangile | 0 R | -- |
| Philippines | 2002 | | Lauan | 2 | 215 |
| Philippines | 2002 | *Khaya spp.* | Acajou d'Afrique | 0 R | -- |
| Philippines | 2002 | *Mitragyna spp.* | Abura | | |
| Philippines | 2002 | *Pericopsis elata* | Afromasia | | |
| Philippines | 2002 | | Others | 38 | 221 |
| Thailand | 2001 | | Others | 12 | 1061 |
| Thailand | 2002 | | Others | 18 | 893 |
| Bolivia | 2001 | | Others | 0 R | 789 |
| Bolivia | 2002 | | Others | 0 R | 903 |

## Table 3-1-c. Major Tropical Veneer Species Imported by ITTO Members

| Country | Year | Latin Name or HS Code | Pilot Name/Local Name | Volume 1000 $m^3$ | Avg. Price $/$m^3$ |
|---|---|---|---|---|---|
| Peru | 2001 | *Cedrela spp.* | Cedro | | |
| Peru | 2001 | *Chorisia spp.* | Lupuna | | |
| Peru | 2001 | *Copaifera spp.* | Copaiba | 0 R | -- |
| Peru | 2001 | *Micrandra spruceana* | Higuerilla | | |
| Peru | 2001 | *Swietenia macrophylla* | Caoba | | |
| Peru | 2002 | *Cedrela spp.* | Cedro | | |
| Peru | 2002 | *Chorisia spp.* | Lupuna | | |
| Peru | 2002 | *Copaifera spp.* | Copaiba | 0 R | -- |
| Peru | 2002 | *Micrandra spruceana* | Higuerilla | | |
| Peru | 2002 | *Swietenia macrophylla* | Caoba | | |

## Table 3-1-d. Major Tropical Plywood Species Imported by ITTO Members

| Country | Year | Latin Name or HS Code | Pilot Name/Local Name | Volume 1000 $m^3$ | Avg. Price $/$m^3$ |
|---|---|---|---|---|---|
| Canada | 2001 | 4412.13.10 | (see accompanying notes) | 191 | -- |
| Canada | 2001 | 4412.13.90.19 | | 22 | 253 |
| Canada | 2001 | 4412.13.90.13 | | 20 | 254 |
| Canada | 2001 | 4412.13.90.90 | | 17 | 199 |
| Canada | 2001 | 4412.29.00.10 | | 11 | 141 |
| Canada | 2001 | 4412.14.00.19 | | 7 | 388 |
| Canada | 2001 | 4412.14.00.90 | | 4 | 453 |
| Canada | 2001 | 4412.13.90.11 | | 3 | 383 |
| Canada | 2001 | 4412.22.90.90 | | 1 | 252 |
| Canada | 2001 | 4412.23.00.10 | | 0 R | 304 |
| Canada | 2001 | 4412.22.90.10 | | 0 R | 296 |
| Canada | 2001 | 4412.13.90.12 | | 0 R | -- |
| Canada | 2001 | 4412.22.10 | | 0 R | -- |
| Canada | 2002 | 4412.29.00.10 | (see accompanying notes) | 58 | -- |
| Canada | 2002 | 4412.13.90.19 | | 31 | 251 |
| Canada | 2002 | 4412.13.90.90 | | 23 | 230 |
| Canada | 2002 | 4412.14.00.19 | | 12 | 367 |
| Canada | 2002 | 4412.13.90.13 | | 12 | 285 |
| Canada | 2002 | 4412.13.10 | | 7 | 319 |
| Canada | 2002 | 4412.14.00.90 | | 6 | 394 |
| Canada | 2002 | 4412.23.00.10 | | 2 | 415 |
| Canada | 2002 | 4412.22.90.10 | | 1 | 264 |
| Canada | 2002 | 4412.22.90.90 | | 1 | 282 |
| Canada | 2002 | 4412.13.90.11 | | 1 | 312 |
| Canada | 2002 | 4412.22.10 | | 0 R | 241 |
| Canada | 2002 | 4412.13.90.12 | | 0 R | 301 |
| **EU** | | | | | |
| Denmark | 2001 | *Dalbergia spp.* | Pallissandre | 46 | 347 |
| Denmark | 2001 | *Dialianthera spp.* | Virola | | |
| Denmark | 2001 | *Entandrophragma cylindricum* | Sapelli | | |
| Denmark | 2001 | *Entandrophragma utile* | Sipo | | |
| Denmark | 2001 | *Khaya spp.* | Acajou | | |
| Denmark | 2001 | *Parashorea spp., Pentacme spp.* | White Lauan | | |
| Denmark | 2001 | *Shorea spp.* | Meranti | | |
| Denmark | 2001 | *Swietenia spp.* | Mahogany | | |
| Denmark | 2001 | *Terminalia superba* | Limba | | |
| Denmark | 2001 | *Triplochiton scleroxylon* | Obeche | | |
| Denmark | 2002 | *Dalbergia spp.* | Pallissandre | 43 | 356 |
| Denmark | 2002 | *Dialianthera spp.* | Virola | | |
| Denmark | 2002 | *Entandrophragma cylindricum* | Sapelli | | |
| Denmark | 2002 | *Entandrophragma utile* | Sipo | | |
| Denmark | 2002 | *Khaya spp.* | Acajou | | |
| Denmark | 2002 | *Parashorea spp., Pentacme spp.* | White Lauan | | |
| Denmark | 2002 | *Shorea spp.* | Meranti | | |
| Denmark | 2002 | *Swietenia spp.* | Mahogany | | |
| Denmark | 2002 | *Terminalia superba* | Limba | | |
| Denmark | 2002 | *Triplochiton scleroxylon* | Obeche | | |
| Finland | 2001* | 4412.13 | (see accompanying notes) | 1 | 914 |
| Finland | 2001* | 4412.22 | | 0 R | -- |
| Finland | 2001* | 4412.92 | | 0 R | -- |
| Finland | 2002 | 4412.13 | (see accompanying notes) | 1 | 695 |
| Finland | 2002 | 4412.22 | | 0 R | -- |
| Finland | 2002 | 4412.92 | | 0 R | -- |

## Table 3-1-d. Major Tropical Plywood Species Imported by ITTO Members

| Country | Year | Latin Name or HS Code | Pilot Name/Local Name | Volume 1000 $m^3$ | Avg. Price $/$m^3$ |
|---|---|---|---|---|---|
| France | 2001 | 4412.13.10 | (see accompanying notes) | 99 | 480 |
| France | 2001 | 4412.13.90 | | 11 | 623 |
| France | 2002 | 4412.13.10 | (see accompanying notes) | 85 | 523 |
| France | 2002 | 4412.13.90 | | 12 | 633 |
| Netherlands | 2001 | | Others | 225 | 510 |
| Netherlands | 2002 | | Others | 226 | 517 |
| Portugal* | 2001 | 4411.21.400 | | | |
| Portugal* | 2001 | 4411.29.20.00 | (see accompanying notes) | 18 | 610 |
| Portugal* | 2001 | 4412.13.900 | | | |
| Portugal* | 2001 | 4412.13.10 | | 1 | 434 |
| Japan | 2001 | *Entandrophragma utile* | Sipo | | |
| Japan | 2001 | *Shorea spp.* | Dark Red Meranti | 18 | 366 |
| Japan | 2001 | *Swietenia macrophylla* | Mahogany, etc. | | |
| Japan | 2001 | | Others | 4511 | 328 |
| Japan | 2002 | *Entandrophragma utile* | Sipo | | |
| Japan | 2002 | *Shorea spp.* | Dark Red Meranti | 593 | 357 |
| Japan | 2002 | *Swietenia macrophylla* | Mahogany, etc. | | |
| Japan | 2002 | | Others | 4038 | 324 |
| Norway | 2001 | 4412.13.09 | (see accompanying notes) | 4 | 465 |
| Norway | 2001 | 4412.22.00 | | 2 | 433 |
| Norway | 2001 | 4412.13.01 | | 0 R | 300 |
| Norway | 2002 | 4412.13.09 | (see accompanying notes) | 16 | 151 |
| Norway | 2002 | 4412.22.00 | | 3 | 420 |
| Norway | 2002 | 4412.13.01 | | 2 | 107 |
| Rep. of Korea | 2001 | 4412.13.40.00 | (see accompanying notes) | 433 | 259 |
| Rep. of Korea | 2001 | 4412.13.10.00 | | 233 | 248 |
| Rep. of Korea | 2001 | 4412.13.30.00 | | 170 | 247 |
| Rep. of Korea | 2001 | 4412.13.60.00 | | 100 | 236 |
| Rep. of Korea | 2001 | 4412.35.00.00 | | 69 | 285 |
| Rep. of Korea | 2001 | | Others | 17 | 277 |
| Rep. of Korea | 2002 | 4412.13.40.00 | (see accompanying notes) | 572 | 257 |
| Rep. of Korea | 2002 | 4412.13.10.00 | | 229 | 263 |
| Rep. of Korea | 2002 | 4412.13.30.00 | | 216 | 256 |
| Rep. of Korea | 2002 | 4412.13.60.00 | | 113 | 253 |
| Rep. of Korea | 2002 | 4412.35.00.00 | | 84 | 291 |
| Rep. of Korea | 2002 | | Others | 20 | 275 |
| USA | 2001 | 4412.13.40.60 | (see accompanying notes) | 751 | 263 |
| USA | 2001 | 4412.13.50.60 | | 84 | 262 |
| USA | 2001 | 4412.13.40.70 | | 70 | 353 |
| USA | 2001 | 4412.13.40.50 | | 49 | 349 |
| USA | 2001 | 4412.13.60.00 | | 20 | 251 |
| USA | 2001 | 4412.13.05.20 | | 18 | 444 |
| USA | 2001 | 4412.13.40.40 | | 15 | 528 |
| USA | 2001 | | Others | 50 | 284 |

## Table 3-1-d. Major Tropical Plywood Species Imported by ITTO Members

| Country | Year | Latin Name or HS Code | Pilot Name/Local Name | Volume 1000 $m^3$ | Avg. Price $/$m^3$ |
|---|---|---|---|---|---|
| USA | 2002 | 4412.13.40.60 | (see accompanying notes) | 921 | 263 |
| USA | 2002 | 4412.13.40.70 | | 109 | 377 |
| USA | 2002 | 4412.13.51.60 | | 101 | 259 |
| USA | 2002 | 4412.13.40.50 | | 39 | 337 |
| USA | 2002 | 4412.13.60.00 | | 23 | 293 |
| USA | 2002 | 4412.13.05.20 | | 10 | 538 |
| USA | 2002 | 4412.13.40.40 | | 7 | 567 |
| USA | 2002 | | Others | 131 | 304 |
| Indonesia | 2001 | 4412.23.00.0 | (see accompanying notes) | 0 WR | 253 |
| Indonesia | 2001 | 4412.14.00.0 | | 0 WR | 1820 |
| Indonesia | 2001 | 4412.29.00.0 | | 0 WR | 190 |
| Indonesia | 2001 | 4412.13.00.0 | | 0 WR | 555 |
| Indonesia | 2001 | 4412.22.00.0 | | 0 WR | 1884 |
| Indonesia | 2002 | 4412.13.00.0 | (see accompanying notes) | 3 W | 102 |
| Indonesia | 2002 | 4412.23.00.0 | | 0 WR | 228 |
| Indonesia | 2002 | 4412.14.00.0 | | 0 WR | 2427 |
| Indonesia | 2002 | 4412.29.00.0 | | 0 WR | 234 |
| Indonesia | 2002 | 4412.22.00.0 | | 0 WR | 4634 |
| Thailand | 2001 | | Others | 8 | 445 |
| Thailand | 2002 | | Others | 22 | 447 |
| Trinidad & Tobago | 2001 | | Others | 0 R | 682 |
| Trinidad & Tobago | 2002 | | Others | 1 | 485 |

## Table 3-2-a. Major Tropical Log Species Exported by ITTO Members

| Country | Year | Latin Name or HS Code | Pilot Name/Local Name | Volume 1000 $m^3$ | Avg. Price $/$m^3$ |
|---|---|---|---|---|---|
| Cameroon* | 2001 | *Brachystegia spp.* | Ekop | 112 | 137 |
| Cameroon* | 2001 | *Cyliocodiscus gabunensis* | Akan/Adoum | 56 | 109 |
| Cameroon* | 2001 | *Entandrophragma candollei* | Kosipo | 17 | 112 |
| Cameroon* | 2001 | *Erythrophleum spp.* | Tali | 9 | 78 |
| Cameroon* | 2001 | *Gossweilerodendron balsami-ferum* | Tola | 3 | 144 |
| Cameroon* | 2001 | *Terminalia superba* | Limba | 3 | 118 |
| Cameroon* | 2001 | *Tetraberlinia spp.* | Ekaba | 2 | 92 |
| Cameroon* | 2001 | *Triplochiton scleroxylon* | Obeche | 2 | 93 |
| Cameroon* | 2001 | | Others | 29 | 106 |
| Côte d'Ivoire | 2001 | *Tectona grandis* | Teak | 127 | 198 |
| Côte d'Ivoire | 2002 | *Tectona grandis* | Teak | 86 | 220 |
| Dem. Rep. Congo | 2001 | *Gossweilerodendron balsamiferum* | Tola | 6 | 107 |
| Dem. Rep. Congo | 2001 | *Terminalia superba* | Limba | 3 | 76 |
| Dem. Rep. Congo | 2001 | *Chlorophora spp.* | Iroko | 2 | 170 |
| Dem. Rep. Congo | 2001 | *Millettia spp.* | Wenge | 2 | 220 |
| Dem. Rep. Congo | 2001 | *Entandrophragma utile* | Sipo | 0 κ | 173 |
| Dem. Rep. Congo | 2001 | *Erythrophleum spp.* | Tali | 0 κ | 74 |
| Dem. Rep. Congo | 2001 | *Entandrophragma cylindricum* | Sapelli | 0 κ | 1357 |
| Dem. Rep. Congo | 2001 | *Entandrophragma candollei* | Kosipo | 0 κ | 1103 |
| Dem. Rep. Congo | 2001 | | Others | 2 | 120 |
| Dem. Rep. Congo | 2002 | *Gossweilerodendron balsamiferum* | Tola | 4 | 84 |
| Dem. Rep. Congo | 2002 | *Terminalia superba* | Limba | 2 | 70 |
| Dem. Rep. Congo | 2002 | *Millettia spp.* | Wenge | 2 | 187 |
| Dem. Rep. Congo | 2002 | *Entandrophragma utile* | Sipo | 2 | 171 |
| Dem. Rep. Congo | 2002 | *Entandrophragma cylindricum* | Sapelli | 1 | 148 |
| Dem. Rep. Congo | 2002 | *Chlorophora spp.* | Iroko | 1 | 171 |
| Dem. Rep. Congo | 2002 | *Erythrophleum spp.* | Tali | 1 | 80 |
| Dem. Rep. Congo | 2002 | | Others | 3 | 126 |
| Gabon* | 2001 | *Aucoumea klaineana* | Okoumé | 1483 | |
| Gabon* | 2001 | *Pterocarpus spp.* | Padouk | 114 | |
| Gabon* | 2001 | *Guilbourtia demeusei* | Kévazingo | 86 | |
| Gabon* | 2001 | *Baillonella Toxisperma* | Moabi | 73 | |
| Gabon* | 2001 | *Paraberlinia bifoliolata* | Beli | 46 | |
| Indonesia | 2001 | 4403.49.90.0 | (see accompanying notes) | 13 W | 38 |
| Indonesia | 2001 | 4403.99.99.0 | | 9 W | 98 |
| Indonesia | 2001 | 4403.99.98.0 | | 4 W | 385 |
| Indonesia | 2001 | 4403.49.30.0 | | 3 W | 74 |
| Indonesia | 2001 | 4403.41.10.0 | | 3 W | 109 |
| Indonesia | 2001 | 4403.41.20.0 | | 2 W | 171 |
| Indonesia | 2001 | 4403.99.10.0 | | 0 WR | 177 |
| Indonesia | 2001 | 4403.99.97.0 | | 0 WR | 275 |
| Indonesia | 2001 | 4403.49.60.0 | | 0 WR | 626 |
| Indonesia | 2001 | 4403.49.10.0 | | 0 WR | 724 |
| Indonesia | 2001 | 4403.49.40.0 | | 0 WR | 683 |
| Indonesia | 2001 | 4403.99.94.0 | | 0 WR | 4052 |
| Indonesia | 2001 | 4403.99.91.0 | | 0 WR | 10339 |
| Indonesia | 2002 | 4403.99.98.0 | (see accompanying notes) | 4 W | 313 |
| Indonesia | 2002 | 4403.49.90.0 | | 1 W | 225 |
| Indonesia | 2002 | 4403.99.99.0 | | 1 W | 243 |
| Indonesia | 2002 | 4403.99.97.0 | | 1 W | 243 |
| Indonesia | 2002 | 4403.41.10.0 | | 0 WR | 359 |
| Indonesia | 2002 | 4403.49.30.0 | | 0 WR | 384 |
| Indonesia | 2002 | 4403.49.10.0 | | 0 WR | 631 |
| Indonesia | 2002 | 4403.99.10.0 | | 0 WR | 189 |
| Indonesia | 2002 | 4403.49.50.0 | | 0 WR | 284 |
| Indonesia | 2002 | 4403.99.96.0 | | 0 WR | 1078 |
| Indonesia | 2002 | 4403.49.60.0 | | 0 WR | 134 |
| Indonesia | 2002 | 4403.99.91.0 | | 0 WR | 4408 |

## Table 3-2-a. Major Tropical Log Species Exported by ITTO Members

| Country | Year | Latin Name or HS Code | Pilot Name/Local Name | Volume 1000 $m^3$ | Avg. Price $/$m^3$ |
|---|---|---|---|---|---|
| Myanmar* | 2001 | *Dipterocarpus spp.* | In/Kanyin | 564 | 78 |
| Myanmar* | 2001 | *Tectona grandis* | Teak | 293 | 472 |
| Myanmar* | 2001 | *Xylia dolabriformis* | Pyinkado | 105 | 80 |
| Myanmar* | 2001 | *Pterocarpus macrocarpus* | Padauk | 30 | 90 |
| Myanmar* | 2001 | *Terminalia tomentosa* | Htaukkyant | 8 | 73 |
| Myanmar* | 2001 | *Adina cordifolia* | Hnaw | 5 | 87 |
| Myanmar* | 2001 | *Michelia champaca* | Sagawa | 3 | 99 |
| Myanmar* | 2001 | *Anisoptera scaphula* | Khaung-mu | 2 | 69 |
| Myanmar* | 2001 | *Gmelina arborea* | Yemana | 1 | 69 |
| Myanmar* | 2001 | *Hopea odorata* | Thingan | 1 | 161 |
| Myanmar* | 2001 | *Millettia pendula* | Thinwin | 0 R | 80 |
| Myanmar* | 2001 | *Lagerstroemia speciosa* | Pyima | 0 R | 121 |
| Myanmar* | 2001 | *Mitragyna rotundifolia* | Binga | 0 R | 69 |
| Myanmar* | 2001 | *Dalbergia oliveri* | Tamalan | 0 R | 136 |
| Myanmar* | 2001 | | Others | 0 R | 76 |
| Papua New Guinea* | 2001 | *Anisoptera thurifera* | PNG Mersawa | | |
| Papua New Guinea* | 2001 | *Burckella obovata/B. sorei* | Burckella | | |
| Papua New Guinea* | 2001 | *Canarium indicum* | Red Canarium | | |
| Papua New Guinea* | 2001 | *Canarium oleosum* | Grey Canarium | | |
| Papua New Guinea* | 2001 | *Dillenia papuana* | Dillenia | | |
| Papua New Guinea* | 2001 | *Dracontomelon dao* | PNG Walnut | | |
| Papua New Guinea* | 2001 | *Gluta papuana* | Hekakoro | 304 | |
| Papua New Guinea* | 2001 | *Lophopetalum torricellense* | Lophopetalum/Perupok | | |
| Papua New Guinea* | 2001 | *Octomeles sumatrana* | Erima | | |
| Papua New Guinea* | 2001 | *Palaquium warburgianum* | Pencil Cedar | | |
| Papua New Guinea* | 2001 | *Planchonella kaembachiena* | White Planchonella | | |
| Papua New Guinea* | 2001 | *Planchonella torricellensis* | Red Planchonella | | |
| Papua New Guinea* | 2001 | *Terminalia spp.* | Terminalia | | |
| Papua New Guinea* | 2001 | Group Three | (see accompanying notes) | 281 | |
| Papua New Guinea* | 2001 | Group Four | (see accompanying notes) | 242 | |
| Papua New Guinea* | 2001 | *Calophyllum* | Calophyllum | 148 | |
| Papua New Guinea* | 2001 | *Homalium foetidum* | Malas | 140 | |
| Papua New Guinea* | 2001 | Group Two | (see accompanying notes) | 125 | |
| Papua New Guinea* | 2001 | *Pometia pinnata* | Taun | 125 | |
| Papua New Guinea* | 2001 | *Intsia* | Kwila | 8 | |
| Philippines | 2001 | | Others | 0 R | -- |
| Thailand | 2001 | | Pra-du | 0 R | -- |
| Thailand | 2001 | | Pararubber wood | 0 R | -- |
| Thailand | 2001 | | Others | 0 R | 53 |
| Thailand | 2002 | *Tectona grandis* | Teak | 3 | 42 |
| Thailand | 2002 | | Others | 0 R | 18 |
| Bolivia | 2001 | | Others | 1 | 22 |
| Bolivia | 2002 | *Tabebuia spp.* | Cuchi | 2 | 53 |
| Bolivia | 2002 | *Peltogyne spp.* | Morado | 0 R | 363 |
| Guyana* | 2001 | *Peltogyne venosa* | Purpleheart | 17 | 89 |
| Guyana* | 2001 | *Chlorocardium rodiei* | Greenheart | 4 | 80 |
| Guyana* | 2001 | *Goupia glabra* | Kabukalli | 2 | 74 |
| Guyana* | 2001 | *Lecythis zabucajo* | Monkey Pot | 1 | 69 |
| Guyana* | 2001 | *Diplotropis purpurea* | Tatabu | 1 | 81 |
| Guyana* | 2001 | *Aspidosperma spp.* | Shibadan | 0 R | 66 |
| Guyana* | 2001 | | Silverballi | 0 R | 90 |
| Guyana* | 2001 | *Quassia simarouba* | Simarupa | 0 R | 88 |
| Guyana* | 2001 | | Others | 17 | 105 |
| Suriname* | 2001 | *Dycorinia guianensis* | | | |
| Suriname* | 2001 | *Goupia glabra* | | | |
| Suriname* | 2001 | *Ocotea rubra* | | | |
| Suriname* | 2001 | *Tabebuia serratifolia* | | | |

## Table 3-2-a. Major Tropical Log Species Exported by ITTO Members

| Country | Year | Latin Name or HS Code | Pilot Name/Local Name | Volume 1000 $m^3$ | Avg. Price $/$m^3$ |
|---|---|---|---|---|---|
| Trinidad & Tobago | 2001 | | Others | 0 R | 2435 |
| Trinidad & Tobago | 2002 | | Others | 0 R | 1348 |
| Canada | 2001 | 4403.99.00.99 | (see accompanying notes) | 2 | 156 |
| Canada | 2001 | 4403.99.00.20 | | | |
| Canada | 2001 | 4403.49.00 | | 0 R | 206 |
| Canada | 2002 | 4403.99.00.20 | (see accompanying notes) | 4 | 274 |
| Canada | 2002 | 4403.49.00 | | 0 R | 558 |
| **EU** | | | | | |
| Denmark | 2001 | *Dalbergia spp.* | Pallissandre | | |
| Denmark | 2001 | *Ochroma spp.* | Balsa | | |
| Denmark | 2001 | *Phoebe porosa* | Imbuia | 1 | 1562 |
| Denmark | 2001 | *Swietenia macrophylla* | Mahogany | | |
| Denmark | 2001 | *Virola spp.* | Virola | | |
| Denmark | 2001 | *Triplochiton scleroxylon* | Obeche | 0 R | -- |
| Denmark | 2001 | | Others | 1 | 961 |
| Denmark | 2002 | *Dalbergia spp.* | Pallissandre | | |
| Denmark | 2002 | *Ochroma spp.* | Balsa | | |
| Denmark | 2002 | *Phoebe porosa* | Imbuia | 6 | 296 |
| Denmark | 2002 | *Swietenia macrophylla* | Mahogany | | |
| Denmark | 2002 | *Virola spp.* | Virola | | |
| Denmark | 2002 | *Shorea spp.* | Dark Red Meranti | 1 | -- |
| Denmark | 2002 | *Shorea spp.* | Meranti Bakau | | |
| Denmark | 2002 | *Triplochiton scleroxylon* | Obeche | 0 R | -- |
| Denmark | 2002 | | Others | 32 | -- |
| Finland | 2002 | 4403.49 | (see accompanying notes) | 0 R | -- |
| France | 2001 | 4403.49.80 | (see accompanying notes) | 24 | 397 |
| France | 2001 | 4403.49.20 | | 2 | 214 |
| France | 2001 | 4403.49.10 | | 2 | 306 |
| France | 2001 | 4403.49.40 | | 1 | 344 |
| France | 2002 | 4403.49.95 | (see accompanying notes) | 24 | 404 |
| France | 2002 | 4403.49.10 | | 2 | 240 |
| France | 2002 | 4403.49.20 | | 1 | 314 |
| France | 2002 | 4403.49.40 | | 1 | 389 |
| France | 2002 | 4403.41.00 | | 0 R | 1917 |
| Netherlands | 2001 | *Shorea spp.* | Meranti | 0 R | 483 |
| Netherlands | 2001 | | Others | 0 R | 176 |
| Netherlands | 2002 | | Others | 10 | -- |
| Portugal* | 2001 | 4403.49.10 | (see accompanying notes) | 1 | 268 |
| Portugal* | 2001 | 4403.49.40 | | 0 R | -- |
| Portugal* | 2001 | 4403.49.80 | | 0 R | -- |
| Portugal* | 2001 | 4403.99.980 | | | |
| Rep. of Korea | 2001 | | Others | 0 R | -- |
| USA | 2001 | 4403.41.00.00 | (see accompanying notes) | 0 R | 236 |
| USA | 2001 | 4403.49.00.00 | | 0 R | 360 |
| USA | 2002 | 4403.49.00.00 | (see accompanying notes) | 2 | 508 |
| USA | 2002 | 4403.41.00.00 | | 1 | 181 |

## Table 3-2-b. Major Tropical Sawnwood Species Exported by ITTO Members

| Country | Year | Latin Name or HS Code | Pilot Name/Local Name | Volume 1000 $m^3$ | Avg. Price $/$m^3$ |
|---|---|---|---|---|---|
| Cameroon* | 2001 | *Afzelia spp.* | Doussie | 181 | 323 |
| Cameroon* | 2001 | *Baillonella toxisperma* | Moabi | 119 | 463 |
| Cameroon* | 2001 | *Chlorophora spp.* | Iroko | 93 | 445 |
| Cameroon* | 2001 | *Distemonanthus benthamianus* | Movingui | 56 | 286 |
| Cameroon* | 2001 | *Entandrophragma cylindricum* | Sapelli | 21 | 377 |
| Cameroon* | 2001 | *Entandrophragma utile* | Sipo | 13 | 578 |
| Cameroon* | 2001 | *Terminalia superba* | Limba | 12 | 731 |
| Cameroon* | 2001 | *Triplochiton scleroxylon* | Obeche (Ayous) | 11 | 435 |
| Cameroon* | 2001 | | Others | 125 | -- |
| Côte d'Ivoire | 2001 | *Triplochiton scléroxylon* | Samba | 109 | 220 |
| Côte d'Ivoire | 2001 | *Chlorophora excelsa* | Iroko | 96 | 384 |
| Côte d'Ivoire | 2001 | *Mitragyna ciliata* | Bahia | 35 | 308 |
| Côte d'Ivoire | 2001 | *Khaya ivoriensis* | Acajou | 29 | 254 |
| Côte d'Ivoire | 2001 | *Terminalia superba* | Fraké | 25 | 227 |
| Côte d'Ivoire | 2001 | *Terminalia ivoriensis* | Framiré | 18 | 267 |
| Côte d'Ivoire | 2001 | *Pterygota spp.* | Koto | 14 | 309 |
| Côte d'Ivoire | 2001 | *Lophira alata* | Azobé | 5 | 233 |
| Côte d'Ivoire | 2001 | | Others | 65 | 236 |
| Gabon* | 2001 | *Aucoumea klaineana* | Okoumé | 65 I | 176 |
| Gabon* | 2001 | *Distemonanthus benthamianus* | Movingui | 6 I | 165 |
| Gabon* | 2001 | *Baillonella toxisperma* | Moabi | 2 I | 572 |
| Gabon* | 2001 | *Dumoria heckelii* | Douka | 2 I | 262 |
| Gabon* | 2001 | *Nauclea diderrichii* | Bilinga | 2 I | 285 |
| Gabon* | 2001 | *Dacryodes buettneri* | Ozigo | 1 I | 263 |
| Gabon* | 2001 | *Lovoa spp.* | Dibetou | 1 I | 239 |
| Ghana | 2001 | *Triplochiton scleroxylon* | Wawa | 114 | 246 |
| Ghana | 2001 | *Terminalia superba* | Ofram | 29 | 188 |
| Ghana | 2001 | *Chlorophora excelsa* | Odoom | 14 | 553 |
| Ghana | 2001 | *Khaya ivorensis* | Mahogany | 10 | 555 |
| Ghana | 2001 | *Pterygota macrocarpa* | Koto/Kyere | 7 | 441 |
| Ghana | 2001 | | Emire | 2 | 331 |
| Ghana | 2001 | *Entandrophragma utile* | Utile | 2 | 584 |
| Ghana | 2001 | | Asanfina | 1 | 654 |
| Ghana | 2001 | | Others (35 species) | 60 | 384 |
| Ghana | 2002 | *Triplochiton scleroxylon* | Wawa | 80 | 14 |
| Ghana | 2002 | *Terminalia superba* | Ofram | 29 | 217 |
| Ghana | 2002 | *Chlorophora excelsa* | Odoom | 11 | 562 |
| Ghana | 2002 | *Khaya ivorensis* | Mahogany | 11 | 615 |
| Ghana | 2002 | *Pterygota macrocarpa* | Koto/Kyere | 7 | 458 |
| Ghana | 2002 | | Emire | 3 | 377 |
| Ghana | 2002 | *Entandrophragma utile* | Utile | 2 | 667 |
| Ghana | 2002 | | Asanfina | 1 | 634 |
| Ghana | 2002 | | Others (35 species) | 66 | 752 |
| Fiji | 2001* | *Agathis vitiensis* | | | |
| Fiji | 2001* | *Callophyllum vitiensis* | | | |
| Fiji | 2001* | *Decussocarpus vitiensis* | | 5 | 433 |
| Fiji | 2001* | *Endospermum macrophyllum* | Kauvula | | |
| Fiji | 2001* | *Myristica spp.* | Kaudamu | | |
| Fiji | 2002 | *Agathis vitiensis* | Dakua makadre | 2 | 529 |
| Fiji | 2002 | *Decussocarpus vitiensis* | | 1 | 521 |
| Fiji | 2002 | *Callophyllum vitiensis* | Damanu | 1 | 373 |
| Fiji | 2002 | *Myristica spp.* | Kaudamu | 0 R | 452 |
| Fiji | 2002 | *Dacridium nidulum* | | 0 R | 582 |
| Fiji | 2002 | *Endospermum macrophyllum* | Kauvula | 0 R | 376 |
| Fiji | 2002 | *Intia bijuga* | | 0 R | 409 |
| Fiji | 2002 | *Fagraea gracilipes* | | 0 R | 355 |

## Table 3-2-b. Major Tropical Sawnwood Species Exported by ITTO Members

| Country | Year | Latin Name or HS Code | Pilot Name/Local Name | Volume 1000 $m^3$ | | Avg. Price $/$m^3$ |
|---|---|---|---|---|---|---|
| Indonesia | 2001 | 4407.99.99.9 | (see accompanying notes) | 75 | W | 213 |
| Indonesia | 2001 | 4407.99.15.0 | | 35 | W | 437 |
| Indonesia | 2001 | 4407.29.13.0 | | 18 | W | 274 |
| Indonesia | 2001 | 4407.25.10.0 | | 17 | W | 448 |
| Indonesia | 2001 | 4407.29.93.0 | | 11 | W | 337 |
| Indonesia | 2001 | 4407.25.90.0 | | 10 | W | 345 |
| Indonesia | 2001 | 4407.24.10.0 | | 9 | W | 388 |
| Indonesia | 2001 | 4407.26.19.0 | | 5 | W | 156 |
| Indonesia | 2001 | 4407.99.91.5 | | 5 | W | 344 |
| Indonesia | 2001 | 4407.99.14.0 | | 5 | W | 369 |
| Indonesia | 2001 | 4407.99.99.4 | | 4 | W | 275 |
| Indonesia | 2001 | 4407.29.12.0 | | 3 | W | 501 |
| Indonesia | 2001 | 4407.99.19.0 | | 3 | W | 306 |
| Indonesia | 2001 | 4407.29.92.0 | | 3 | W | 347 |
| Indonesia | 2001 | 4407.29.33.0 | | 2 | W | 214 |
| Indonesia | 2001 | 4407.29.39.0 | | 2 | W | 378 |
| Indonesia | 2001 | 4407.29.31.0 | | 2 | W | 846 |
| Indonesia | 2001 | 4407.99.11.0 | | 2 | W | 433 |
| Indonesia | 2001 | 4407.26.11.0 | | 1 | W | 265 |
| Indonesia | 2001 | 4407.99.91.1 | | 1 | W | 442 |
| Indonesia | 2001 | 4407.29.19.0 | | 1 | W | 514 |
| Indonesia | 2001 | 4407.29.99.0 | | 1 | W | 372 |
| Indonesia | 2001 | 4407.99.32.0 | | 1 | W | 560 |
| Indonesia | 2001 | 4407.99.99.1 | | 1 | W | 326 |
| Indonesia | 2001 | 4407.29.11.0 | | 1 | W | 677 |
| Indonesia | 2001 | 4407.24.90.0 | | 1 | W | 422 |
| Indonesia | 2001 | 4407.99.13.0 | | 1 | W | 422 |
| Indonesia | 2001 | 4407.29.32.0 | | 1 | W | 1436 |
| Indonesia | 2001 | 4407.29.91.0 | | 1 | W | 579 |
| Indonesia | 2001 | 4407.29.29.0 | | 0 | WR | 298 |
| Indonesia | 2001 | 4407.29.23.0 | | 0 | WR | 410 |
| Indonesia | 2001 | 4407.99.91.9 | | 0 | WR | 179 |
| Indonesia | 2001 | 4407.99.29.0 | | 0 | WR | 705 |
| Indonesia | 2001 | 4407.25.20.0 | | 0 | WR | 123 |
| Indonesia | 2001 | 4407.25.30.0 | | 0 | WR | 123 |
| Indonesia | 2001 | 4407.99.23.0 | | 0 | WR | 483 |
| Indonesia | 2001 | 4407.26.12.0 | | 0 | WR | 511 |
| Indonesia | 2001 | 4407.29.21.0 | | 0 | WR | 203 |
| Indonesia | 2001 | 4407.99.99.3 | | 0 | WR | 227 |
| Indonesia | 2001 | 4407.99.24.0 | | 0 | WR | 577 |
| Indonesia | 2001 | 4407.99.12.0 | | 0 | WR | 493 |
| Indonesia | 2001 | 4407.99.91.3 | | 0 | WR | 272 |
| Indonesia | 2001 | 4407.26.39.0 | | 0 | WR | 401 |
| Indonesia | 2001 | 4407.26.91.0 | | 0 | WR | 288 |
| Indonesia | 2001 | 4407.99.39.0 | | 0 | WR | 484 |
| Indonesia | 2001 | 4407.99.91.4 | | 0 | WR | 41 |
| Indonesia | 2001 | 4407.26.29.0 | | 0 | WR | 600 |
| Indonesia | 2001 | 4407.99.22.0 | | 0 | WR | 117 |
| Indonesia | 2001 | 4407.26.21.0 | | 0 | WR | 1066 |

## Table 3-2-b. Major Tropical Sawnwood Species Exported by ITTO Members

| Country | Year | Latin Name or HS Code | Pilot Name/Local Name | Volume 1000 $m^3$ | | Avg. Price $/$m^3$ |
|---|---|---|---|---|---|---|
| Indonesia | 2002 | 4407.99.99.9 | (see accompanying notes) | 291 | W | 190 |
| Indonesia | 2002 | 4407.99.15.0 | | 41 | W | 351 |
| Indonesia | 2002 | 4407.99.99.5 | | 30 | W | 201 |
| Indonesia | 2002 | 4407.29.13.0 | | 16 | W | 271 |
| Indonesia | 2002 | 4407.29.93.0 | | 15 | W | 230 |
| Indonesia | 2002 | 4407.25.90.0 | | 13 | W | 230 |
| Indonesia | 2002 | 4407.25.10.0 | | 12 | W | 459 |
| Indonesia | 2002 | 4407.99.14.0 | | 9 | W | 271 |
| Indonesia | 2002 | 4407.29.99.0 | | 7 | W | 238 |
| Indonesia | 2002 | 4407.99.91.1 | | 7 | W | 264 |
| Indonesia | 2002 | 4407.24.10.0 | | 5 | W | 486 |
| Indonesia | 2002 | 4407.99.19.0 | | 4 | W | 267 |
| Indonesia | 2002 | 4407.29.39.0 | | 3 | W | 197 |
| Indonesia | 2002 | 4407.26.19.0 | | 2 | W | 509 |
| Indonesia | 2002 | 4407.26.99.0 | | 2 | W | 243 |
| Indonesia | 2002 | 4407.99.91.5 | | 2 | W | 330 |
| Indonesia | 2002 | 4407.29.33.0 | | 2 | W | 372 |
| Indonesia | 2002 | 4407.29.31.0 | | 2 | W | 900 |
| Indonesia | 2002 | 4407.29.19.0 | | 1 | W | 555 |
| Indonesia | 2002 | 4407.99.99.1 | | 1 | W | 240 |
| Indonesia | 2002 | 4407.99.11.0 | | 1 | W | 417 |
| Indonesia | 2002 | 4407.29.12.0 | | 1 | W | 291 |
| Indonesia | 2002 | 4407.29.11.0 | | 1 | W | 614 |
| Indonesia | 2002 | 4407.99.32.0 | | 1 | W | 489 |
| Indonesia | 2002 | 4407.29.32.0 | | 1 | W | 1313 |
| Indonesia | 2002 | 4407.99.91.3 | | 1 | W | 391 |
| Indonesia | 2002 | 4407.29.91.0 | | 1 | W | 512 |
| Indonesia | 2002 | 4407.99.99.4 | | 0 | WR | 252 |
| Indonesia | 2002 | 4407.26.31.0 | | 0 | WR | 101 |
| Indonesia | 2002 | 4407.99.24.0 | | 0 | WR | 423 |
| Indonesia | 2002 | 4407.99.13.0 | | 0 | WR | 238 |
| Indonesia | 2002 | 4407.99.23.0 | | 0 | WR | 900 |
| Indonesia | 2002 | 4407.99.39.0 | | 0 | WR | 660 |
| Indonesia | 2002 | 4407.99.91.9 | | 0 | WR | 370 |
| Indonesia | 2002 | 4407.99.12.0 | | 0 | WR | 290 |
| Indonesia | 2002 | 4407.99.91.4 | | 0 | WR | 120 |
| Indonesia | 2002 | 4407.29.21.0 | | 0 | WR | 1367 |
| Indonesia | 2002 | 4407.99.91.2 | | 0 | WR | 253 |
| Indonesia | 2002 | 4407.29.23.0 | | 0 | WR | 585 |
| Indonesia | 2002 | 4407.99.29.0 | | 0 | WR | 395 |
| Indonesia | 2002 | 4407.26.11.0 | | 0 | WR | 359 |
| Indonesia | 2002 | 4407.29.29.0 | | 0 | WR | 549 |
| Indonesia | 2002 | 4407.26.12.0 | | 0 | WR | 531 |
| Indonesia | 2002 | 4407.24.30.0 | | 0 | WR | 446 |
| Indonesia | 2002 | 4407.25.20.0 | | 0 | WR | 526 |
| Indonesia | 2002 | 4407.24.90.0 | | 0 | WR | 428 |
| Indonesia | 2002 | 4407.26.39.0 | | 0 | WR | 843 |
| Indonesia | 2002 | 4407.26.91.0 | | 0 | WR | 544 |
| Indonesia | 2002 | 4407.99.99.3 | | 0 | WR | 254 |
| Indonesia | 2002 | 4407.26.29.0 | | 0 | WR | 1117 |
| Indonesia | 2002 | 4407.99.22.0 | | 0 | WR | 430 |
| Indonesia | 2002 | 4407.26.21.0 | | 0 | WR | 522 |
| Indonesia | 2002 | 4407.24.20.0 | | 0 | WR | 552 |

## Table 3-2-b. Major Tropical Sawnwood Species Exported by ITTO Members

| Country | Year | Latin Name or HS Code | Pilot Name/Local Name | Volume 1000 $m^3$ | Avg. Price $/$m^3$ |
|---|---|---|---|---|---|
| Myanmar* | 2001 | *Tectona grandis* | Teak | 115 | 694 |
| Myanmar* | 2001 | *Xylia dolabriformis* | Pyinkado | 54 | 90 |
| Myanmar* | 2001 | *Dipterocarpus spp.* | In/Kanyin | 13 | 90 |
| Myanmar* | 2001 | *Millettia pendula* | Thinwin | 9 | 90 |
| Myanmar* | 2001 | *Pterocarpus macrocarpus* | Padauk | 6 | 89 |
| Myanmar* | 2001 | *Dalbergia oliveri* | Tamalan | 4 | 90 |
| Myanmar* | 2001 | *Hevea braziliensis* | Rubber | 3 | 90 |
| Myanmar* | 2001 | *Terminalia tomentosa* | Htaukkyant | 3 | 90 |
| Myanmar* | 2001 | *Pentacme siamensis* | Ingyin | 1 | 90 |
| Myanmar* | 2001 | *Michelia champa* | Sagawa | 0 R | 90 |
| Myanmar* | 2001 | *Bombax insigne* | Didu | 0 R | 90 |
| Myanmar* | 2001 | *Adina cordifolia* | Hnaw | 0 R | 90 |
| Myanmar* | 2001 | *Mitragyna rotundifolia* | Binga | 0 R | 90 |
| Myanmar* | 2001 | *Samanea saman* | Kokko | 0 R | 89 |
| Myanmar* | 2001 | | Others | 34 | 90 |
| Papua New Guinea* | 2001 | *Ochroma lagopus* | Balsa | 9 I | 1051 |
| Papua New Guinea* | 2001 | *Intsia* | Kwila (Intsia) | 8 I | 405 |
| Papua New Guinea* | 2001 | Group 4 | (see accompanying notes) | 5 I | 260 |
| Papua New Guinea* | 2001 | *Hevea brasiliensis* | Rubberwood | 4 I | 864 |
| Papua New Guinea* | 2001 | *Pterocarpus indicus* | Rosewood | 1 I | 434 |
| Papua New Guinea* | 2001 | *Tectona grandis* | Teak | 1 I | 854 |
| Papua New Guinea* | 2001 | *Palaquium warburgianum* | Pencil Cedar | 0 R | 293 |
| Papua New Guinea* | 2001 | *Anisoptera thurifera* | PNG Mersawa | | |
| Papua New Guinea* | 2001 | *Burckella obovata/B. sorei* | Burckella | | |
| Papua New Guinea* | 2001 | *Calophyllum* | Calophyllum | | |
| Papua New Guinea* | 2001 | *Canarium indicum* | Red Canarium | | |
| Papua New Guinea* | 2001 | *Canarium oleosum* | Grey Canarium | | |
| Papua New Guinea* | 2001 | *Dillenia papuana* | Dillenia | | |
| Papua New Guinea* | 2001 | *Dracontomelon dao* | PNG Walnut | 0 R | -- |
| Papua New Guinea* | 2001 | *Gluta papuana* | Hekakoro | | |
| Papua New Guinea* | 2001 | *Lophopetalum torricellense* | Lophopetalum/Perupok | | |
| Papua New Guinea* | 2001 | *Octomeles sumatrana* | Erima | | |
| Papua New Guinea* | 2001 | *Planchonella kaembachiena* | White Planchonella | | |
| Papua New Guinea* | 2001 | *Planchonella torricellensis* | Red Planchonella | | |
| Papua New Guinea* | 2001 | *Terminalia spp.* | Terminalia | | |
| Papua New Guinea* | 2001 | *Pometia pinnata* | Taun (pometia) | 0 R | 266 |
| Papua New Guinea* | 2001 | *Homalium foetidum* | Malas | 0 R | 336 |
| Papua New Guinea* | 2001 | *Santalum album* | Sandalwood | 0 R | 250 |
| Papua New Guinea* | 2001 | *Vitex cofassus* | Vitex | 0 R | 420 |
| Philippines | 2001 | *Agathis spp.* | Paraserianthes falcataria | 2 | 131 |
| Philippines | 2001 | *Shorea spp.* | White Lauan | 0 R | -- |
| Philippines | 2001 | *Shorea spp.* | White Meranti | | |
| Philippines | 2002 | *Agathis spp.* | Paraserianthes falcataria | 10 | 56 |
| Thailand | 2001 | *Hevea brasiliensis* | Para rubberwood | 351 | 200 |
| Thailand | 2001 | | Pra-du | 12 | 714 |
| Thailand | 2001 | *Tectona grandis* | Teak | 6 | 2413 |
| Thailand | 2001 | *Dipterocarpus spp.* | Keruing (Yang) | 0 R | 759 |
| Thailand | 2001 | | Others | 33 | 1047 |
| Thailand | 2002 | *Hevea brasiliensis* | Para rubberwood | 1514 | 75 |
| Thailand | 2002 | *Tectona grandis* | Teak | 5 | 2423 |
| Thailand | 2002 | | Pra-du | 3 | 1046 |
| Thailand | 2002 | | Teng and rang | 0 | 40 |
| Thailand | 2002 | *Dipterocarpus spp.* | Keruing (Yang) | 0 R | 31 |
| Thailand | 2002 | | Others | 37 | 974 |

## Table 3-2-b. Major Tropical Sawnwood Species Exported by ITTO Members

| Country | Year | Latin Name or HS Code | Pilot Name/Local Name | Volume 1000 $m^3$ | Avg. Price $/$m^3$ |
|---|---|---|---|---|---|
| Bolivia | 2001 | *Cedrela spp.* | Cedro | 19 | 515 |
| Bolivia | 2001 | *Swietenia macrophylla* | Mara | 7 | 887 |
| Bolivia | 2001 | *Tabebuia spp.* | Roble | 3 | 450 |
| Bolivia | 2001 | *Cariniana spp.* | Yesquero negro | 2 | 501 |
| Bolivia | 2001 | *Swietenia spp.* | Mara macho | 1 | 249 |
| Bolivia | 2001 | | Palo maria | 1 | 303 |
| Bolivia | 2001 | | | | |
| Bolivia | 2001 | *Vochysia spp.* | Cambará | 1 | 526 |
| Bolivia | 2001 | | Sauco | 0 R | 453 |
| Bolivia | 2001 | | Others | 9 | 194 |
| Bolivia | 2002 | *Cedrela spp.* | Cedro | 17 | 554 |
| Bolivia | 2002 | *Swietenia macrophylla* | Mara | 8 | 898 |
| Bolivia | 2002 | *Cariniana spp.* | Yesquero negro | 1 | 478 |
| Bolivia | 2002 | | Sauco | 1 | 329 |
| Bolivia | 2002 | *Tabebuia spp.* | Roble | 1 | 479 |
| Bolivia | 2002 | *Calophyllum brasiliense* | Palo maria | 1 | 324 |
| Bolivia | 2002 | *Triplaris guayaquilensis,* | | | |
| Bolivia | 2002 | *Vochysia spp.* | Cambará | 1 | 468 |
| Bolivia | 2002 | *Swietenia spp.* | Mara macho | 0 R | 503 |
| Bolivia | 2002 | | Others | 4 | 420 |
| Guyana* | 2001 | *Chlorocardium rodiei* | Greenheart | 6 | 407 |
| Guyana* | 2001 | *Peltogyne venosa* | Purpleheart | 4 | 391 |
| Guyana* | 2001 | *Goupia glabra* | Kabukalli | 0 R | 339 |
| Guyana* | 2001 | *Hymenae spp.* | Locust | 0 R | 449 |
| Guyana* | 2001 | *Carapa spp.* | Crabwood | 0 R | 368 |
| Guyana* | 2001 | *Mora excelsa* | Mora | 0 R | 286 |
| Guyana* | 2001 | *Diplotropis purpurea* | Tatabu | 0 R | 308 |
| Guyana* | 2001 | *Ocotea rubra* | Determa | 0 R | 390 |
| Guyana* | 2001 | | Others | 13 | 159 |
| Suriname* | 2001 | *Dycorinia guianensis* | | | |
| Suriname* | 2001 | *Goupia glabra* | | | |
| Suriname* | 2001 | *Ocotea rubra* | | | |
| Suriname* | 2001 | *Peltogyne spp.* | | | |
| Suriname* | 2001 | *Tabebuia serratifolia* | | | |
| Peru | 2001 | *Cedrela spp.* | Cedro | | |
| Peru | 2001 | *Dipteryx spp.* | Shihuahuaco | | |
| Peru | 2001 | *Juglans spp.* | Nogal | 70 | 699 |
| Peru | 2001 | *Swietenia spp.* | Caoba | | |
| Peru | 2001 | *Virola spp.* | Cumala | | |
| Peru | 2002 | *Cedrela spp.* | Cedro | | |
| Peru | 2002 | *Dipteryx spp.* | Shihuahuaco | | |
| Peru | 2002 | *Juglans spp.* | Nogal | 106 | 728 |
| Peru | 2002 | *Swietenia spp.* | Caoba | | |
| Peru | 2002 | *Virola spp.* | Cumala | | |
| Trinidad & Tobago | 2001 | *Ocotea rodiaei* | Greenheart | 0 R | 268 |
| Trinidad & Tobago | 2001 | *Swietenia spp.* | Mahogany | 0 R | 672 |
| Trinidad & Tobago | 2001 | *Cedrela spp.* | Cedar | 0 R | 455 |
| Trinidad & Tobago | 2001 | *Mora spp.* | Mora | 0 R | 4300 |
| Trinidad & Tobago | 2001 | | Others | 0 R | 1025 |
| Trinidad & Tobago | 2002 | *Ocotea rodiaei* | Greenheart | 0 R | 208 |
| Trinidad & Tobago | 2002 | *Cedrela spp.* | Cedar | 0 R | 1106 |
| Trinidad & Tobago | 2002 | *Swietenia spp.* | Mahogany | 0 R | 1374 |
| Trinidad & Tobago | 2002 | *Mora spp.* | Mora | 0 R | 392 |
| Trinidad & Tobago | 2002 | | Others | 0 R | 1143 |

## Table 3-2-b. Major Tropical Sawnwood Species Exported by ITTO Members

| Country | Year | Latin Name or HS Code | Pilot Name/Local Name | Volume 1000 $m^3$ | Avg. Price $/$m^3$ |
|---|---|---|---|---|---|
| Venezuela | 2001 | | Encina | | |
| Venezuela | 2001 | *Tabebuia pentaphylla* | Roble | 0 R | 2306 |
| Venezuela | 2001 | | Alcornoque | | |
| Venezuela | 2002 | | Encina | | |
| Venezuela | 2002 | *Tabebuia pentaphylla* | Roble | 0 R | 449 |
| Venezuela | 2002 | | Alcornoque | | |
| Australia* | 2001 | *Dialianthera spp.* | Virola | | |
| Australia* | 2001 | *Ochroma spp.* | Balsa | 0 R | 1030 |
| Australia* | 2001 | *Phoebe porosa* | Imbuia | | |
| Australia* | 2001 | *Swietenia spp.* | Mahogany | | |
| Australia* | 2001 | *Shorea rugosa* | Meranti Bakau | | |
| Australia* | 2001 | *Shorea spp.* | Dark Red Meranti | 0 R | 747 |
| Australia* | 2001 | *Shorea spp.* | Light Red Meranti | | |
| Canada | 2001 | 4407.99.00.90 | (see accompanying notes) | 2 | 674 |
| Canada | 2001 | 4407.24.00 | | 0 R | 531 |
| Canada | 2002 | 4407.99.90 | (see accompanying notes) | 6 | 531 |
| Canada | 2002 | 4407.24.00 | | 0 R | 171 |
| Canada | 2002 | 4407.29.00 | | 0 R | 983 |
| **EU** | | | | | |
| Denmark | 2001 | *Lophira spp.* | Azobé | 5 | 1322 |
| Denmark | 2001 | *Dialianthera spp.* | Virola | | |
| Denmark | 2001 | *Ochroma lagopus* | Balsa | 2 | 60 |
| Denmark | 2001 | *Phoebe porosa* | Imbuia | | |
| Denmark | 2001 | *Swietenia spp.* | Mahogany | | |
| Denmark | 2001 | | Others | 0 R | -- |
| Denmark | 2002 | *Lophira spp.* | Azobé | 12 | 644 |
| Denmark | 2002 | *Dialianthera spp.* | Virola | | |
| Denmark | 2002 | *Ochroma lagopus* | Balsa | 1 | -- |
| Denmark | 2002 | *Phoebe porosa* | Imbuia | | |
| Denmark | 2002 | *Swietenia spp.* | Mahogany | | |
| Finland | 2001* | 4407.29 | (see accompanying notes) | 0 I | 5733 |
| Finland | 2001* | 4407.24 | | 0 R | -- |
| Finland | 2001* | 4407.25 | | 0 R | -- |
| Finland | 2001* | 4407.26 | | 0 R | -- |
| Finland | 2002 | 4407.24 | (see accompanying notes) | 0 R | -- |
| Finland | 2002 | 4407.25 | | 0 R | -- |
| Finland | 2002 | 4407.29 | | 0 R | -- |
| Finland | 2002 | 4407.99.96 | | 0 R | -- |
| France | 2001 | 4407.29.83-4407.29.99 | (see accompanying notes) | 22 | 448 |
| France | 2001 | 4407.29.05 | | | |
| France | 2001 | 4407.29.30 | | 16 | 464 |
| France | 2001 | 4407.29.50 | | | |
| France | 2001 | 4407.29.69 | | | |
| France | 2001 | 4407.29.61 | | 2 | 215 |
| France | 2001 | 4407.26 | | 0 R | 382 |
| France | 2001 | 4407.24 | | 0 R | 521 |
| France | 2001 | 4407.25.80 | | 0 R | 313 |
| France | 2001 | 4407.25.10-4407.25.60 | | 0 R | 1191 |
| France | 2001 | 4407.29.20 | | 0 | 921 |
| France | 2001 | | Others | 0 R | 224 |

## Table 3-2-b. Major Tropical Sawnwood Species Exported by ITTO Members

| Country | Year | Latin Name or HS Code | Pilot Name/Local Name | Volume 1000 $m^3$ | Avg. Price $/$m^3$ |
|---|---|---|---|---|---|
| France | 2002 | 4407.29.83-4407.29.99 | (see accompanying notes) | 12 | 530 |
| France | 2002 | 4407.29.05 | | | |
| France | 2002 | 4407.29.30 | | 10 | 554 |
| France | 2002 | 4407.29.50 | | | |
| France | 2002 | 4407.29.69 | | | |
| France | 2002 | 4407.29.61 | | 2 | 239 |
| France | 2002 | 4407.25.10-4407.25.60 | | 0 R | 329 |
| France | 2002 | 4407.26 | | 0 R | 422 |
| France | 2002 | 4407.24 | | 0 R | 568 |
| France | 2002 | 4407.25.80 | | 0 R | -- |
| France | 2002 | 4407.29.20 | | 0 R | 2192 |
| France | 2002 | | Others | 1 | 464 |
| Netherlands | 2001 | *Lophira spp.* | Azobé | 21 | 425 |
| Netherlands | 2001 | *Shorea spp.* | Meranti | 7 | 621 |
| Netherlands | 2001 | | Others | 33 | 529 |
| Netherlands | 2002 | *Lophira spp.* | Azobé | 63 | 243 |
| Netherlands | 2002 | *Shorea spp.* | Meranti | 10 | 620 |
| Netherlands | 2002 | | Others | 32 | 605 |
| Portugal* | 2001 | 4407.29 | (see accompanying notes) | 6 | 365 |
| Portugal* | 2001 | 4407.99 | | | |
| Portugal* | 2001 | 4407.24 | | 0 R | -- |
| Portugal* | 2001 | 4407.25 | | 0 R | -- |
| Portugal* | 2001 | 4407.26 | | 0 R | -- |
| Japan | 2001 | *Euxylophora paraensis spp.* | Tsuge/Boxwood | 0 R | -- |
| Japan | 2001 | | Tagayasan, etc. | | |
| Japan | 2001 | *Parashorea spp.* | White Seraya | | |
| Japan | 2001 | *Parashorea spp., Pentacme spp.* | White Lauan | | |
| Japan | 2001 | *Shorea albida* | Alan | 0 R | -- |
| Japan | 2001 | *Shorea spp.* | White Meranti | | |
| Japan | 2001 | *Shorea spp.* | Yellow Meranti | | |
| Japan | 2001 | | Others | 0 R | -- |
| Japan | 2002 | *Parashorea spp.* | White Seraya | | |
| Japan | 2002 | *Parashorea spp., Pentacme spp.* | White Lauan | | |
| Japan | 2002 | *Shorea albida* | Alan | 0 R | -- |
| Japan | 2002 | *Shorea spp.* | White Meranti | | |
| Japan | 2002 | *Shorea spp.* | Yellow Meranti | | |
| Japan | 2002 | | Others | 1 | 553 |
| Norway | 2001 | 4407.26.00 | (see accompanying notes) | 0 R | 12 |
| Norway | 2001 | 4407.29.00 | | 0 R | 49 |
| Norway | 2001 | 4407.24.00 | | 0 R | 25 |
| Norway | 2002 | 4407.26.00 | (see accompanying notes) | 18 | 0 |
| Norway | 2002 | 4407.29.00 | | 11 | 1 |
| Norway | 2002 | 4407.25.00 | | 0 R | 9 |
| Rep. of Korea | 2001 | 4407.29.90.00 | (see accompanying notes) | 3 | 270 |
| Rep. of Korea | 2001 | 4407.29.10.00 | | 0 R | -- |
| Rep. of Korea | 2001 | 4407.99.90.10 | | 0 | -- |
| Rep. of Korea | 2001 | | Others | 0 | -- |
| Rep. of Korea | 2002 | 4407.29.90.00 | (see accompanying notes) | 1 | 214 |
| Rep. of Korea | 2002 | 4407.26.00.00 | | 0 R | -- |
| Rep. of Korea | 2002 | 4407.29.10.00 | | 0 R | -- |
| Rep. of Korea | 2002 | 4407.99.90.10 | | 0 R | -- |
| Rep. of Korea | 2002 | | Others | 0 R | -- |

**Table 3-2-b. Major Tropical Sawnwood Species Exported by ITTO Members**

| Country | Year | Latin Name or HS Code | Pilot Name/Local Name | Volume 1000 $m^3$ | Avg. Price $/$m^3$ |
|---|---|---|---|---|---|
| USA | 2001 | 4407.24.00.00 | (see accompanying notes) | 14 | 576 |
| USA | 2001 | 4407.26.00.00 | | 5 | 265 |
| USA | 2001 | 4407.25.00.00 | | 3 | 318 |
| USA | 2001 | 4407.29.00.00 | | 3 | 481 |
| | | | | | |
| USA | 2002 | 4407.24.00.00 | (see accompanying notes) | 24 | 444 |
| USA | 2002 | 4407.26.00.00 | | 13 | 314 |
| USA | 2002 | 4407.29.00.00 | | 3 | 633 |
| USA | 2002 | 4407.25.00.00 | | 1 | 362 |

## Table 3-2-c. Major Tropical Veneer Species Exported by ITTO Members

| Country | Year | Latin Name or HS Code | Pilot Name/Local Name | Volume 1000 $m^3$ | Avg. Price $/$m^3$ |
|---|---|---|---|---|---|
| Côte d'Ivoire | 2001 | *Ceiba pentandra* | Fromager | 75 | 202 |
| Côte d'Ivoire | 2001 | *Aningeria robusta* | Aniégré | 15 | 769 |
| Côte d'Ivoire | 2001 | *Pycnanthus angolensis* | Ilomba | 11 | 240 |
| Côte d'Ivoire | 2001 | *Bombax buonopozense* | Kapokier | 7 | 296 |
| Côte d'Ivoire | 2001 | *Pterygota spp.* | Koto | 3 | 222 |
| Côte d'Ivoire | 2001 | *Triplochiton scleroxylon* | Samba | 2 | 287 |
| Côte d'Ivoire | 2001 | *Rhodognaphalon spp.* | Kondroti | 2 | 717 |
| Côte d'Ivoire | 2001 | *Chlorophora excelsa* | Iroko | 2 | 966 |
| Côte d'Ivoire | 2001 | | Others | 4 | 1857 |
| Gabon* | 2001 | *Aucoumea klaineana* | Okoumé | 104 I | 360 |
| Ghana | 2001 | *Ceiba pentandra* | Ceiba | 67 | 222 |
| Ghana | 2001 | *Aningeria altissima* | Asanfina | 22 | 862 |
| Ghana | 2001 | *Pycnanthus angolensis* | Otie | 5 | 310 |
| Ghana | 2001 | *Antiaris africana* | Chenchen | 4 | 524 |
| Ghana | 2001 | *Pterygota macrocarpa* | Koto/Kyere | 3 | 630 |
| Ghana | 2001 | *Khaya ivorensis* | Mahogany | 2 | 1909 |
| Ghana | 2001 | *Entandrophragma cylindricum* | Sapele | 2 | 758 |
| Ghana | 2001 | | Akasa | 1 | 919 |
| Ghana | 2001 | | Others (33 species) | 9 | 589 |
| Ghana | 2002 | *Ceiba pentandra* | Ceiba | 66 | 233 |
| Ghana | 2002 | *Khaya ivorensis* | Mahogany | 19 | 183 |
| Ghana | 2002 | *Aningeria altissima* | Asanfina | 19 | 923 |
| Ghana | 2002 | *Pycnanthus angolensis* | Otie | 4 | 351 |
| Ghana | 2002 | *Antiaris africana* | Chenchen | 2 | 463 |
| Ghana | 2002 | *Pterygota macrocarpa* | Koto/Kyere | 2 | 50 |
| Ghana | 2002 | | Akasa | 1 | 936 |
| Ghana | 2002 | *Entandrophragma cylindricum* | Sapele | 0 R | 158 |
| Ghana | 2002 | | Others (33 species) | 2 | -- |
| Fiji | 2001* | *Agathis vitiensis* | | | |
| Fiji | 2001* | *Callophyllum vitiensis* | | | |
| Fiji | 2001* | *Decussocarpus vitiensis* | | | |
| Fiji | 2001* | *Endospermum macrophyllum* | | 2 | 699 |
| Fiji | 2001* | *Myristica spp.* | | | |
| Fiji | 2001* | *Sterculia vitiensis* | Waciwaci | | |
| Fiji | 2001* | | Vusavusa | | |
| Fiji | 2002 | *Myristica spp.* | Kaudamu | 0 R | 653 |
| Fiji | 2002 | *Agathis vitiensis* | Dakua makadre | 0 R | 729 |
| Fiji | 2002 | *Callophyllum vitiensis* | Damanu | 0 R | 400 |
| Fiji | 2002 | | Anita | 0 R | 618 |
| Fiji | 2002 | | Vusavusa | 0 R | 714 |
| Fiji | 2002 | *Endospermum macrophyllum* | Kauvula | 0 R | 500 |
| Fiji | 2002 | *Sterculia vitiensis* | Waciwaci | 0 R | 833 |
| Fiji | 2002 | *Dacridium nidulum* | | 0 R | 875 |
| Indonesia | 2001 | 4408.31.90.0 | (see accompanying notes) | 5 W | 256 |
| Indonesia | 2001 | 4408.90.90.0 | | 0 WR | 737 |
| Indonesia | 2001 | 4408.39.10.0 | | 0 WR | 384 |
| Indonesia | 2001 | 4408.31.10.0 | | 0 WR | 408 |
| Indonesia | 2001 | 4408.90.10.0 | | 0 WR | 391 |
| Indonesia | 2001 | 4408.39.90.0 | | 0 WR | 240 |
| Indonesia | 2002 | 4408.90.90.0 | (see accompanying notes) | 2 W | 451 |
| Indonesia | 2002 | 4408.90.10.0 | | 1 W | 142 |
| Indonesia | 2002 | 4408.31.90.0 | | 0 WR | 582 |
| Indonesia | 2002 | 4408.39.90.0 | | 0 WR | 157 |
| Indonesia | 2002 | 4408.39.10.0 | | 0 WR | 356 |
| Myanmar* | 2001 | *Tectona grandis* | Teak | 1 | 277 |
| Papua New Guinea* | 2001 | | Mixed hardwood | 20 | 531 |

## Table 3-2-c. Major Tropical Veneer Species Exported by ITTO Members

| Country | Year | Latin Name or HS Code | Pilot Name/Local Name | Volume 1000 $m^3$ | Avg. Price $/$m^3$ |
|---|---|---|---|---|---|
| Philippines | 2002 | *Shorea spp.* | Lauan | 3 | 504 |
| Thailand | 2001 | | Others | 2 | 4326 |
| Thailand | 2002 | | Others | 2 | 4292 |
| Bolivia | 2001 | *Tabebuia spp.* | Roble | 0 R | 954 |
| Bolivia | 2001 | *Platymiscium fragrans* | Tarara | 0 R | 1731 |
| Bolivia | 2001 | *Schizolobium spp.* | Serebo | 0 R | 232 |
| Bolivia | 2001 | *Triplaris guayaquilensis, Calophyllum brasiliense* | Palo maria | 0 R | 590 |
| Bolivia | 2001 | *Cedrela spp.* | Cedro | 0 R | 1765 |
| Bolivia | 2001 | | Verdolago | 0 R | 1837 |
| Bolivia | 2001 | | Picana negra | 0 R | 1307 |
| Bolivia | 2001 | | Yesquero | 0 R | 1232 |
| Bolivia | 2001 | | Others | 2 | 1028 |
| Bolivia | 2002 | *Tabebuia spp.* | Roble | 0 R | 830 |
| Bolivia | 2002 | *Cedrela spp.* | Cedro | 0 R | 1626 |
| Bolivia | 2002 | | Yesquero | 0 R | 368 |
| Bolivia | 2002 | *Platymiscium fragrans* | Tarara | 0 R | 6270 |
| Bolivia | 2002 | | Picana negra | 0 R | 3470 |
| Bolivia | 2002 | | Verdolago | 0 R | 3160 |
| Bolivia | 2002 | *Triplaris guayaquilensis, Calophyllum brasiliense* | Palo maria | 0 R | 3488 |
| Bolivia | 2002 | | Others | 1 | 3189 |
| Peru | 2001 | *Cedrela spp.* | Cedro | | |
| Peru | 2001 | *Chorisia spp.* | Lupuna | | |
| Peru | 2001 | *Copaifera spp.* | Copaiba | 1 | 462 |
| Peru | 2001 | *Micrandra spruceana* | Higuerilla | | |
| Peru | 2001 | *Swietenia macrophylla* | Caoba | | |
| Peru | 2002 | *Cedrela spp.* | Cedro | | |
| Peru | 2002 | *Chorisia spp.* | Lupuna | | |
| Peru | 2002 | *Copaifera spp.* | Copaiba | 1 | 420 |
| Peru | 2002 | *Micrandra spruceana* | Higuerilla | | |
| Peru | 2002 | *Swietenia macrophylla* | Caoba | | |
| Canada | 2001 | 4408.90.99 | | 4 | 605 |
| Canada | 2001 | 4408.31.00 | | 1 | 3 |
| Canada | 2002 | 4408.90.99 | | 2 | 912 |
| Canada | 2002 | 4408.39.00 | | 2 | 12 |
| Canada | 2002 | 4408.31.00 | | 0 R | 186 |

## Table 3-2-c. Major Tropical Veneer Species Exported by ITTO Members

| Country | Year | Latin Name or HS Code | Pilot Name/Local Name | Volume 1000 $m^3$ | Avg. Price $/$m^3$ |
|---|---|---|---|---|---|
| **EU** | | | | | |
| Denmark | 2001 | *Shorea negrosensis* | Red Meranti | 1 | 1081 |
| Denmark | 2001 | *Shorea rugosa* | Meranti Bakau | | |
| Denmark | 2001 | *Chlorophora spp.* | Iroko | | |
| Denmark | 2001 | *Dactylocladus stenostachys* | Jongkong | | |
| Denmark | 2001 | *Dipterocarpus spp.* | Keruing | | |
| Denmark | 2001 | *Dryobalanops spp.* | Kapur | | |
| Denmark | 2001 | *Dumoria spp.* | Maroke | | |
| Denmark | 2001 | *Dyera spp.* | Jelutong | | |
| Denmark | 2001 | *Entandrophragma spp.* | Tiama | | |
| Denmark | 2001 | *Gonystylus spp.* | Ramin | | |
| Denmark | 2001 | *Intsia spp.* | Merbau | | |
| Denmark | 2001 | *Koompassia malaccensis* | Kempas | | |
| Denmark | 2001 | *Lophira spp.* | Azobé | 1 | 3845 |
| Denmark | 2001 | *Lovoa spp.* | Dibetou | | |
| Denmark | 2001 | *Mansonia altissima* | Mansonia | | |
| Denmark | 2001 | *Ochroma lagopus* | Balsa | | |
| Denmark | 2001 | *Parashorea spp.* | Seraya | | |
| Denmark | 2001 | *Pycnanthus spp.* | Ilomba | | |
| Denmark | 2001 | *Shorea albida* | Alan | | |
| Denmark | 2001 | *Shorea spp.* | White Meranti | | |
| Denmark | 2001 | *Shorea spp.* | Yellow Meranti | | |
| Denmark | 2001 | *Tectona grandis* | Teak | | |
| Denmark | 2001 | | Imuai | | |
| Denmark | 2002 | *Shorea negrosensis* | Red Meranti | 1 | 507 |
| Denmark | 2002 | *Shorea rugosa* | Meranti Bakau | | |
| Denmark | 2002 | *Chlorophora spp.* | Iroko | | |
| Denmark | 2002 | *Dactylocladus stenostachys* | Jongkong | | |
| Denmark | 2002 | *Dipterocarpus spp.* | Keruing | | |
| Denmark | 2002 | *Dryobalanops spp.* | Kapur | | |
| Denmark | 2002 | *Dumoria spp.* | Maroke | | |
| Denmark | 2002 | *Dyera spp.* | Jelutong | | |
| Denmark | 2002 | *Entandrophragma spp.* | Tiama | | |
| Denmark | 2002 | *Gonystylus spp.* | Ramin | | |
| Denmark | 2002 | *Intsia spp.* | Merbau | | |
| Denmark | 2002 | *Koompassia malaccensis* | Kempas | | |
| Denmark | 2002 | *Lophira spp.* | Azobé | 0 R | -- |
| Denmark | 2002 | *Lovoa spp.* | Dibetou | | |
| Denmark | 2002 | *Mansonia altissima* | Mansonia | | |
| Denmark | 2002 | *Ochroma lagopus* | Balsa | | |
| Denmark | 2002 | *Parashorea spp.* | Seraya | | |
| Denmark | 2002 | *Pycnanthus spp.* | Ilomba | | |
| Denmark | 2002 | *Shorea albida* | Alan | | |
| Denmark | 2002 | *Shorea spp.* | White Meranti | | |
| Denmark | 2002 | *Shorea spp.* | Yellow Meranti | | |
| Denmark | 2002 | *Tectona grandis* | Teak | | |
| Denmark | 2002 | | Imuai | | |
| Finland | 2001* | 4408.31 | (see accompanying notes) | 0 R | -- |
| Finland | 2001* | 4408.39 | | 0 R | -- |
| Finland | 2002 | 4408.31 | (see accompanying notes) | 0 R | -- |
| Finland | 2002 | 4408.39 | | 0 R | -- |
| France | 2001 | 4408.39.55-4408.39.95 | (see accompanying notes) | 30 | 486 |
| France | 2001 | 4408.39.15-4408.39.35 | | 1 | 5082 |
| France | 2001 | 4408.31 | | 0 R | 1874 |
| France | 2002 | 4408.39.55-4408.39.95 | (see accompanying notes) | 29 | 452 |
| France | 2002 | 4408.39.15-4408.39.35 | | 1 | 3360 |
| France | 2002 | 4408.31 | | 0 R | 1904 |

## Table 3-2-c. Major Tropical Veneer Species Exported by ITTO Members

| Country | Year | Latin Name or HS Code | Pilot Name/Local Name | Volume 1000 $m^3$ | Avg. Price $/$m^3$ |
|---|---|---|---|---|---|
| Netherlands | 2001 | | Others | 12 | 852 |
| Netherlands | 2002 | | Others | 10 | 962 |
| Portugal* | 2001 | 4408.39 | | | |
| Portugal* | 2001 | 4408.90.810 | | 6 | 1339 |
| Portugal* | 2001 | 4408.90.890 | | | |
| Portugal* | 2001 | 4408.31 | (see accompanying notes) | 0 R | -- |
| Japan | 2001 | | Others | 1 | 1145 |
| Japan | 2002 | | Others | 1 | 1630 |
| Norway | 2001 | 4408.39.10 | (see accompanying notes) | 0 R | -- |
| Norway | 2001 | 4408.39.90 | | 0 R | -- |
| Norway | 2002 | 4408.31.90 | (see accompanying notes) | 1 | -- |
| Norway | 2002 | 4408.31.10 | | 0 R | -- |
| Norway | 2002 | 4408.39.90 | | 0 R | -- |
| Rep. of Korea | 2001 | 4408.39.50.00 | | 0 R | -- |
| Rep. of Korea | 2001 | 4408.39.90.50 | | | |
| Rep. of Korea | 2001 | 4408.39.90.00 | | 0 R | -- |
| Rep. of Korea | 2001 | 4408.39.90.90 | | | |
| Rep. of Korea | 2002 | 4408.39.50.00 | | 0 R | -- |
| Rep. of Korea | 2002 | 4408.39.90.50 | | | |
| Rep. of Korea | 2002 | 4408.39.90.00 | | 0 R | -- |
| Rep. of Korea | 2002 | 4408.39.90.90 | | | |
| Rep. of Korea | 2002 | | Others | 0 R | -- |
| USA | 2001 | 4408.39.00.00 | (see accompanying notes) | 2 | 1557 |
| USA | 2001 | 4408.31.00.00 | | 0 R | 1333 |
| USA | 2002 | 4408.39.00.00 | (see accompanying notes) | 3 | 1367 |
| USA | 2002 | 4408.31.00.00 | | 0 R | 2033 |

## Table 3-2-d. Major Tropical Plywood Species Exported by ITTO Members

| Country | Year | Latin Name or HS Code | Pilot Name/Local Name | Volume 1000 $m^3$ | Avg. Price $/$m^3$ |
|---|---|---|---|---|---|
| Côte d'Ivoire | 2001 | *Ceiba pentandra* | Fromager | 22 | 268 |
| Côte d'Ivoire | 2001 | *Bombax buonopozense* | Kapokier | 8 | 316 |
| Côte d'Ivoire | 2001 | *Pycnanthus angolensis* | Ilomba | 3 | 329 |
| Côte d'Ivoire | 2001 | | Others | 1 | 288 |
| Gabon* | 2001 | *Aucoumea klaineana* | Okoumé | 57 I | 233 |
| Ghana | 2001 | *Ceiba pentandra* | Ceiba | 39 | 247 |
| Ghana | 2001 | *Antiaris africana* | Chenchen | 13 | 268 |
| Ghana | 2001 | *Celtis spp.* | Essa | 0 R | 360 |
| Ghana | 2001 | *Pycnanthus angolensis* | Otie | 0 R | 456 |
| Ghana | 2001 | *Terminalia superba* | Ofram | 0 R | 438 |
| Ghana | 2001 | | Others (5 species) | 0 R | 351 |
| Ghana | 2002 | *Ceiba pentandra* | Ceiba | 31 | 464 |
| Ghana | 2002 | *Antiaris africana* | Chenchen | 9 | 268 |
| Ghana | 2002 | *Terminalia superba* | Ofram | 2 | 364 |
| Ghana | 2002 | *Celtis spp.* | Essa | 2 | 407 |
| Ghana | 2002 | *Pycnanthus angolensis* | Otie | 1 | -- |
| Ghana | 2002 | | Others (5 species) | 31 | -- |
| Fiji | 2001 | *Agathis vitiensis* | | | |
| Fiji | 2001 | *Callophyllum vitiensis* | | | |
| Fiji | 2001 | *Decussocarpus vitiensis* | | | |
| Fiji | 2001 | *Endospermum macrophyllum* | | 3 | 571 |
| Fiji | 2001 | *Myristica spp.* | | | |
| Fiji | 2001 | *Sterculia vitiensis* | Waciwaci | | |
| Fiji | 2001 | | Vusavusa | | |
| Fiji | 2002 | *Myristica spp.* | Kaudamu | 1 | 500 |
| Fiji | 2002 | *Agathis vitiensis* | Dakua makadre | 1 | 556 |
| Fiji | 2002 | *Callophyllum vitiensis* | Damanu | 0 R | 463 |
| Fiji | 2002 | | Vusavusa | 0 R | 606 |
| Fiji | 2002 | *Sterculia vitiensis* | Waciwaci | 0 R | 559 |
| Fiji | 2002 | | Anita | 0 R | 556 |
| Fiji | 2002 | *Palaquim fidjiense* | Bauvudi | 0 R | 536 |
| Fiji | 2002 | *Endospermum macrophyllum* | Kauvula | 0 R | 496 |
| Indonesia | 2001 | 441213000 | (see accompanying notes) | 4448 W | 299 |
| Indonesia | 2001 | 441229000 | | 141 W | 283 |
| Indonesia | 2001 | 441214000 | | 76 W | 305 |
| Indonesia | 2001 | 441222000 | | 18 W | 206 |
| Indonesia | 2001 | 441223000 | | 2 W | 222 |
| Indonesia | 2002 | 441213000 | (see accompanying notes) | 4159 W | 310 |
| Indonesia | 2002 | 441229000 | | 144 W | 302 |
| Indonesia | 2002 | 441214000 | | 76 W | 320 |
| Indonesia | 2002 | 441222000 | | 20 W | 268 |
| Indonesia | 2002 | 441223000 | | 2 W | 293 |
| Myanmar* | 2001 | *Dipterocarpus spp.* | In/Kanyin | 30 | 242 |
| Myanmar* | 2001 | *Tectona grandis* | Teak | 14 | 163 |
| Papua New Guinea* | 2001 | *Auracaria* | Hoop/Klinki | 1 | 372 |
| Philippines | 2002 | *Shorea spp.* | Lauan | 0 R | -- |
| Philippines | 2002 | *Shorea spp.* | Tangile | | |
| Thailand | 2001 | | Others | 3 | 518 |
| Thailand | 2002 | | Others | 3 | 569 |

## Table 3-2-d. Major Tropical Plywood Species Exported by ITTO Members

| Country | Year | Latin Name or HS Code | Pilot Name/Local Name | Volume 1000 $m^3$ | Avg. Price $/$m^3$ |
|---|---|---|---|---|---|
| Bolivia | 2001 | *Cedrela spp.* | Cedro | 0 R | 1615 |
| Bolivia | 2002 | | Mapajo | 0 R | 332 |
| Bolivia | 2002 | | Yesquero | 0 R | 305 |
| Bolivia | 2002 | | Bibosi | 0 R | 412 |
| Bolivia | 2002 | *Cedrela spp.* | Cedro | 0 R | 1356 |
| Bolivia | 2002 | *Tabebuia spp.* | Roble | 0 R | 586 |
| Guyana* | 2001 | *Catostemma altonsi* | Baromalli | 65 | 254 |
| Peru | 2001 | *Cedrela spp.* | Cedro | | |
| Peru | 2001 | *Chorisia spp.* | Lupuna | | |
| Peru | 2001 | *Clarisia racemosa* | Capinuri | 2 | 894 |
| Peru | 2001 | *Copaifera spp.* | Copaiba | | |
| Peru | 2001 | *Virola spp.* | Cumala | | |
| Peru | 2002 | *Cedrela spp.* | Cedro | | |
| Peru | 2002 | *Chorisia spp.* | Lupuna | | |
| Peru | 2002 | *Clarisia racemosa* | Capinuri | 0 R | 685 |
| Peru | 2002 | *Copaifera spp.* | Copaiba | | |
| Peru | 2002 | *Virola spp.* | Cumala | | |
| Suriname* | 2001 | *Dycorinia guianensis* | | | |
| Suriname* | 2001 | *Virola spp.* | | | |
| Canada | 2001 | 4412.13.00 | | 26 | 338 |
| Canada | 2001 | 4412.22.00 | | 7 | 372 |
| Canada | 2001 | 4412.29.00 | | 0 R | 385 |
| Canada | 2001 | 4412.14.90 | | 0 R | 320 |
| Canada | 2002 | 4412.13.00 | | 31 | 385 |
| Canada | 2002 | 4412.22.00 | | 7 | 244 |
| Canada | 2002 | 4412.14.90 | | 1 | -- |
| Canada | 2002 | 4412.23.00 | | 0 R | 456 |
| Canada | 2002 | 4412.29.00 | | 0 R | 172 |
| **EU** | | | | | |
| Denmark | 2001 | *Dalbergia spp.* | Pallissandre | | |
| Denmark | 2001 | *Dialianthera spp.* | Virola | | |
| Denmark | 2001 | *Entandrophragma cylindricum* | Sapelli | | |
| Denmark | 2001 | *Entandrophragma utile* | Sipo | | |
| Denmark | 2001 | *Khaya spp.* | Acajou | 6 | 601 |
| Denmark | 2001 | *Parashorea spp., Pentacme spp.* | White Lauan | | |
| Denmark | 2001 | *Shorea spp.* | Meranti | | |
| Denmark | 2001 | *Swietenia spp.* | Mahogany | | |
| Denmark | 2001 | *Terminalia superba* | Limba | | |
| Denmark | 2001 | *Triplochiton scleroxylon* | Obeche | | |
| Denmark | 2002 | *Dalbergia spp.* | Pallissandre | | |
| Denmark | 2002 | *Dialianthera spp.* | Virola | | |
| Denmark | 2002 | *Entandrophragma cylindricum* | Sapelli | | |
| Denmark | 2002 | *Entandrophragma utile* | Sipo | | |
| Denmark | 2002 | *Khaya spp.* | Acajou | 14 | 371 |
| Denmark | 2002 | *Parashorea spp., Pentacme spp.* | White Lauan | | |
| Denmark | 2002 | *Shorea spp.* | Meranti | | |
| Denmark | 2002 | *Swietenia spp.* | Mahogany | | |
| Denmark | 2002 | *Terminalia superba* | Limba | | |
| Denmark | 2002 | *Triplochiton scleroxylon* | Obeche | | |
| Finland | 2001* | 4412.130 | (see accompanying notes) | 0 R | -- |
| Finland | 2001* | 4412.220 | | 0 R | -- |
| Finland | 2001* | 4412.920 | | 0 R | -- |

## Table 3-2-d. Major Tropical Plywood Species Exported by ITTO Members

| Country | Year | Latin Name or HS Code | Pilot Name/Local Name | Volume 1000 $m^3$ | Avg. Price $/$m^3$ |
|---|---|---|---|---|---|
| Finland | 2002 | 4412.130 | (see accompanying notes) | 0 R | -- |
| Finland | 2002 | 4412.220 | | 0 R | -- |
| Finland | 2002 | 4412.920 | | 0 R | -- |
| France | 2001 | 4412.13.10 | (see accompanying notes) | 121 | 903 |
| France | 2001 | 4412.13.90 | | 2 | 1480 |
| France | 2002 | 4412.13.10 | (see accompanying notes) | 108 | 947 |
| France | 2002 | 4412.13.90 | | 1 | 1112 |
| Netherlands | 2001 | | Others | 30 | 652 |
| Netherlands | 2002 | | Others | 27 | 705 |
| Portugal* | 2001 | 4412.13.10 | (see accompanying notes) | 0 R | -- |
| Portugal* | 2001 | 4411.21.400 | | | |
| Portugal* | 2001 | 4411.29.2000 | | 0 R | -- |
| Portugal* | 2001 | 4412.13.900 | | | |
| Japan | 2001 | | Others | 1 | 1658 |
| Japan | 2002 | | Others | 2 | 834 |
| Norway | 2001 | 4412.13.01 | (see accompanying notes) | 1 | -- |
| Norway | 2001 | 4412.13.09 | | 0 R | -- |
| Norway | 2001 | 4412.22.00 | | 0 R | -- |
| Norway | 2002 | 4412.13.09 | (see accompanying notes) | 7 | -- |
| Norway | 2002 | 4412.13.01 | | 6 | -- |
| Norway | 2002 | 4412.22.00 | | 0 R | -- |
| Rep. of Korea | 2001 | 4412.13.40.00 | (see accompanying notes) | 1 | 688 |
| Rep. of Korea | 2001 | 4412.13.10.00 | | 0 R | -- |
| Rep. of Korea | 2001 | 4412.13.30.00 | | 0 R | -- |
| Rep. of Korea | 2001 | 4412.13.60.00 | | 0 R | -- |
| Rep. of Korea | 2001 | 4412.13.50.00 | | 0 R | -- |
| Rep. of Korea | 2001 | | Others | 1 | -- |
| Rep. of Korea | 2002 | 4412.13.40.00 | (see accompanying notes) | 0 R | -- |
| Rep. of Korea | 2002 | 4412.13.30.00 | | 0 R | -- |
| Rep. of Korea | 2002 | 4412.13.60.00 | | 0 R | -- |
| Rep. of Korea | 2002 | 4412.13.50.00 | | 0 R | -- |
| Rep. of Korea | 2002 | | Others | 1 | -- |
| USA | 2001 | 4412.13.00.00 | (see accompanying notes) | 25 | 353 |
| USA | 2002 | 4412.13.00.02 | (see accompanying notes) | 31 | 350 |

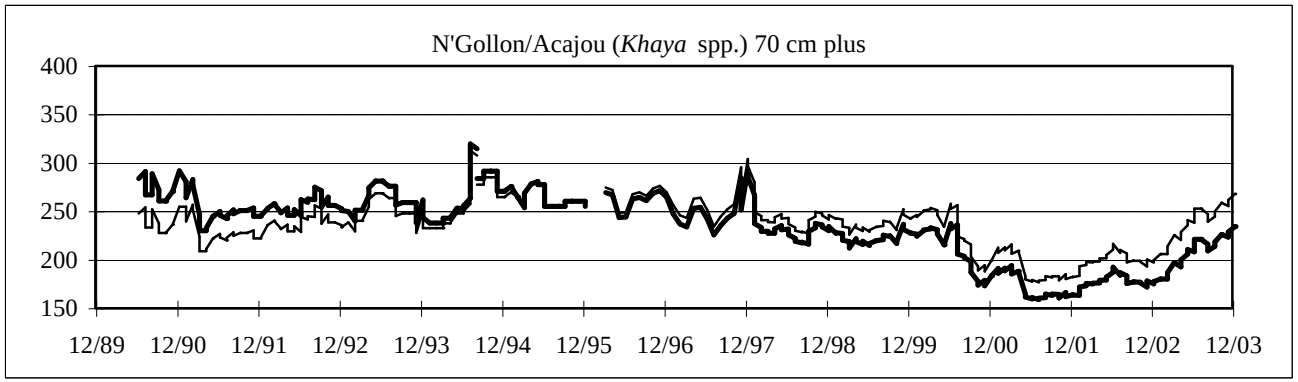
# Appendix 4

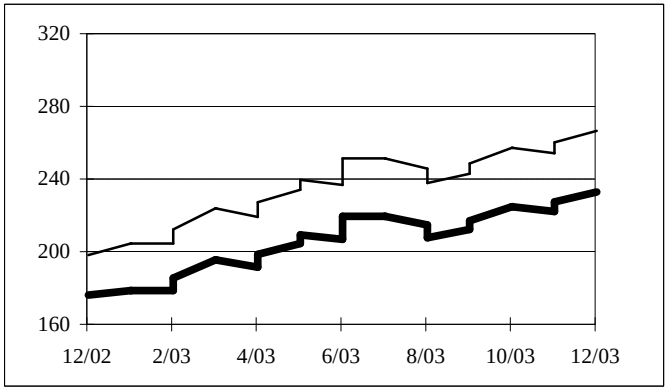
# Prices of Major Tropical Timber

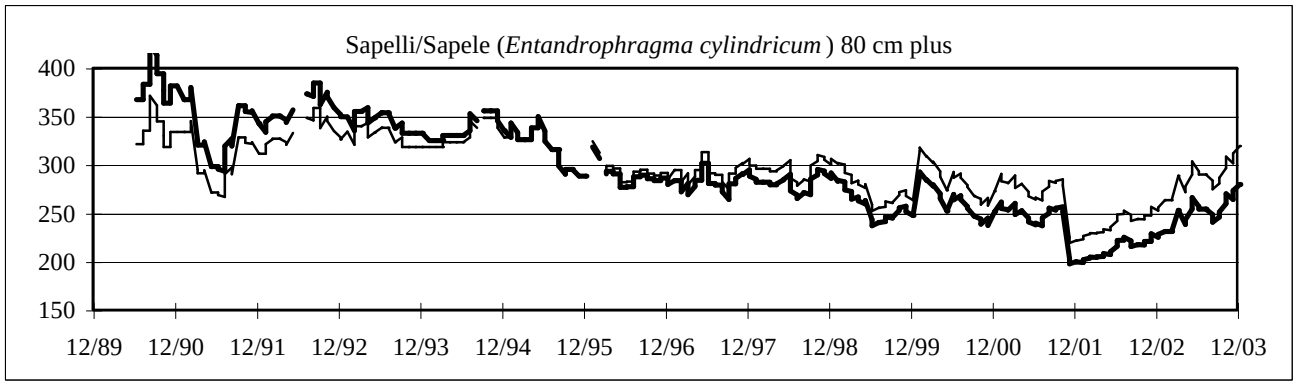
# and Selected Competing Softwood Products

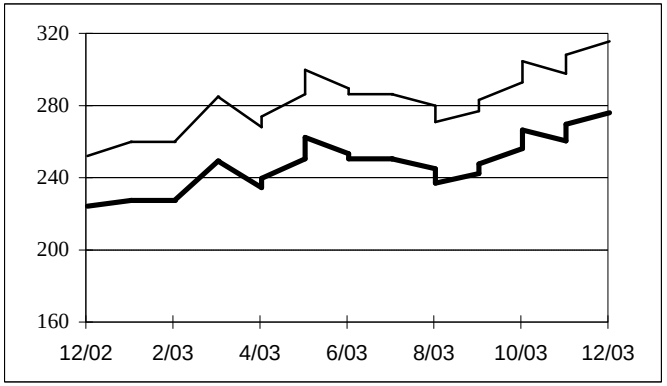
## 4-1-a. Price of Cameroonian Logs, 1990-2003

Bold lines show FOB prices in constant 1995 US$ per cubic meter (deflated by the G-5 MUV Index used by the World Bank for deriving real commodity prices).
Normal lines show nominal FOB price trends. Graphs on this page show major log export species from Cameroon. Grades are Loyal et Marchand or equivalent.



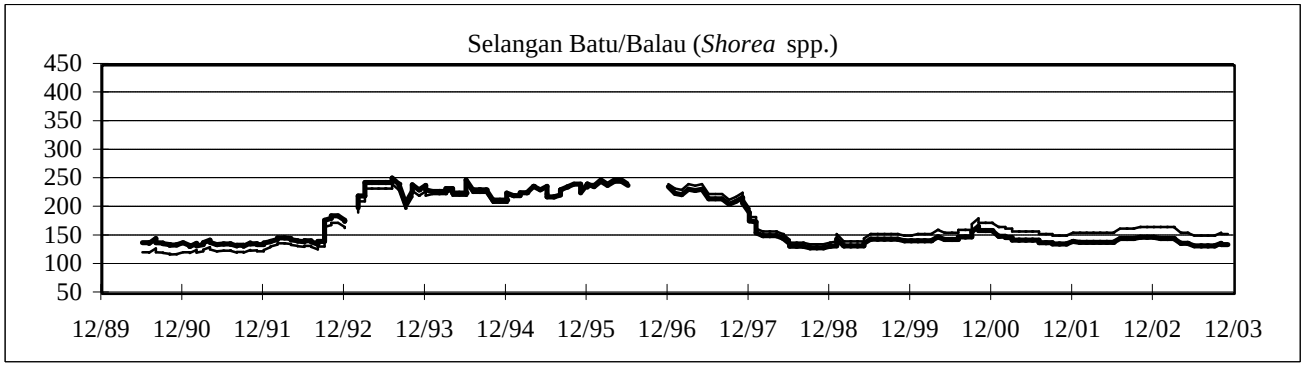



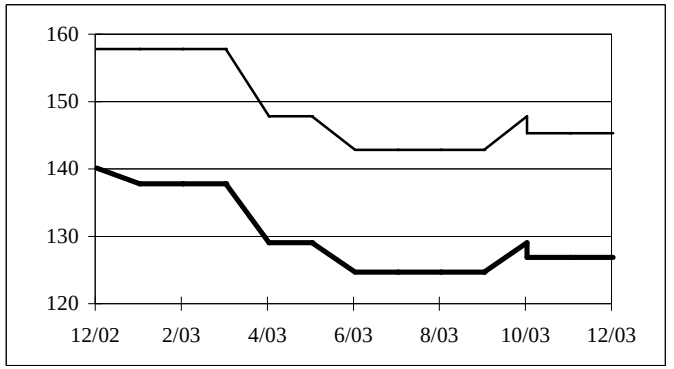



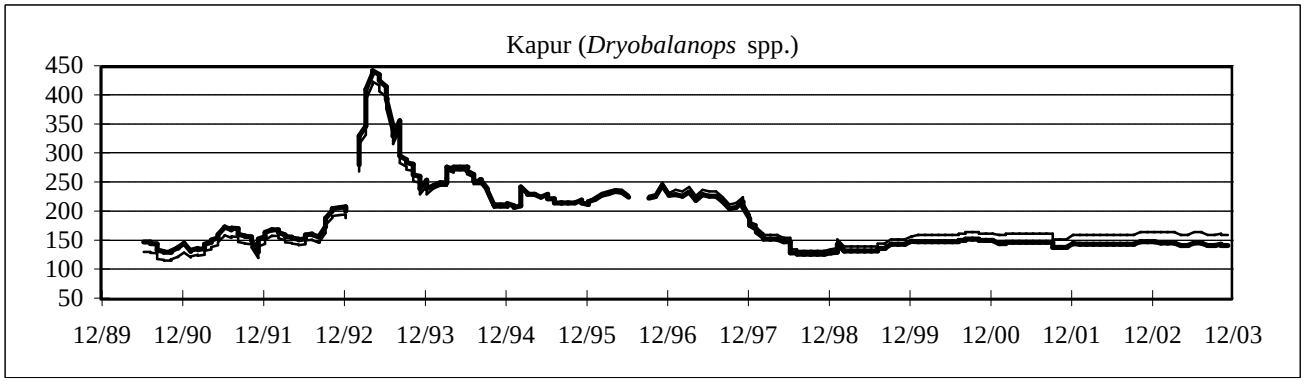



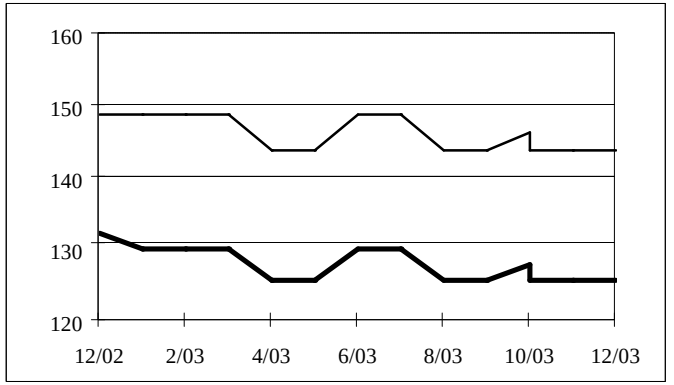
## 4-1-b. Price of Malaysian Logs, 1990-2003

Bold lines show FOB prices in constant 1995 US$ per cubic meter (deflated by the G-5 MUV Index used by the World Bank for deriving real commodity prices).
Normal lines show nominal FOB price trends. Graphs on this page show major log export species from Malaysia. Grades are Sawmill Quality and up.



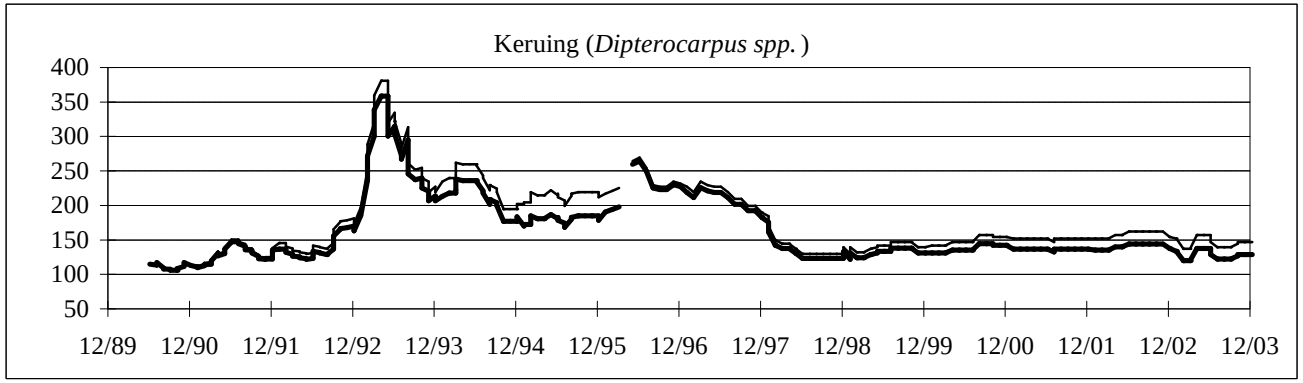



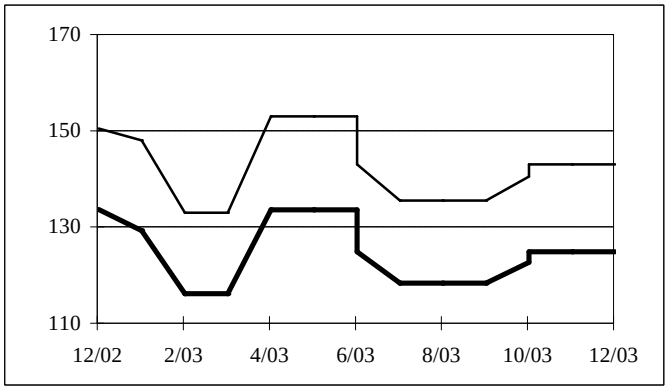



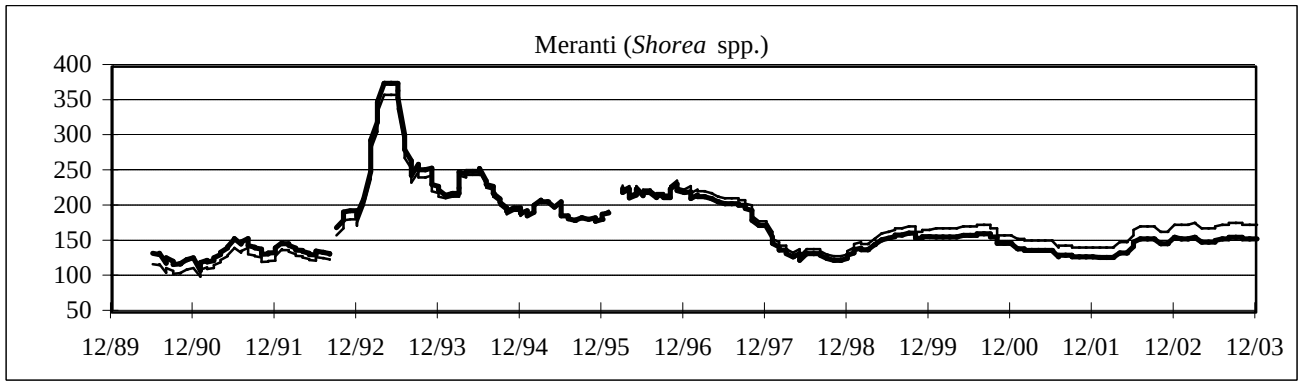



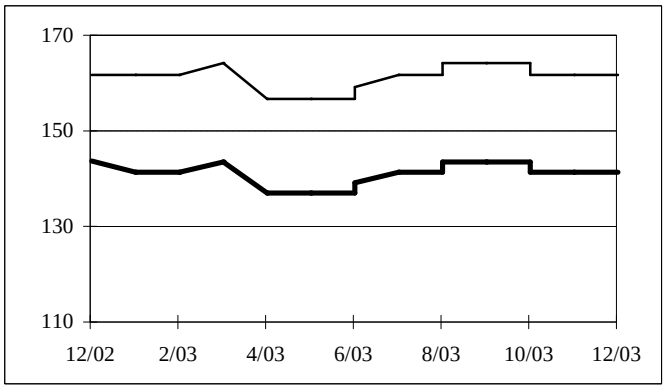
## 4-1-b. Price of Malaysian Logs (cont.), 1990-2003

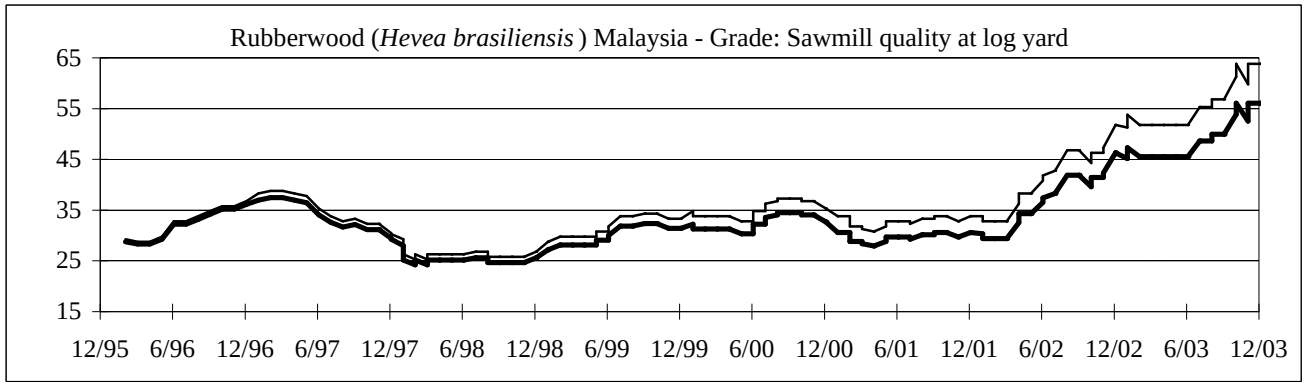
Bold lines show FOB prices for Keruing and Meranti and domestic prices for Rubberwood in constant 1995 US$ per cubic meter (deflated by the G-5 MUV Index used by the World Bank for deriving real commodity prices). Normal lines show nominal FOB price trends. Graphs on this page show major log export species from Malaysia. Grades are Sawmill Quality and up.

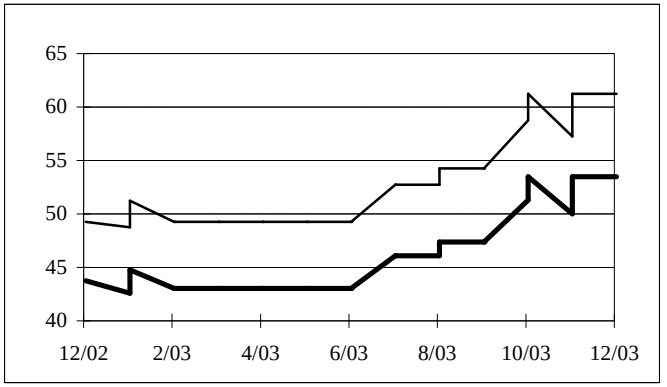


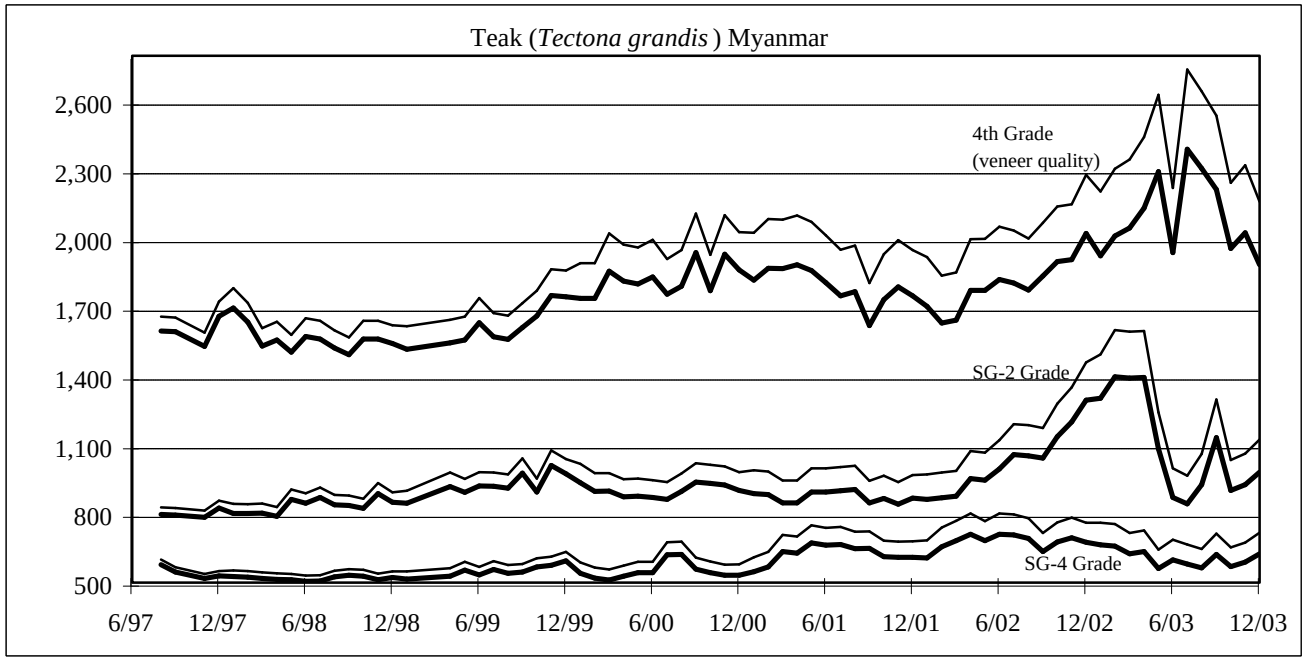



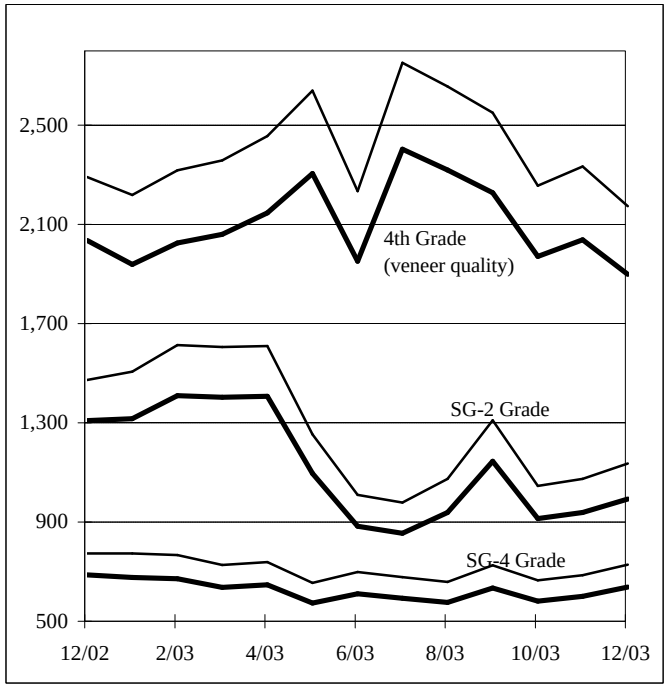



## 4-1-c. Price of Myanmar Teak Logs, 1997-2003

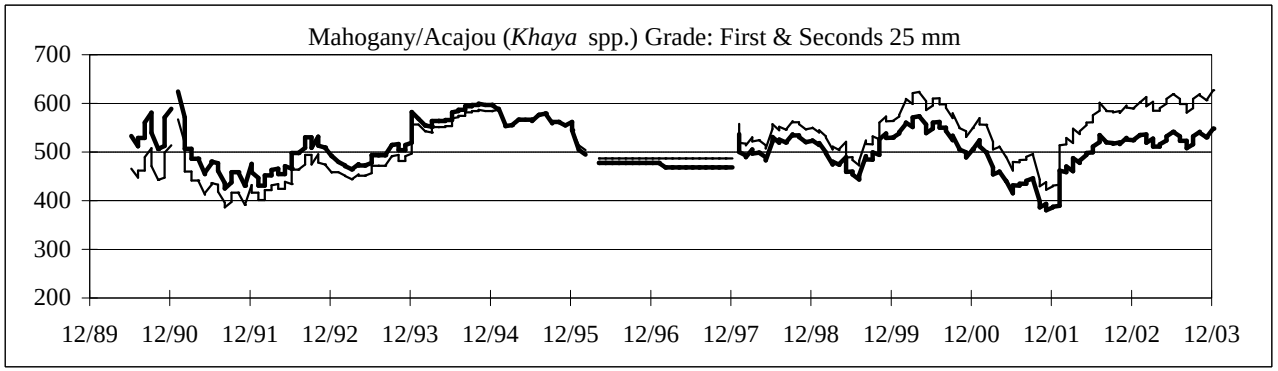
Bold lines show FOB prices for Teak in constant 1995 US$ per cubic meter (deflated by the G-5 MUV Index used by the World Bank for deriving real commodity prices). Normal lines show nominal FOB and domestic prices trends for these species, respectively.

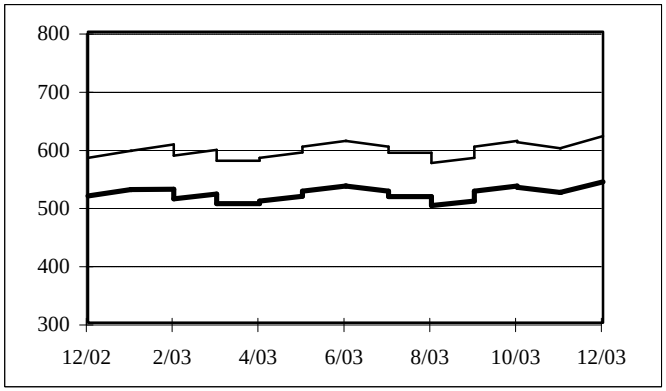


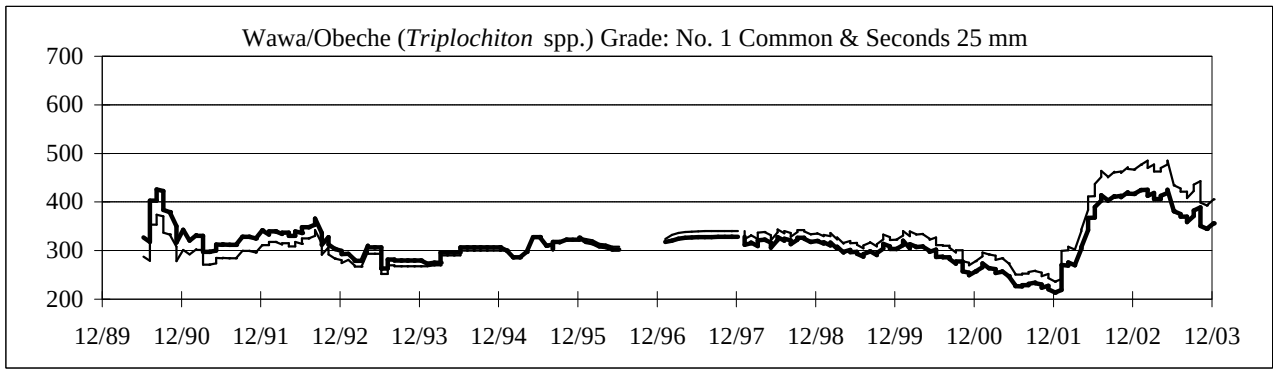



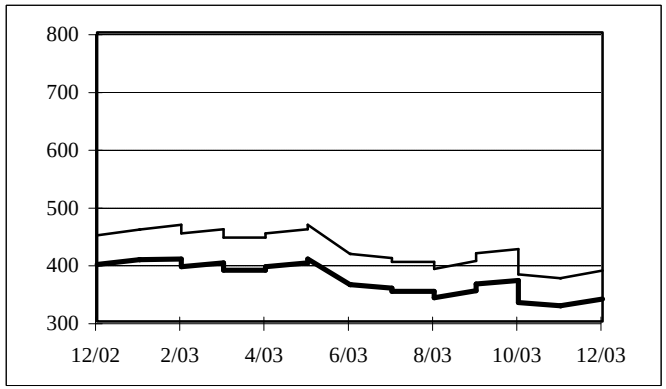
## 4-2-a. Price of Ghanaian Sawnwood, 1990-2003

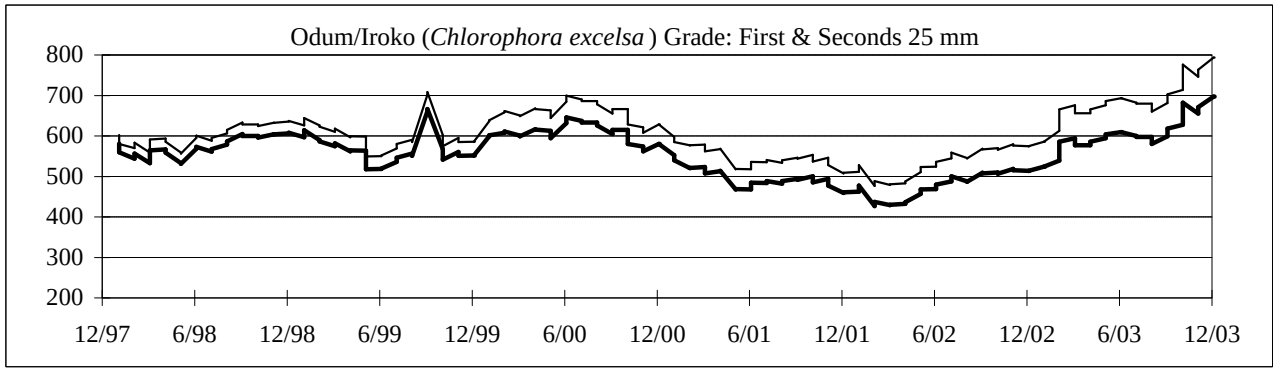
Bold lines show FOB prices in constant 1995 US$ per cubic meter (deflated by the G-5 MUV Index used by the World Bank for deriving real commodity prices). Normal lines show nominal FOB price trends.

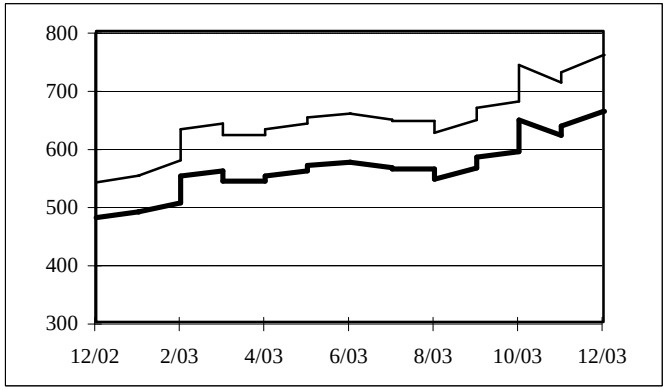


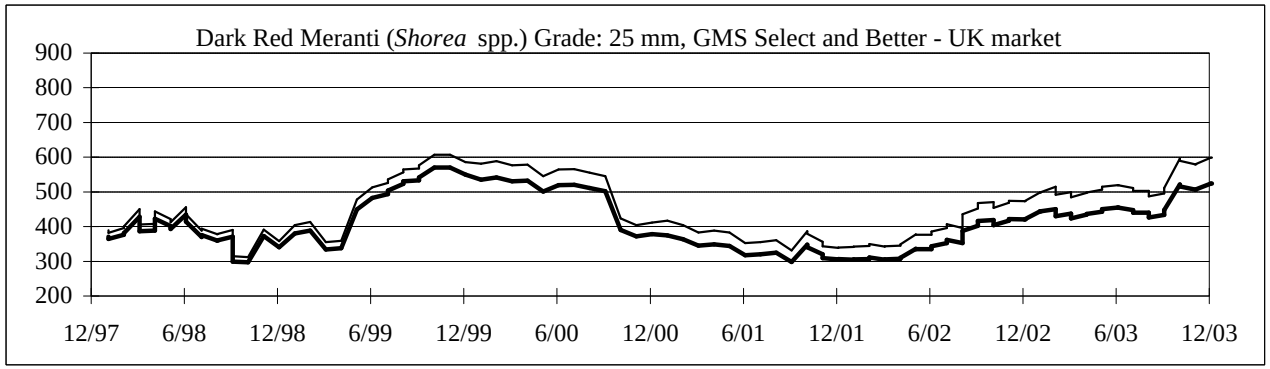



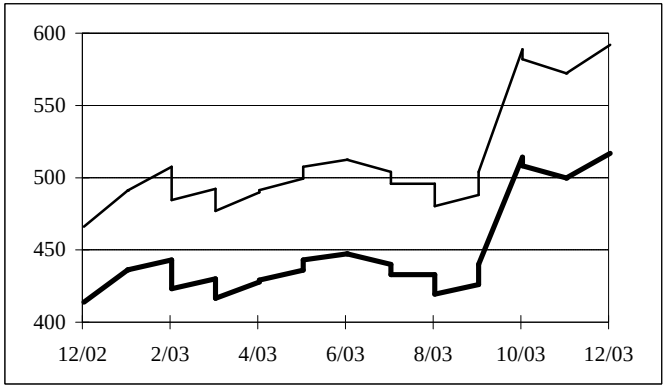



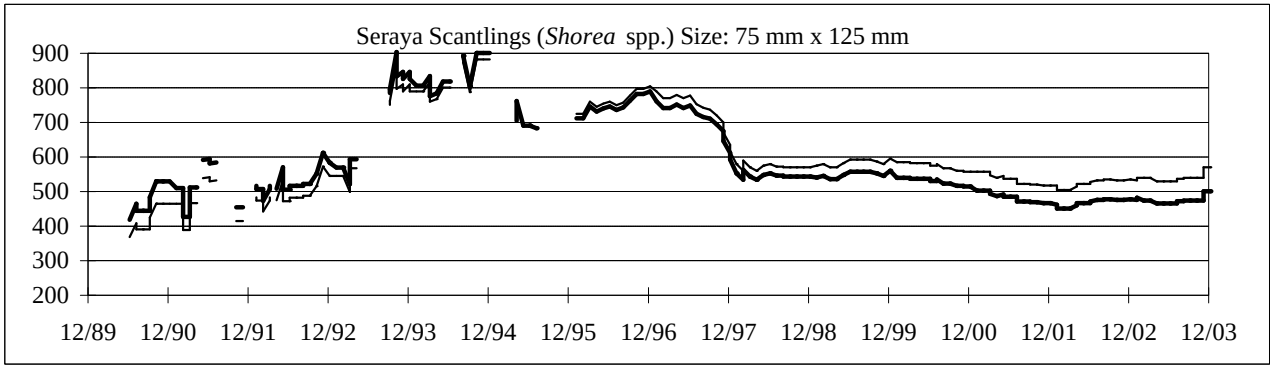



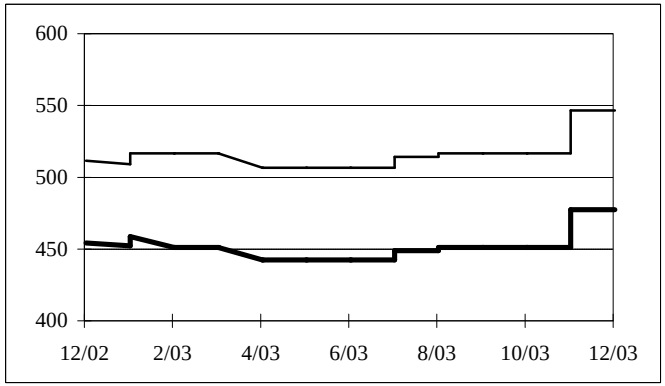
## 4-2-b. Price of Malaysian Sawnwood, 1990-2003

Bold lines show FOB prices in constant 1995 US$ per cubic meter (deflated by the G-5 MUV Index used by the World Bank for deriving real commodity prices). Normal lines show nominal FOB price trends. Grades are Kiln Dried.



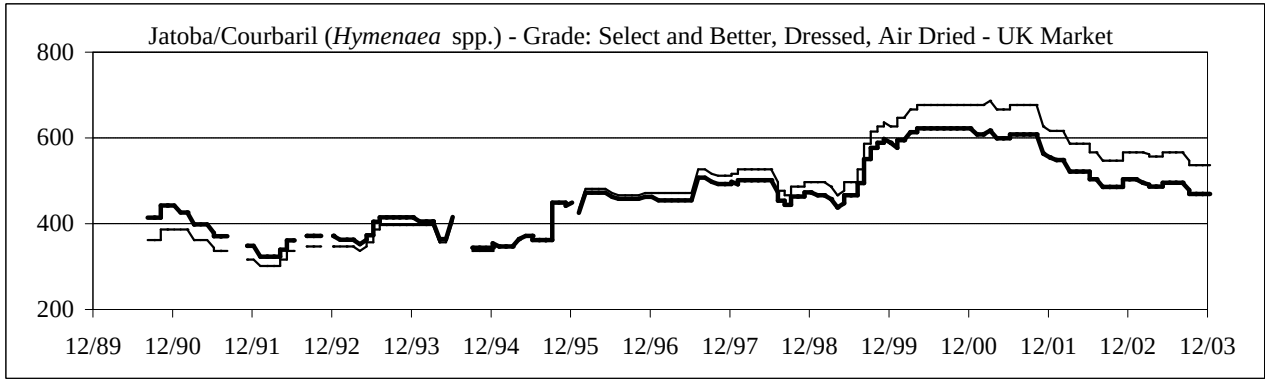



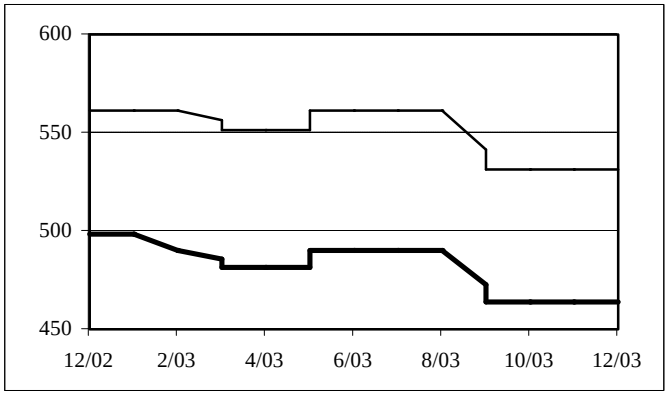



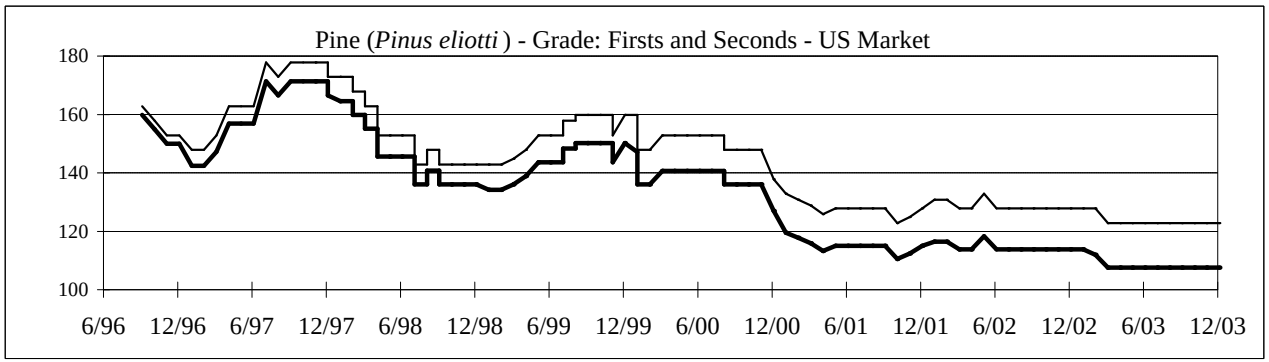



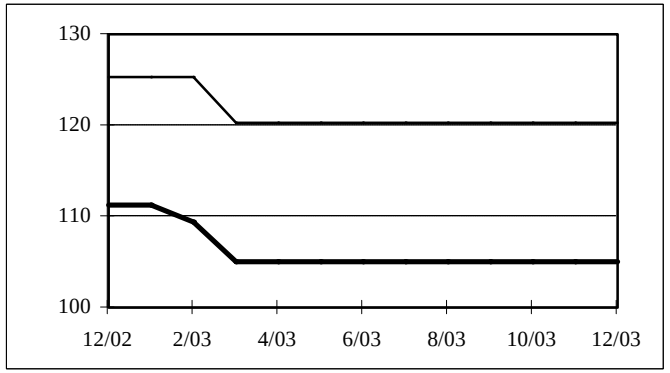
## 4-2-c. Price of Brazilian Sawnwood, 1990-2003

Bold lines show FOB prices in constant 1995 US$ per cubic meter (deflated by the G-5 MUV Index used by the World Bank for deriving real commodity prices). Normal lines show nominal FOB price trends.



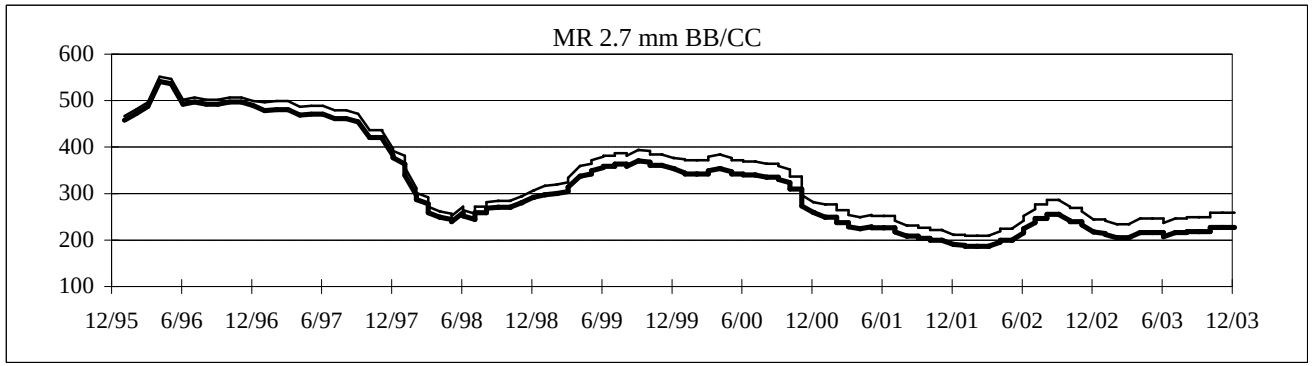



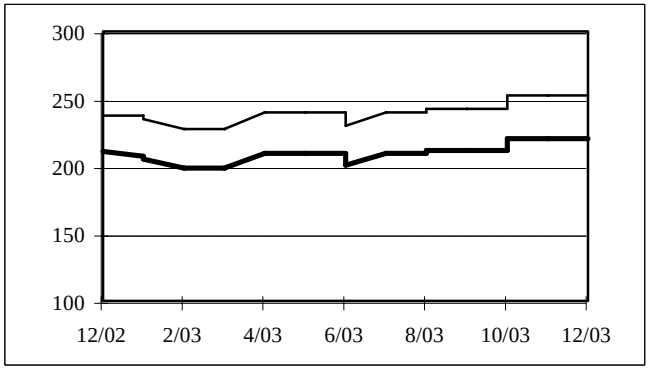



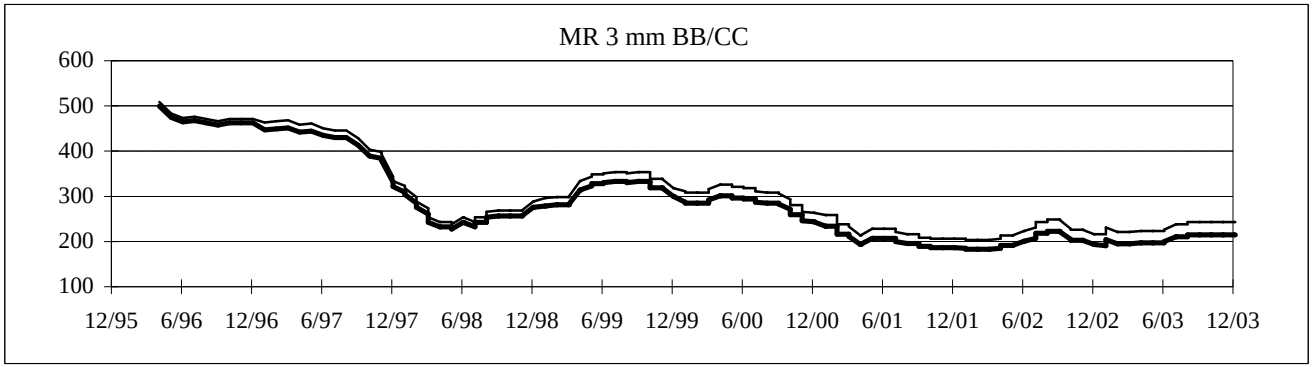



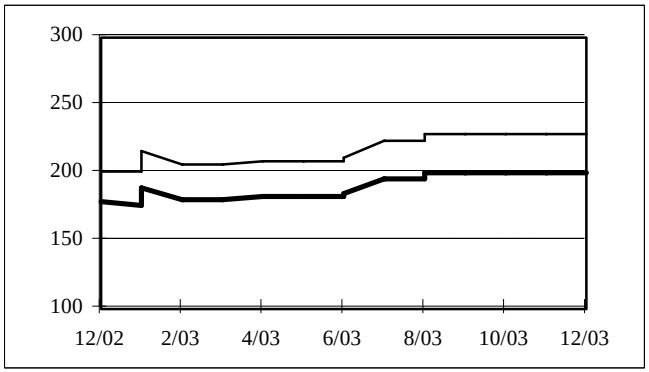
## 4-3-a. Price of Indonesian Plywood Exports, 1996-2003

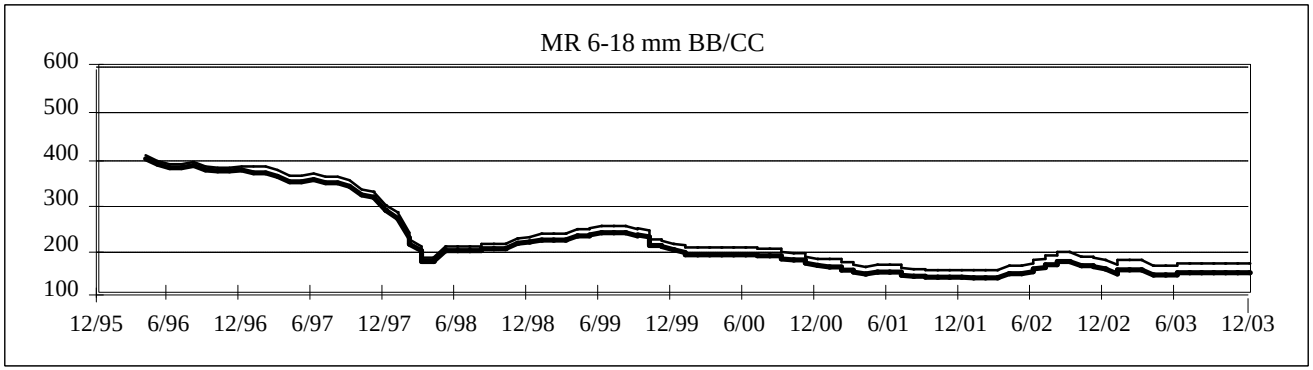
Bold lines show FOB prices in constant 1995 US$ per cubic meter (deflated by the G-5 MUV Index used by the World Bank for deriving real commodity prices). Normal lines show nominal FOB price trends.

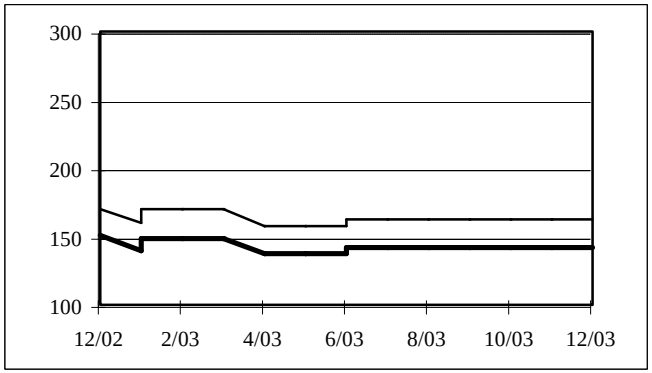


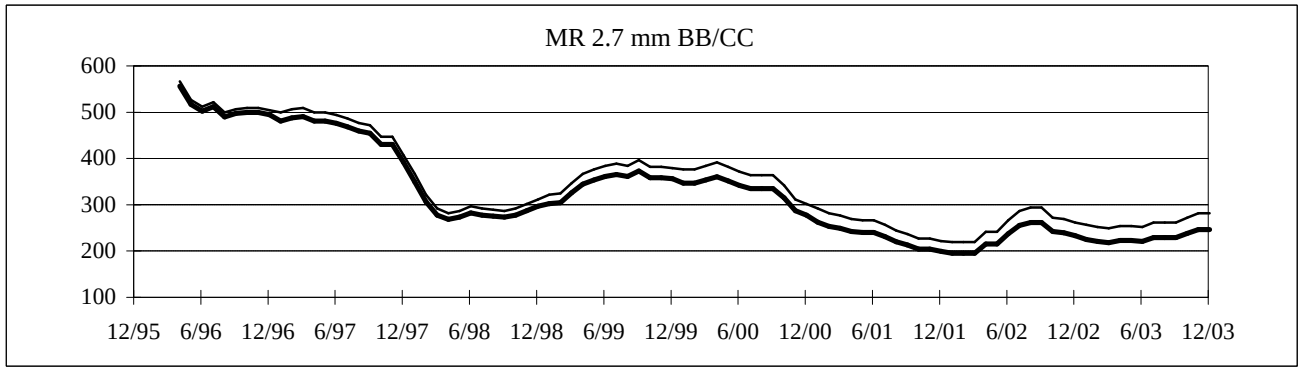



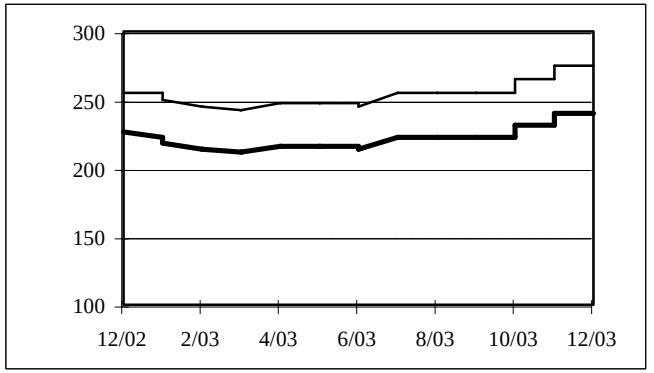



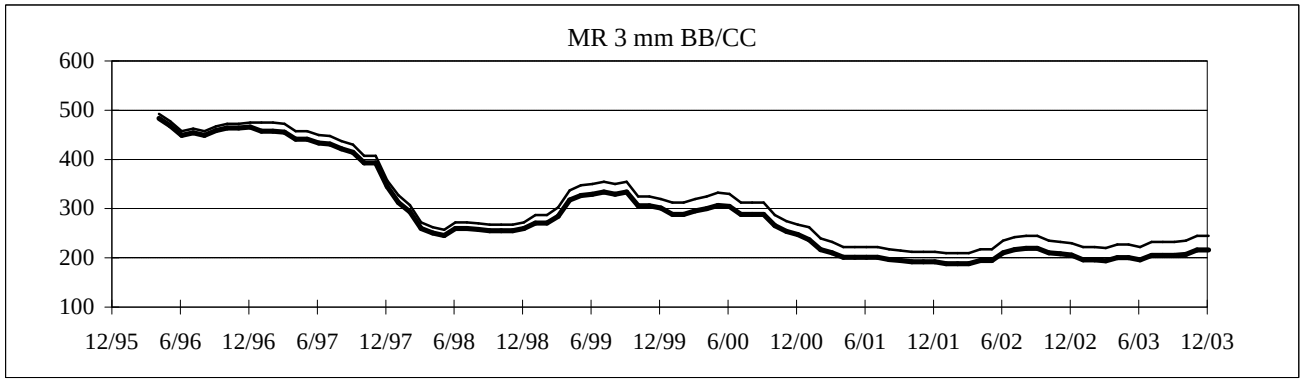



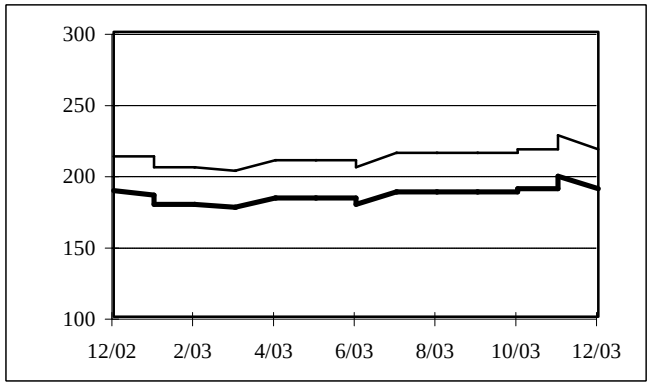
## 4-3-b. Price of Malaysian Plywood Exports, 1996-2003

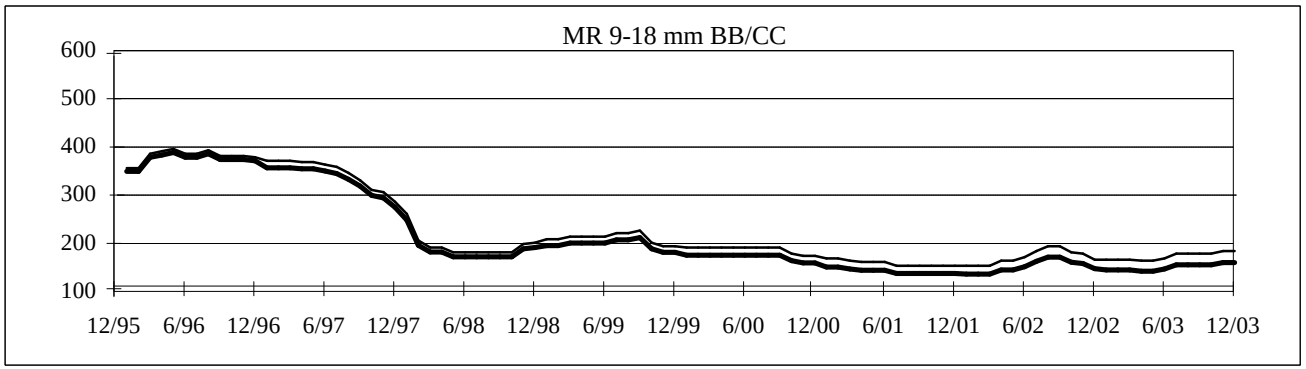
Bold lines show FOB prices in constant 1995 US$ per cubic meter (deflated by the G-5 MUV Index used by the World Bank for deriving real commodity prices). Normal lines show nominal FOB price trends.

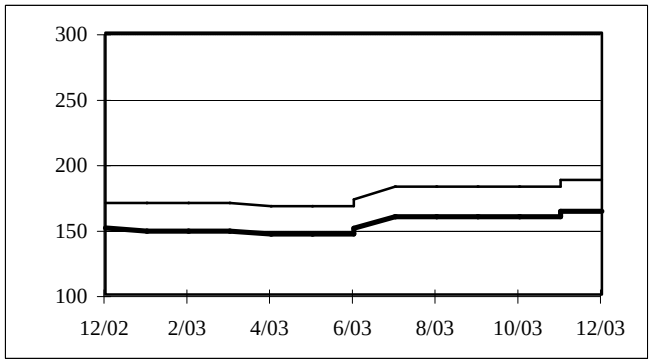


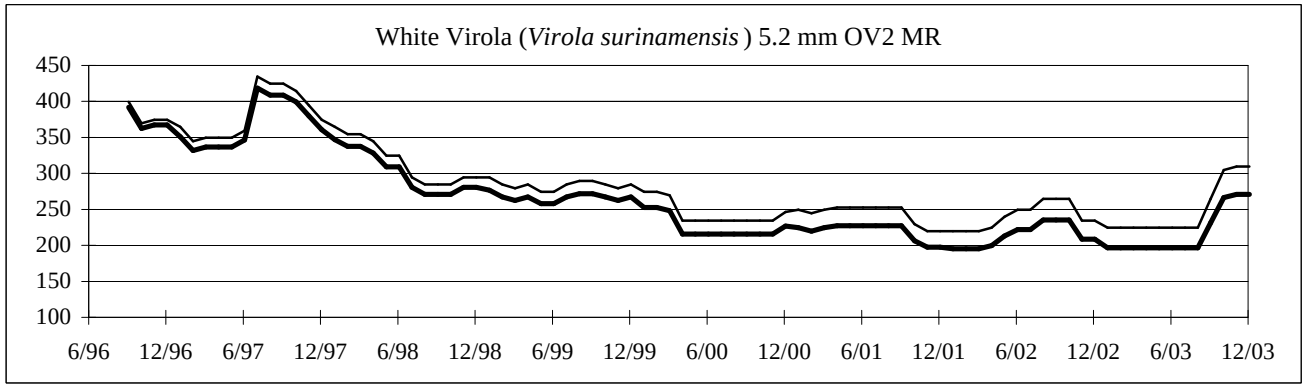



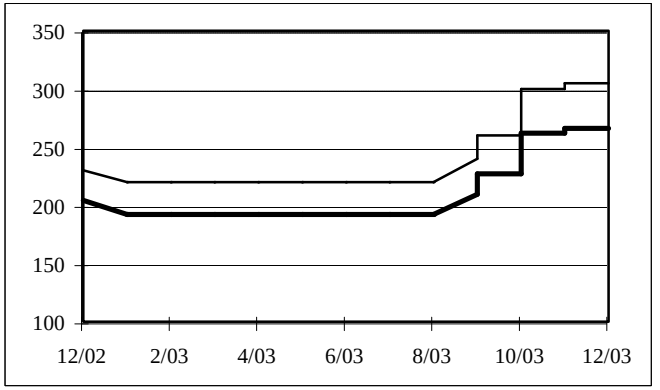



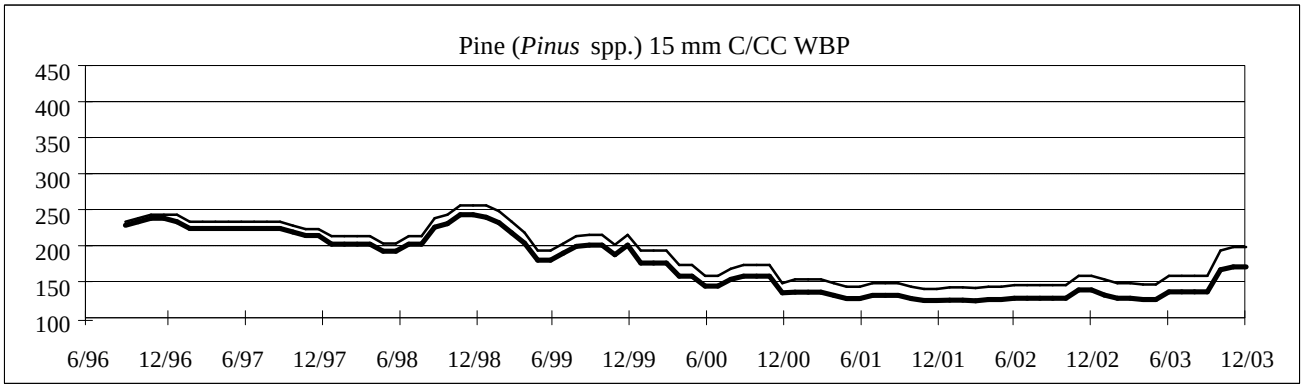



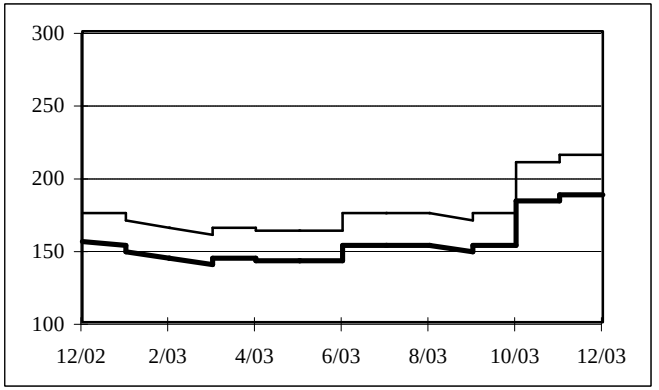
## 4-3-c. Price of Brazilian Plywood Exports, 1996-2003

Bold lines show FOB prices in constant 1995 US$ per cubic meter (deflated by the G-5 MUV Index used by the World Bank for deriving real commodity prices). Normal lines show nominal FOB price trends.



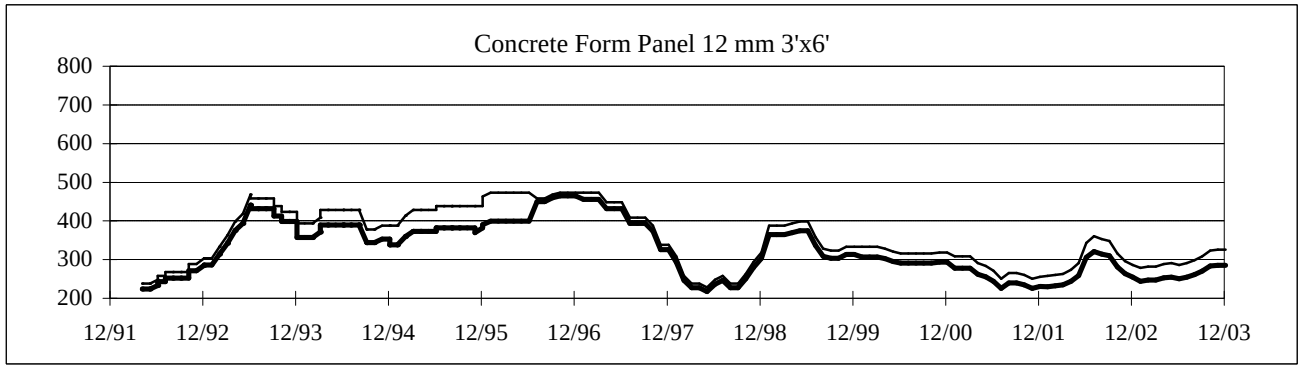



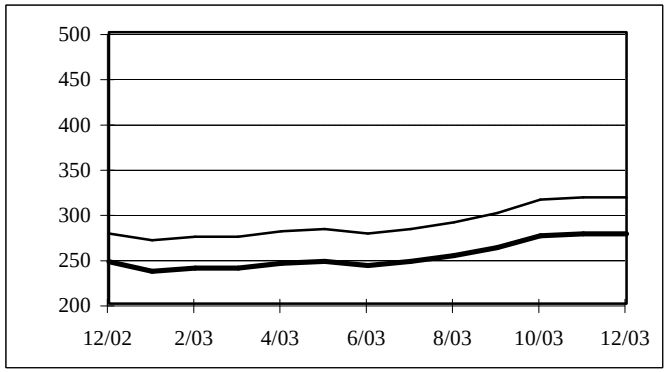



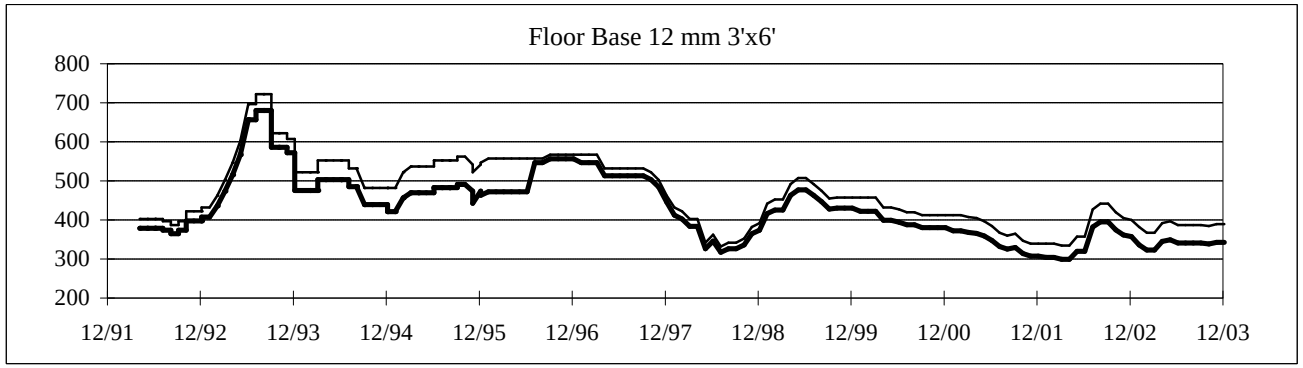



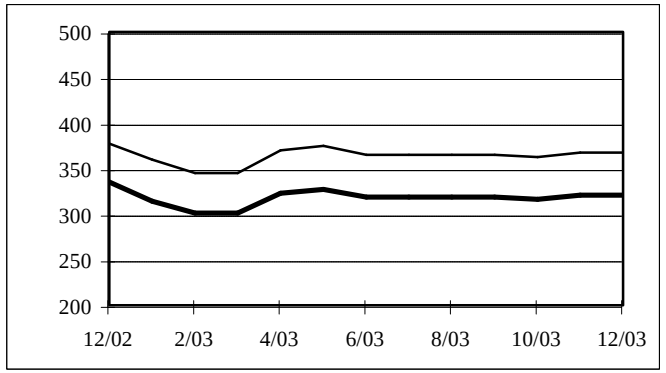
## 4-3-d. Price of Japanese Plywood Imports, 1992-2003

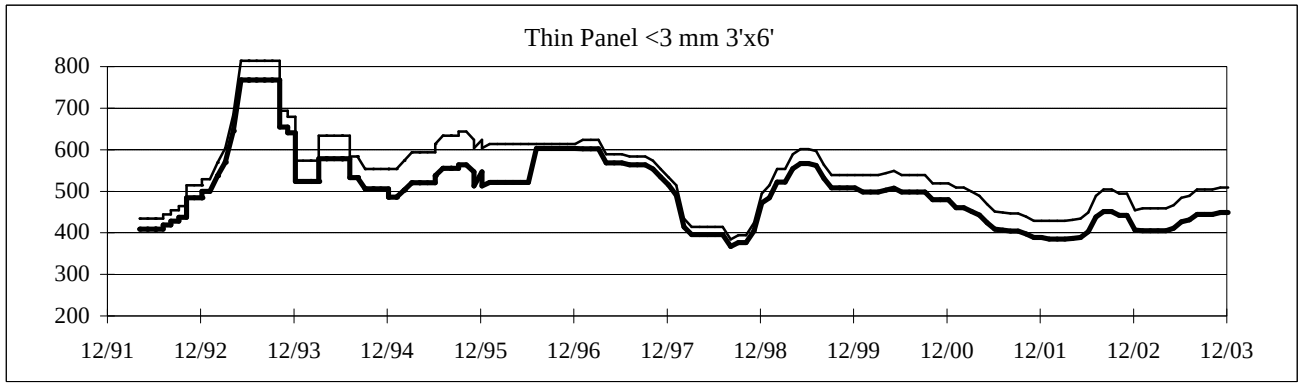
Bold lines show prices in constant 1995 US$ per cubic meter (deflated by the G-5 MUV Index used by the World Bank for deriving real commodity prices). Normal lines show nominal price trends. All prices are C&F to Japan from Indonesia. Grades for all products are B/BB Moisture Resistant.

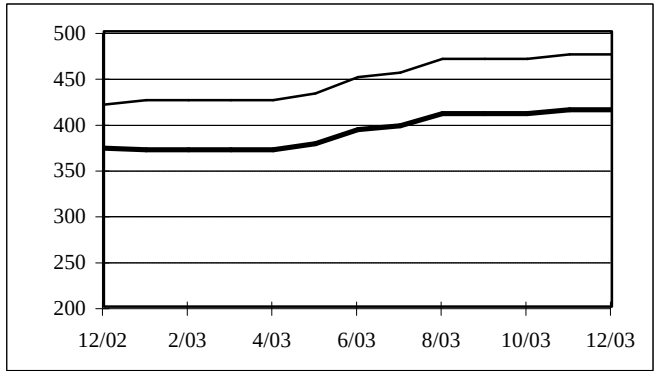


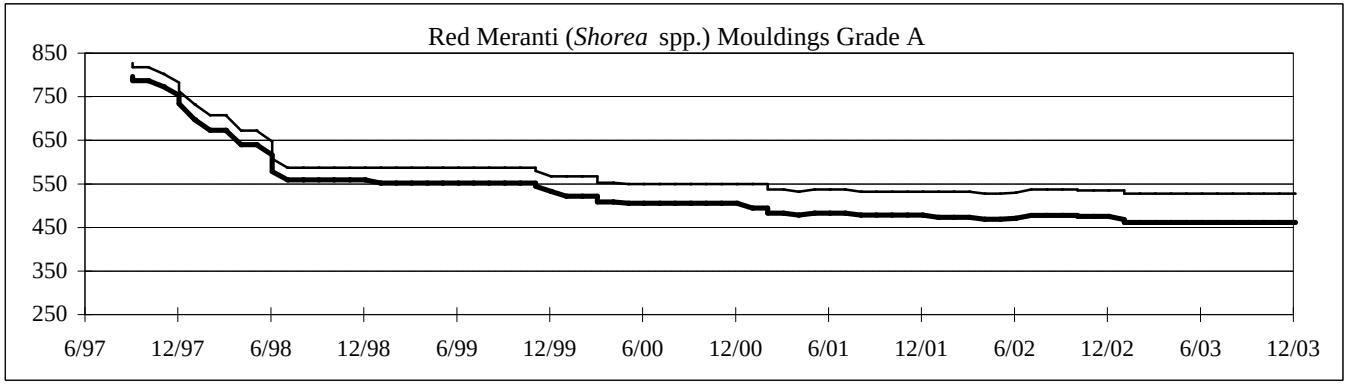



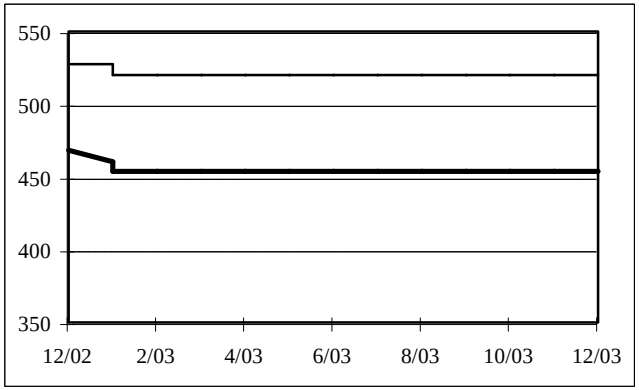



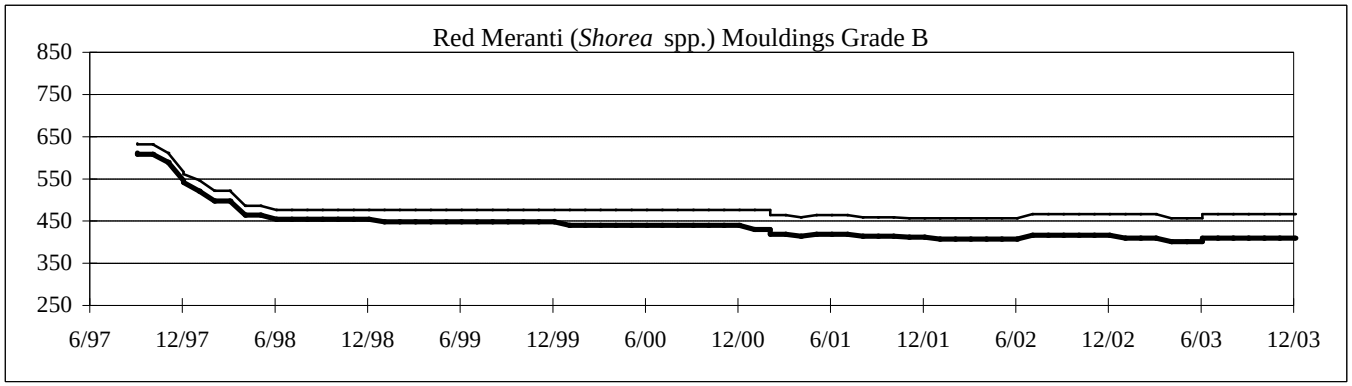



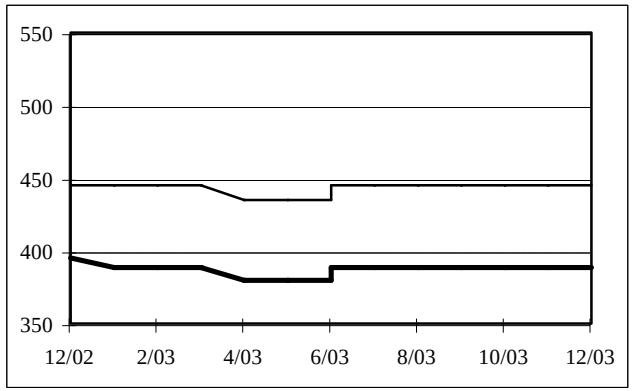
## 4-4-a. Price of Secondary Processed Sawnwood Products from Indonesia, 1997-2003

Bold lines show prices in constant 1995 US$ per cubic meter (deflated by the G-5 MUV Index used by the World Bank for deriving real commodity prices). Normal lines show nominal price trends. All prices are FOB, Indonesia.



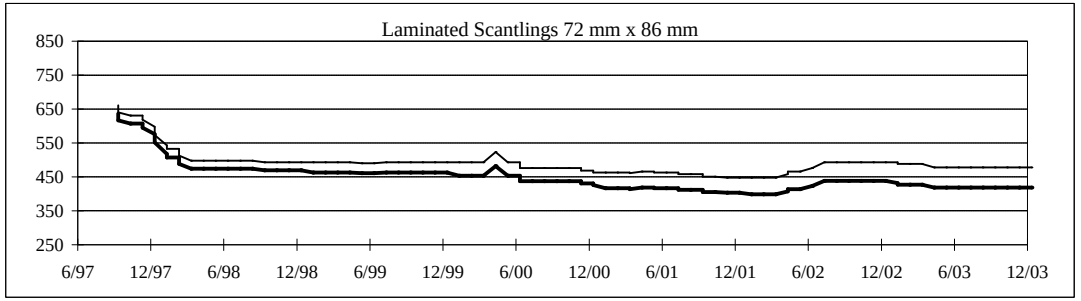



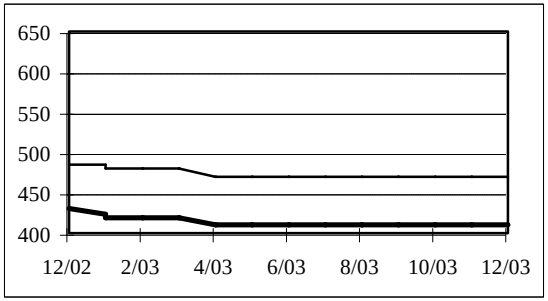



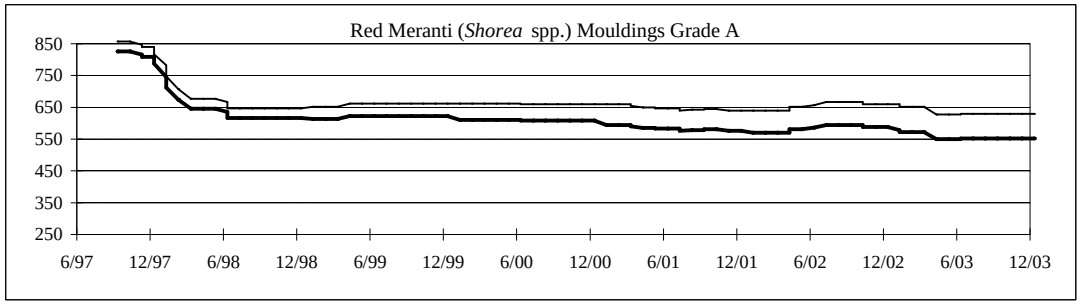



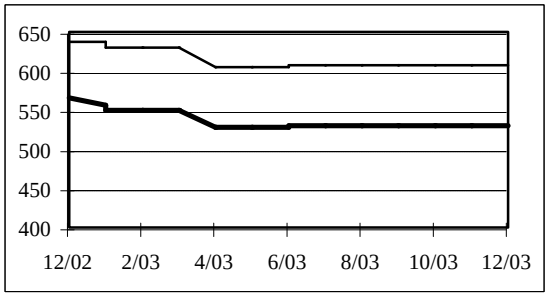
## 4-4-b. Price of Secondary Processed Sawnwood Products from Malaysia, 1997-2003

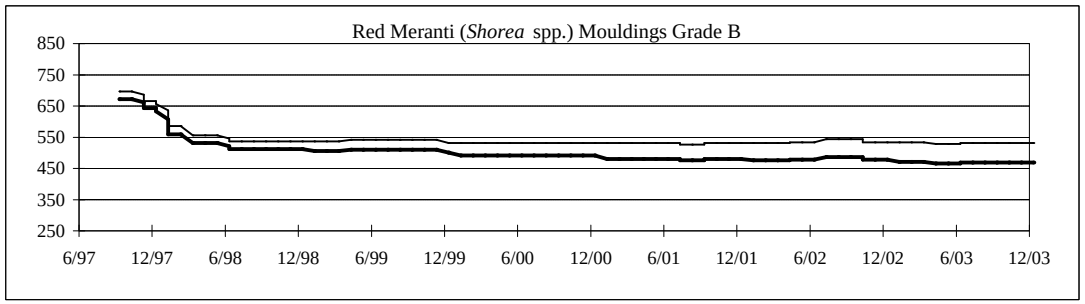
Bold lines show prices in constant 1995 US$ per cubic meter (deflated by the G-5 MUV Index used by the World Bank for deriving real commodity prices). Normal lines show nominal price trends. All prices are FOB, Malaysia.

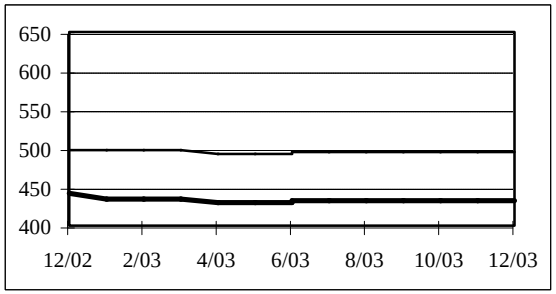


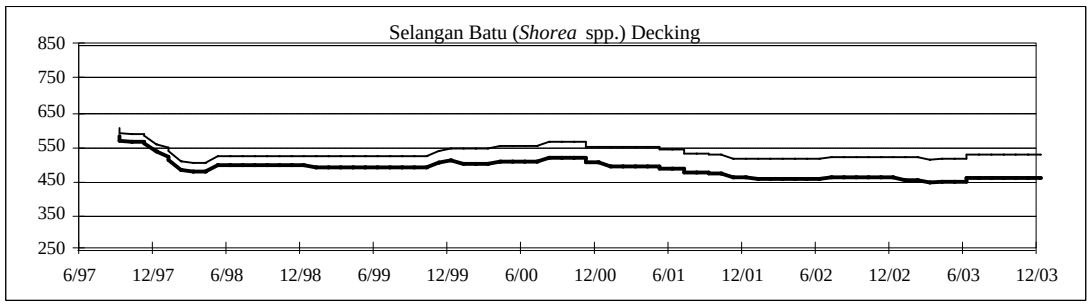



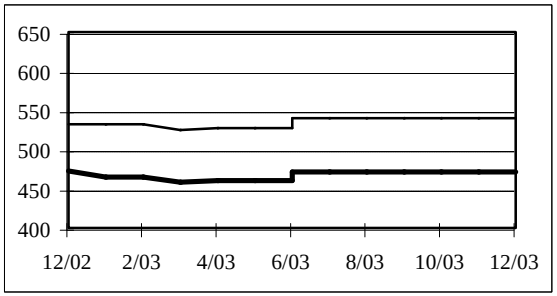



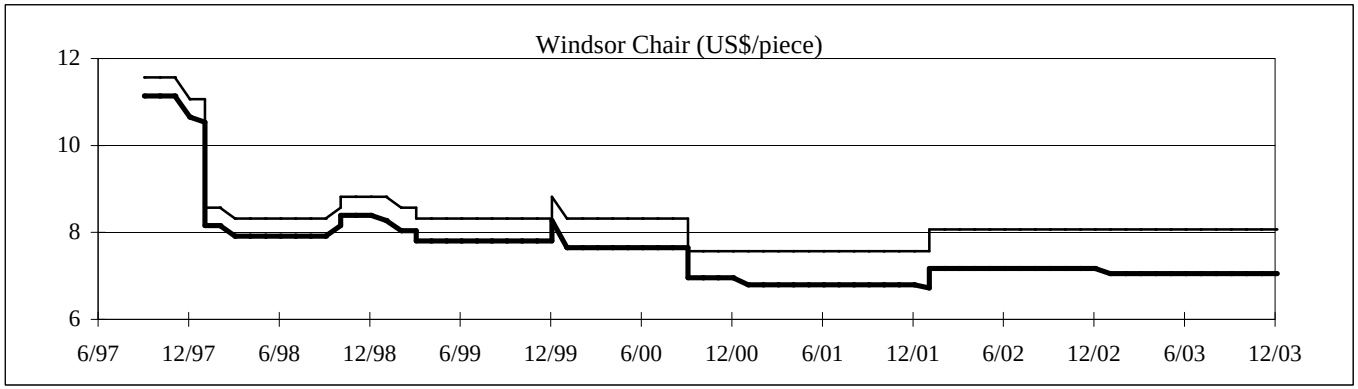



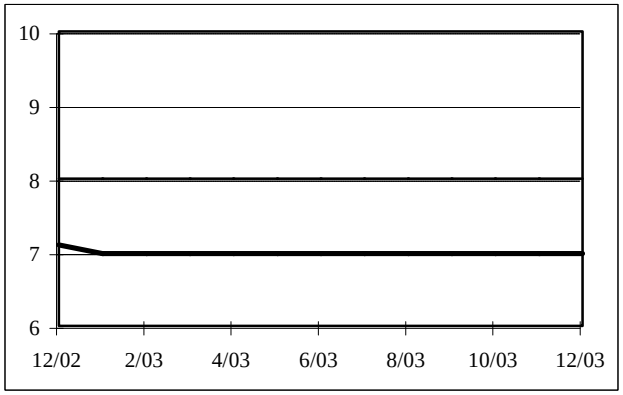



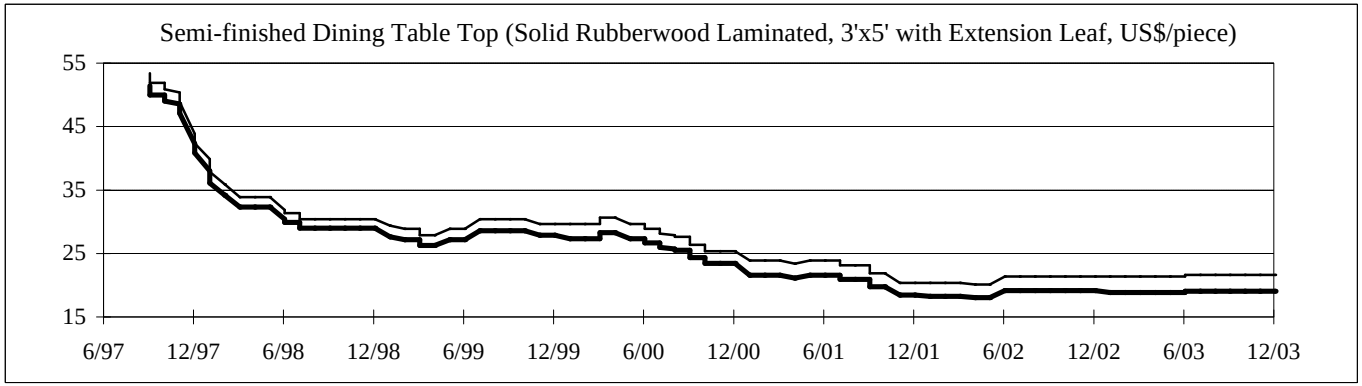



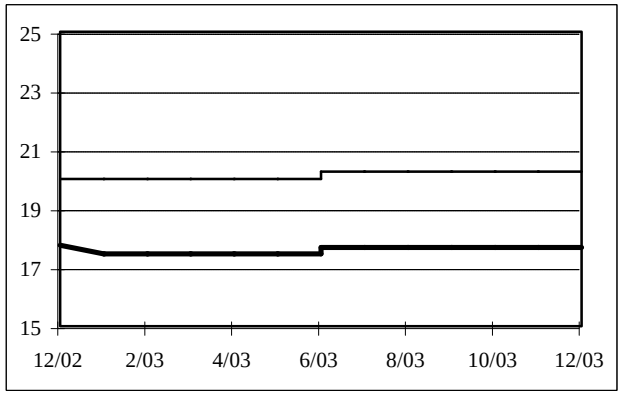
# 4-4-c. Price of Furniture and Furniture Parts from Malaysia, 1997-2003

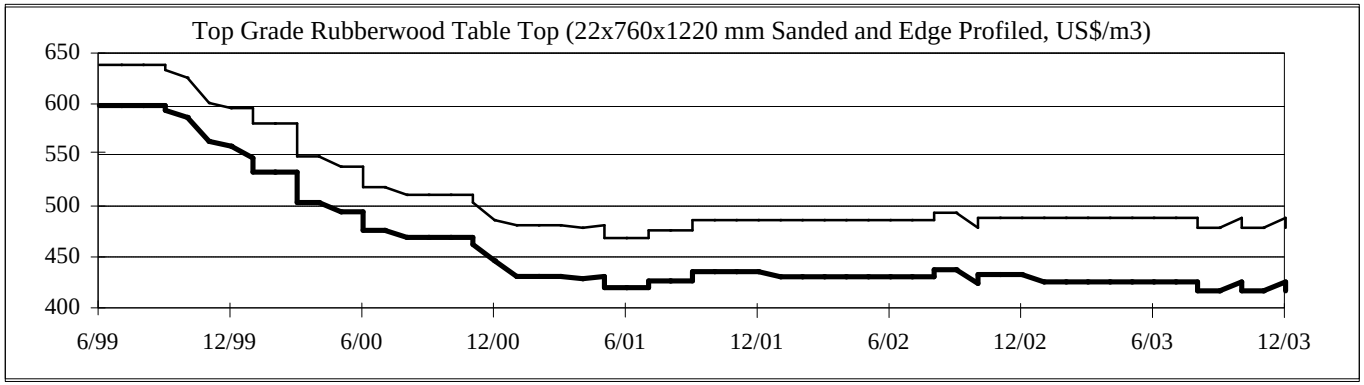
Bold lines show prices in constant 1995 US$ (deflated by the G-5 MUV Index used by the World Bank for deriving real commodity prices). Normal lines show nominal price trends. All prices are FOB, Malaysia.

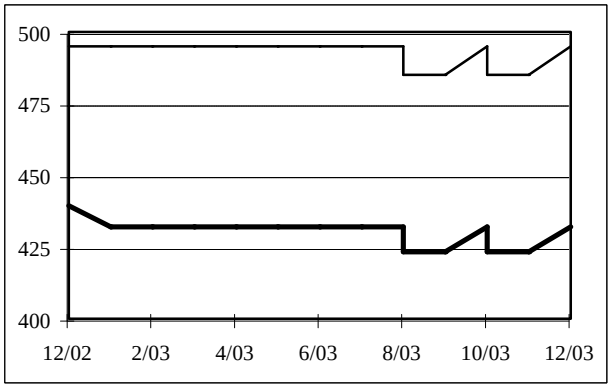


# Appendix 5

## Trade in Secondary Processed Wood Products, 1998-2002

**Table 5-1. Major Importers of Secondary Processed Wood Products [1000 US$; (% share)]**

| Importer | From | 1998 | | 1999 | | 2000 | | 2001 | | 2002 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **European Union*** | **World** | **17,720,856** | | **18,536,169** | | **17,773,288** | | **17,916,548** | | **18,750,278** | |
| | ITTO Prod. | 1,872,588 | (11) | 2,056,132 | (11) | 2,298,910 | (13) | 2,052,205 | (11) | 2,111,769 | (11) |
| | ITTO Con. | 12,004,562 | (68) | 12,263,688 | (66) | 11,163,646 | (63) | 11,335,121 | (63) | 11,509,119 | (61) |
| **Germany** | **World** | **5,545,000** | | **5,209,340** | | **4,568,982** | | **4,522,268** | | **4,445,641** | |
| | ITTO Prod. | 344,012 | (6) | 345,211 | (7) | 366,785 | (8) | 293,185 | (6) | 272,101 | (6) |
| | ITTO Con. | 3,195,458 | (58) | 2,799,771 | (54) | 2,152,501 | (47) | 2,119,938 | (47) | 2,005,088 | (45) |
| **United Kingdom** | **World** | **2,327,196** | | **2,570,892** | | **2,727,176** | | **2,935,217** | | **3,536,461** | |
| | ITTO Prod. | 403,456 | (17) | 453,819 | (18) | 530,599 | (19) | 515,627 | (18) | 545,846 | (15) |
| | ITTO Con. | 1,573,724 | (68) | 1,649,577 | (64) | 1,760,208 | (65) | 1,937,807 | (66) | 2,289,574 | (65) |
| **France+** | **World** | **2,425,558** | | **2,586,957** | | **2,642,466** | | **2,574,942** | | **2,695,468** | |
| | ITTO Prod. | 235,593 | (10) | 276,553 | (11) | 330,247 | (12) | 293,833 | (11) | 307,487 | (11) |
| | ITTO Con. | 1,876,158 | (77) | 1,936,216 | (75) | 1,906,854 | (72) | 1,847,702 | (72) | 1,893,093 | (70) |
| **Netherlands** | **World** | **1,372,579** | | **1,527,134** | | **1,452,135** | | **1,427,104** | | **1,456,177** | |
| | ITTO Prod. | 297,793 | (22) | 290,640 | (19) | 316,551 | (22) | 267,818 | (19) | 261,476 | (18) |
| | ITTO Con. | 858,202 | (63) | 1,007,839 | (66) | 892,905 | (61) | 892,189 | (63) | 884,836 | (61) |
| **Belgium*** | **World** | **1,382,567** | | **1,467,374** | | **1,388,318** | | **1,353,526** | | **1,356,401** | |
| | ITTO Prod. | 163,300 | (12) | 191,427 | (13) | 216,629 | (16) | 177,350 | (13) | 204,014 | (15) |
| | ITTO Con. | 1,068,022 | (77) | 1,127,258 | (77) | 1,008,181 | (73) | 1,015,034 | (75) | 985,113 | (73) |
| **USA** | **World** | **9,997,971** | | **12,384,526** | | **14,298,762** | | **14,191,769** | | **16,494,273** | |
| | ITTO Prod. | 1,864,121 | (19) | 2,340,074 | (19) | 2,657,773 | (19) | 2,596,834 | (18) | 2,977,815 | (18) |
| | ITTO Con. | 6,382,050 | (64) | 8,118,067 | (66) | 9,687,964 | (68) | 9,760,490 | (69) | 11,497,113 | (70) |
| **Japan** | **World** | **2,161,899** | | **2,469,767** | | **3,005,013** | | **2,969,763** | | **2,905,287** | |
| | ITTO Prod. | 737,445 | (34) | 889,755 | (36) | 1,044,039 | (35) | 979,534 | (33) | 902,599 | (31) |
| | ITTO Con. | 1,192,371 | (55) | 1,329,206 | (54) | 1,652,279 | (55) | 1,699,386 | (57) | 1,725,209 | (59) |
| **China+** | **World** | **1,209,717** | | **1,298,423** | | **1,406,725** | | **1,295,598** | | **1,357,288** | |
| | ITTO Prod. | 116,283 | (10) | 107,676 | (8) | 70,409 | (5) | 46,608 | (4) | 36,438 | (3) |
| | ITTO Con. | 1,043,419 | (86) | 1,150,826 | (89) | 1,304,523 | (93) | 1,219,858 | (94) | 1,292,308 | (95) |
| **Canada** | **World** | **1,051,647** | | **1,098,894** | | **1,261,207** | | **1,288,453** | | **1,436,254** | |
| | ITTO Prod. | 94,034 | (9) | 108,702 | (10) | 138,348 | (11) | 150,673 | (12) | 207,209 | (14) |
| | ITTO Con. | 890,285 | (85) | 915,022 | (83) | 1,032,858 | (82) | 1,046,336 | (81) | 1,104,691 | (77) |
| **Switzerland** | **World** | **1,362,400** | | **1,378,120** | | **1,284,709** | | **1,251,170** | | **1,356,991** | |
| | ITTO Prod. | 14,863 | (1) | 17,919 | (1) | 16,476 | (1) | 18,176 | (1) | 21,949 | (2) |
| | ITTO Con. | 1,263,212 | (93) | 1,271,446 | (92) | 1,168,143 | (91) | 1,142,376 | (91) | 1,221,831 | (90) |
| **ITTO Consumers*** | **World** | **34,872,106** | | **38,660,188** | | **40,639,072** | | **40,562,315** | | **44,152,451** | |
| | ITTO Prod. | 4,999,708 | (14) | 5,876,326 | (15) | 6,639,503 | (16) | 6,175,768 | (18) | 6,658,995 | (15) |
| | ITTO Con. | 23,754,146 | (68) | 26,066,086 | (67) | 27,078,671 | (67) | 27,223,588 | (67) | 29,616,462 | (67) |
| **World*** | **World** | **38,596,141** | | **42,356,511** | | **44,459,621** | | **44,125,779** | | **49,145,928** | |
| | ITTO Prod. | 6,602,590 | (17) | 7,644,958 | (18) | 8,530,964 | (19) | 8,113,297 | (18) | 8,477,481 | (17) |
| | ITTO Con. | 26,331,363 | (68) | 28,568,784 | (67) | 29,572,801 | (67) | 29,387,417 | (67) | 32,812,549 | (67) |

+ France includes Monaco. China includes People's Republic of China plus Hong Kong and Macao Special Administrative Regions - see text for breakdown.

* ITTO estimate for 2002 due to incomplete trade data (see text). Further ITTO estimate for Belgium in 1998 to exclude Luxembourg's imports.

**Table 5-2. Types of SPWP Imported by Major Importers, 2001 [1000 US$; (% share)]**

| Importer | From | Wooden Furniture and Parts | | Builder's Woodwork | | Other SPWP | | Mouldings | | Cane and Bamboo Furniture and Parts | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **European Union** | **World** | **10,896,780** | | **2,603,797** | | **3,067,188** | | **904,458** | | **444,324** | |
| | ITTO Prod. | 1,050,411 | (10) | 300,592 | (12) | 269,562 | (9) | 224,490 | (25) | 207,150 | (47) |
| | ITTO Con. | 6,991,555 | (64) | 1,769,247 | (68) | 1,849,103 | (60) | 546,339 | (60) | 178,877 | (40) |
| **Germany** | **World** | **2,796,182** | | **712,489** | | **817,612** | | **118,930** | | **77,055** | |
| | ITTO Prod. | 130,002 | (5) | 46,568 | (7) | 66,101 | (8) | 12,565 | (11) | 37,949 | (49) |
| | ITTO Con. | 1,338,488 | (48) | 382,035 | (54) | 297,410 | (36) | 76,013 | (64) | 25,993 | (34) |
| **United Kingdom** | **World** | **1,835,460** | | **397,389** | | **484,073** | | **141,568** | | **76,728** | |
| | ITTO Prod. | 301,134 | (16) | 93,734 | (24) | 58,626 | (12) | 24,560 | (17) | 37,572 | (49) |
| | ITTO Con. | 1,172,469 | (64) | 272,465 | (69) | 353,110 | (73) | 109,581 | (77) | 30,182 | (39) |
| **France+** | **World** | **1,733,960** | | **208,286** | | **457,628** | | **83,495** | | **91,572** | |
| | ITTO Prod. | 194,891 | (11) | 30,490 | (15) | 33,966 | (7) | 7,874 | (9) | 26,612 | (29) |
| | ITTO Con. | 1,255,905 | (72) | 160,140 | (77) | 319,748 | (70) | 62,665 | (75) | 49,245 | (54) |
| **Netherlands** | **World** | **950,945** | | **156,936** | | **193,193** | | **77,792** | | **48,238** | |
| | ITTO Prod. | 130,326 | (14) | 41,878 | (27) | 17,304 | (9) | 42,843 | (55) | 35,467 | (74) |
| | ITTO Con. | 622,011 | (65) | 103,839 | (66) | 126,483 | (65) | 28,367 | (36) | 11,489 | (24) |
| **Belgium** | **World** | **849,590** | | **134,590** | | **241,233** | | **94,622** | | **33,492** | |
| | ITTO Prod. | 75,993 | (9) | 18,037 | (13) | 24,935 | (10) | 44,103 | (47) | 14,282 | (43) |
| | ITTO Con. | 668,040 | (79) | 104,793 | (78) | 180,678 | (75) | 46,635 | (49) | 14,888 | (44) |
| **USA** | **World** | **8,939,999** | | **1,693,629** | | **2,228,085** | | **845,627** | | **484,429** | |
| | ITTO Prod. | 1,570,942 | (18) | 247,863 | (15) | 413,107 | (19) | 210,344 | (25) | 154,578 | (32) |
| | ITTO Con. | 6,259,362 | (70) | 1,303,152 | (77) | 1,536,509 | (69) | 348,641 | (41) | 312,827 | (65) |
| **Japan** | **World** | **1,536,469** | | **480,952** | | **606,355** | | **266,877** | | **79,109** | |
| | ITTO Prod. | 595,042 | (39) | 114,360 | (24) | 113,133 | (19) | 107,629 | (40) | 49,370 | (62) |
| | ITTO Con. | 728,789 | (47) | 351,439 | (73) | 448,593 | (74) | 149,223 | (56) | 21,341 | (27) |
| **China+** | **World** | **770,540** | | **79,003** | | **317,362** | | **56,896** | | **71,797** | |
| | ITTO Prod. | 13,649 | (2) | 7,744 | (10) | 7,870 | (2) | 16,399 | (29) | 946 | (1) |
| | ITTO Con. | 748,877 | (97) | 67,167 | (85) | 300,674 | (95) | 34,902 | (61) | 68,238 | (95) |
| **Canada** | **World** | **723,633** | | **149,417** | | **201,951** | | **192,442** | | **21,010** | |
| | ITTO Prod. | 90,286 | (12) | 3,521 | (2) | 22,326 | (11) | 28,200 | (15) | 6,340 | (30) |
| | ITTO Con. | 579,182 | (80) | 143,488 | (96) | 165,320 | (82) | 145,288 | (75) | 13,058 | (62) |
| **Switzerland** | **World** | **856,460** | | **174,218** | | **128,188** | | **44,448** | | **47,855** | |
| | ITTO Prod. | 6,351 | (1) | 1,020 | (1) | 7,868 | (6) | 374 | (1) | 2,563 | (5) |
| | ITTO Con. | 778,912 | (91) | 163,584 | (94) | 113,323 | (88) | 43,250 | (97) | 43,307 | (90) |
| **ITTO Consumers** | **World** | **24,687,467** | | **5,470,885** | | **6,788,989** | | **2,435,859** | | **1,179,116** | |
| | ITTO Prod. | 3,508,912 | (14) | 724,503 | (13) | 865,634 | (13) | 642,210 | (26) | 434,508 | (37) |
| | ITTO Con. | 16,678,077 | (68) | 3,977,734 | (73) | 4,586,193 | (68) | 1,332,173 | (55) | 649,411 | (55) |
| **World** | **World** | **26,898,691** | | **5,876,637** | | **7,338,447** | | **2,692,536** | | **1,319,469** | |
| | ITTO Prod. | 4,706,969 | (17) | 800,405 | (14) | 1,156,418 | (16) | 703,991 | (26) | 745,514 | (57) |
| | ITTO Con. | 18,116,676 | (67) | 4,257,577 | (72) | 4,968,878 | (68) | 1,509,711 | (56) | 534,575 | (41) |

+ France includes Monaco. China includes People's Republic of China plus Hong Kong and Macao Special Administrative Regions - see text for breakdown.

**Table 5-3. Major Tropical Importers of Secondary Processed Wood Products [1000 US$; (% share)]**

| Importer | From | 1998 | | 1999 | | 2000 | | 2001 | | 2002 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Mexico** | **World** | **218,282** | | **258,667** | | **353,963** | | **358,088** | | **367,664** | |
| | ITTO Prod. | 13,494 | (6) | 18,697 | (7) | 31,634 | (9) | 41,594 | (12) | 33,121 | (9) |
| | ITTO Con. | 203,167 | (93) | 234,775 | (91) | 317,638 | (90) | 308,019 | (86) | 310,903 | (85) |
| **Venezuela** | **World** | **49,421** | | **124,571** | | **53,051** | | **71,729** | | **46,037** | |
| | ITTO Prod. | 8,363 | (17) | 15,985 | (13) | 13,222 | (25) | 24,364 | (34) | 15,700 | (34) |
| | ITTO Con. | 38,881 | (79) | 106,414 | (85) | 37,632 | (71) | 44,224 | (62) | 28,572 | (62) |
| **Malaysia** | **World** | **41,583** | | **44,078** | | **64,142** | | **66,471** | | **99,695** | |
| | ITTO Prod. | 15,571 | (37) | 15,016 | (34) | 22,427 | (35) | 21,180 | (32) | 4,808 | (5) |
| | ITTO Con. | 21,152 | (51) | 23,388 | (53) | 34,101 | (53) | 37,425 | (56) | 56,788 | (57) |
| **Philippines** | **World** | **31,609** | | **41,099** | | **52,351** | | **35,519** | | **30,157** | |
| | ITTO Prod. | 11,015 | (35) | 12,345 | (30) | 22,050 | (42) | 9,233 | (26) | 8,258 | (27) |
| | ITTO Con. | 15,311 | (48) | 22,944 | (56) | 24,868 | (48) | 22,919 | (65) | 19,342 | (64) |
| **Barbados** | **World** | **35,595** | | **33,836** | | **43,691** | | **35,219** | | **32,568** | |
| | ITTO Prod. | 10,574 | (30) | 10,248 | (30) | 11,030 | (25) | 8,360 | (24) | 11,430 | (35) |
| | ITTO Con. | 24,481 | (69) | 23,183 | (69) | 29,921 | (68) | 25,109 | (71) | 20,119 | (62) |
| **Thailand*** | **World** | **13,967** | | **18,921** | | **21,355** | | **28,192** | | **31,886** | |
| | ITTO Prod. | 1,670 | (12) | 2,424 | (13) | 5,577 | (26) | 9,525 | (34) | 11,479 | (36) |
| | ITTO Con. | 9,071 | (65) | 13,265 | (70) | 12,031 | (56) | 13,516 | (48) | 14,996 | (47) |
| **Cuba*** | **World** | **23,072** | | **20,800** | | **21,031** | | **25,686** | | **24,665** | |
| | ITTO Prod. | 2,196 | (10) | 2,157 | (10) | 2,347 | (11) | 18,841 | (73) | 18,916 | (77) |
| | ITTO Con. | 20,534 | (89) | 18,446 | (89) | 18,140 | (86) | 4,688 | (18) | 3,491 | (14) |
| **Panama** | **World** | **21,727** | | **29,844** | | **28,866** | | **21,117** | | **23,567** | |
| | ITTO Prod. | 2,200 | (10) | 3,608 | (12) | 5,278 | (18) | 4,649 | (22) | 6,274 | (27) |
| | ITTO Con. | 11,984 | (55) | 15,106 | (51) | 13,457 | (47) | 10,137 | (48) | 9,932 | (42) |
| **Guatemala** | **World** | **15,581** | | **14,071** | | **14,977** | | **19,334** | | **20,016** | |
| | ITTO Prod. | 664 | (4) | 685 | (5) | 1,548 | (10) | 2,854 | (15) | 4,441 | (22) |
| | ITTO Con. | 9,854 | (63) | 9,441 | (67) | 8,670 | (58) | 10,624 | (55) | 10,783 | (54) |
| **Brazil** | **World** | **61,059** | | **27,771** | | **20,259** | | **18,303** | | **11,520** | |
| | ITTO Prod. | 5,061 | (8) | 4,053 | (15) | 3,810 | (19) | 3,366 | (18) | 2,281 | (20) |
| | ITTO Con. | 51,166 | (84) | 21,633 | (78) | 14,569 | (72) | 13,300 | (73) | 8,309 | (72) |
| **India** | **World** | **8,433** | | **7,968** | | **13,728** | | **15,537** | | **24,834** | |
| | ITTO Prod. | 4,112 | (49) | 1,957 | (25) | 5,635 | (41) | 5,452 | (35) | 7,659 | (31) |
| | ITTO Con. | 3,797 | (45) | 4,763 | (60) | 6,919 | (50) | 8,051 | (52) | 14,585 | (59) |
| **El Salvador** | **World** | **14,569** | | **16,976** | | **16,571** | | **15,348** | | **19,514** | |
| | ITTO Prod. | 5,262 | (36) | 6,285 | (37) | 5,669 | (34) | 4,283 | (28) | 7,427 | (38) |
| | ITTO Con. | 7,738 | (53) | 9,266 | (55) | 8,566 | (52) | 8,881 | (58) | 8,921 | (46) |
| **ITTO Producers*** | **World** | **339,851** | | **408,350** | | **359,400** | | **347,855** | | **357,630** | |
| | ITTO Prod. | 61,610 | (18) | 67,881 | (17) | 95,005 | (26) | 95,561 | (27) | 112,259 | (31) |
| | ITTO Con. | 232,004 | (68) | 290,350 | (71) | 213,338 | (59) | 205,251 | (59) | 195,918 | (55) |

* ITTO estimate for 2002 due to incomplete trade data (see text). Mirror statistics from partner countries used for Cuba in 1998-2000.

**Table 5-4. Types of SPWP Imported by Major Tropical Importers, 2001 [1000 US$; (% share)]**

| Importer | From | Wooden Furniture and Parts | | Builder's Woodwork | | Other SPWP | | Mouldings | | Cane and Bamboo Furniture and Parts | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Mexico** | **World** | **184,871** | | **21,277** | | **98,742** | | **44,264** | | **8,934** | |
| | ITTO Prod. | 24,808 | (13) | 1,962 | (9) | 8,071 | (8) | 3,664 | (8) | 3,088 | (35) |
| | ITTO Con. | 157,861 | (85) | 18,841 | (89) | 85,630 | (87) | 39,907 | (90) | 5,781 | (65) |
| **Venezuela** | **World** | **50,848** | | **4,402** | | **8,566** | | **4,826** | | **3,086** | |
| | ITTO Prod. | 15,095 | (30) | 1,749 | (40) | 2,945 | (34) | 4,084 | (85) | 491 | (16) |
| | ITTO Con. | 33,595 | (66) | 2,335 | (53) | 5,232 | (61) | 524 | (11) | 2,539 | (82) |
| **Malaysia** | **World** | **25,464** | | **7,078** | | **19,217** | | **12,006** | | **2,705** | |
| | ITTO Prod. | 3,917 | (15) | 3,795 | (54) | 1,752 | (9) | 11,121 | (93) | 596 | (22) |
| | ITTO Con. | 17,747 | (70) | 3,052 | (43) | 14,031 | (73) | 759 | (6) | 1,836 | (68) |
| **Philippines** | **World** | **16,549** | | **2,183** | | **12,210** | | **1,885** | | **2,692** | |
| | ITTO Prod. | 7,010 | (42) | 420 | (19) | 1,102 | (9) | 216 | (11) | 484 | (18) |
| | ITTO Con. | 7,331 | (44) | 1,506 | (69) | 10,716 | (88) | 1,661 | (88) | 1,705 | (63) |
| **Barbados** | **World** | **10,709** | | **7,525** | | **1,792** | | **13,480** | | **1,711** | |
| | ITTO Prod. | 1,992 | (19) | 2,281 | (30) | 212 | (12) | 3,679 | (27) | 195 | (11) |
| | ITTO Con. | 8,263 | (77) | 4,189 | (56) | 1,498 | (84) | 9,786 | (73) | 1,373 | (80) |
| **Thailand** | **World** | **10,697** | | **3,826** | | **9,518** | | **2,124** | | **2,027** | |
| | ITTO Prod. | 3,771 | (35) | 3,033 | (79) | 2,188 | (23) | 287 | (14) | 245 | (12) |
| | ITTO Con. | 5,947 | (56) | 605 | (16) | 5,050 | (53) | 552 | (26) | 1,361 | (67) |
| **Cuba** | **World** | **13,071** | | **7,525** | | **2,395** | | **650** | | **2,045** | |
| | ITTO Prod. | 10,843 | (83) | 4,189 | (56) | 1,707 | (71) | 425 | (65) | 1,676 | (82) |
| | ITTO Con. | 1,973 | (15) | 2,281 | (30) | 54 | (2) | 224 | (34) | 156 | (8) |
| **Panama** | **World** | **16,449** | | **1,689** | | **2,284** | | **160** | | **535** | |
| | ITTO Prod. | 3,485 | (21) | 575 | (34) | 432 | (19) | 14 | (9) | 144 | (27) |
| | ITTO Con. | 8,052 | (49) | 484 | (29) | 1,277 | (56) | 140 | (87) | 184 | (34) |
| **Guatemala** | **World** | **13,791** | | **427** | | **3,454** | | **178** | | **1,484** | |
| | ITTO Prod. | 2,104 | (15) | 22 | (5) | 494 | (14) | 9 | (5) | 225 | (15) |
| | ITTO Con. | 8,166 | (59) | 350 | (82) | 833 | (24) | 166 | (93) | 1,108 | (75) |
| **Brazil** | **World** | **7,086** | | **1,362** | | **7,193** | | **470** | | **2,193** | |
| | ITTO Prod. | 989 | (14) | 4 | (0) | 920 | (13) | 4 | (1) | 1,449 | (66) |
| | ITTO Con. | 5,364 | (76) | 1,353 | (99) | 5,632 | (78) | 344 | (73) | 606 | (28) |
| **India** | **World** | **10,023** | | **959** | | **1,846** | | **965** | | **1,745** | |
| | ITTO Prod. | 4,422 | (44) | 159 | (17) | 103 | (6) | 274 | (28) | 494 | (28) |
| | ITTO Con. | 4,499 | (45) | 634 | (66) | 1,338 | (72) | 599 | (62) | 982 | (56) |
| **El Salvador** | **World** | **9,243** | | **554** | | **3,160** | | **1,131** | | **1,260** | |
| | ITTO Prod. | 3,415 | (37) | 126 | (23) | 585 | (19) | 102 | (9) | 55 | (4) |
| | ITTO Con. | 4,420 | (48) | 240 | (43) | 2,216 | (70) | 921 | (81) | 1,084 | (86) |
| **ITTO Producers** | **World** | **188,223** | | **26,838** | | **84,404** | | **28,022** | | **20,369** | |
| | ITTO Prod. | 49,191 | (26) | 10,646 | (40) | 12,906 | (15) | 17,907 | (64) | 4,910 | (24) |
| | ITTO Con. | 114,269 | (61) | 13,725 | (51) | 56,133 | (67) | 8,188 | (29) | 12,936 | (64) |

**Table 5-5. Major Exporters of Secondary Processed Wood Products [1000 US$; (% share)]**

| Exporter | To | 1998 | | 1999 | | 2000 | | 2001 | | 2002 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **European Union*** | **World** | **20,361,481** | | **20,398,775** | | **19,486,127** | | **19,572,276** | | **20,275,343** | |
| | ITTO Prod. | 147,760 | (1) | 140,717 | (1) | 142,310 | (1) | 156,736 | (1) | 146,390 | (1) |
| | ITTO Con. | 17,198,605 | (84) | 17,783,577 | (87) | 16,909,502 | (87) | 16,853,198 | (86) | 17,513,862 | (86) |
| **Italy** | **World** | **6,240,928** | | **6,037,764** | | **6,001,423** | | **6,030,790** | | **6,108,478** | |
| | ITTO Prod. | 69,281 | (1) | 61,237 | (1) | 67,714 | (1) | 74,860 | (1) | 66,673 | (1) |
| | ITTO Con. | 4,754,947 | (76) | 4,881,968 | (81) | 4,824,075 | (80) | 4,735,669 | (79) | 4,804,660 | (79) |
| **Germany** | **World** | **3,076,846** | | **3,178,471** | | **2,900,417** | | **3,159,380** | | **3,283,325** | |
| | ITTO Prod. | 14,081 | (0) | 17,014 | (1) | 11,322 | (0) | 11,717 | (0) | 11,163 | (0) |
| | ITTO Con. | 2,681,093 | (87) | 2,829,539 | (89) | 2,559,714 | (88) | 2,797,736 | (89) | 2,903,828 | (88) |
| **Denmark** | **World** | **2,137,264** | | **2,063,624** | | **1,964,231** | | **1,931,615** | | **2,058,777** | |
| | ITTO Prod. | 1,835 | (0) | 3,705 | (0) | 3,444 | (0) | 4,500 | (0) | 6,282 | (0) |
| | ITTO Con. | 2,043,180 | (96) | 1,964,798 | (95) | 1,877,566 | (96) | 1,837,349 | (95) | 1,941,101 | (94) |
| **France+** | **World** | **1,683,607** | | **1,685,074** | | **1,610,850** | | **1,543,218** | | **1,608,567** | |
| | ITTO Prod. | 21,006 | (1) | 14,323 | (1) | 13,197 | (1) | 15,054 | (1) | 14,018 | (1) |
| | ITTO Con. | 1,466,953 | (87) | 1,493,897 | (89) | 1,430,136 | (89) | 1,353,226 | (88) | 1,410,246 | (88) |
| **Belgium*** | **World** | **1,330,498** | | **1,573,974** | | **1,526,777** | | **1,490,696** | | **1,588,835** | |
| | ITTO Prod. | 3,061 | (0) | 2,516 | (0) | 3,555 | (0) | 4,714 | (0) | 4,961 | (0) |
| | ITTO Con. | 1,265,470 | (95) | 1,516,697 | (96) | 1,480,889 | (97) | 1,444,731 | (97) | 1,552,441 | (98) |
| **China+** | **World** | **3,091,977** | | **3,653,087** | | **4,454,754** | | **4,671,475** | | **7,203,658** | |
| | ITTO Prod. | 28,196 | (1) | 28,101 | (1) | 42,379 | (1) | 41,150 | (1) | 67,733 | (1) |
| | ITTO Con. | 2,858,358 | (92) | 3,426,972 | (94) | 4,182,643 | (94) | 4,408,277 | (94) | 6,789,505 | (94) |
| **Canada** | **World** | **3,294,989** | | **4,074,454** | | **4,399,144** | | **4,209,859** | | **4,356,768** | |
| | ITTO Prod. | 4,612 | (0) | 3,568 | (0) | 3,384 | (0) | 3,280 | (0) | 3,209 | (0) |
| | ITTO Con. | 3,268,964 | (99) | 4,050,255 | (99) | 4,375,700 | (99) | 4,190,243 | (100) | 4,333,974 | (99) |
| **Poland** | **World** | **1,953,731** | | **1,925,343** | | **2,046,494** | | **2,179,864** | | **2,445,782** | |
| | ITTO Prod. | 439 | (0) | 2,877 | (0) | 4,718 | (0) | 5,607 | (0) | 12,672 | (1) |
| | ITTO Con. | 1,621,844 | (83) | 1,713,379 | (89) | 1,805,371 | (88) | 1,901,398 | (87) | 2,097,805 | (86) |
| **Indonesia** | **World** | **829,655** | | **1,857,510** | | **2,210,714** | | **2,033,465** | | **2,121,412** | |
| | ITTO Prod. | 10,028 | (1) | 24,218 | (1) | 31,115 | (1) | 32,168 | (2) | 35,655 | (2) |
| | ITTO Con. | 680,134 | (82) | 1,620,582 | (87) | 1,943,091 | (88) | 1,799,201 | (88) | 1,873,380 | (88) |
| **USA** | **World** | **1,905,195** | | **1,889,010** | | **2,064,262** | | **1,812,491** | | **1,833,438** | |
| | ITTO Prod. | 117,014 | (6) | 91,395 | (5) | 82,644 | (4) | 79,088 | (4) | 70,157 | (4) |
| | ITTO Con. | 1,295,819 | (68) | 1,327,252 | (70) | 1,466,854 | (71) | 1,306,581 | (72) | 1,341,392 | (73) |
| **Malaysia** | **World** | **1,268,792** | | **1,494,768** | | **1,653,296** | | **1,422,338** | | **1,539,255** | |
| | ITTO Prod. | 12,537 | (1) | 19,639 | (1) | 30,084 | (2) | 28,891 | (2) | 29,457 | (2) |
| | ITTO Con. | 1,021,354 | (80) | 1,217,404 | (81) | 1,356,856 | (82) | 1,174,619 | (83) | 1,271,712 | (83) |
| **ITTO Consumers*** | **World** | **30,557,339** | | **32,097,445** | | **32,706,476** | | **31,175,338** | | **34,583,117** | |
| | ITTO Prod. | 324,598 | (1) | 291,020 | (1) | 302,180 | (1) | 432,813 | (1) | 300,473 | (1) |
| | ITTO Con. | 26,352,452 | (86) | 28,514,717 | (89) | 29,020,191 | (89) | 27,592,010 | (89) | 30,812,659 | (89) |
| **World*** | **World** | **39,760,512** | | **43,008,018** | | **44,391,084** | | **43,513,965** | | **48,162,460** | |
| | ITTO Prod. | 727,612 | (2) | 738,525 | (2) | 740,096 | (2) | 697,434 | (2) | 582,546 | (1) |
| | ITTO Cons. | 33,825,453 | (85) | 37,797,692 | (88) | 39,034,587 | (88) | 38,181,277 | (88) | 42,672,624 | (89) |

+ France includes Monaco. China includes People's Republic of China plus Hong Kong and Macao Special Administrative Regions - see text for breakdown.

* ITTO estimate for 2002 due to incomplete trade data (see text). Further ITTO estimate for Belgium in 1998 to exclude Luxembourg's exports.

**Table 5-6. Types of SPWP Exported by Major Exporters, 2001 [1000 US$; (% share)]**

| Exporter | To | Wooden Furniture and Parts | | Builder's Woodwork | | Other SPWP | | Mouldings | | Cane and Bamboo Furniture and Parts | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **European Union** | **World** | **13,241,977** | | **2,799,244** | | **2,123,074** | | **814,872** | | **593,110** | |
| | ITTO Prod. | 117,630 | (1) | 9,668 | (0) | 11,755 | (1) | 3,237 | (0) | 14,447 | (2) |
| | ITTO Con. | 11,339,760 | (86) | 2,446,857 | (87) | 1,886,021 | (89) | 732,961 | (90) | 447,598 | (75) |
| **Italy** | **World** | **4,920,135** | | **193,735** | | **352,358** | | **196,100** | | **368,462** | |
| | ITTO Prod. | 62,091 | (1) | 1,520 | (1) | 2,086 | (1) | 321 | (0) | 8,843 | (2) |
| | ITTO Con. | 3,854,077 | (78) | 120,175 | (62) | 308,705 | (88) | 178,517 | (91) | 274,195 | (74) |
| **Germany** | **World** | **2,242,311** | | **437,207** | | **356,224** | | **84,603** | | **39,035** | |
| | ITTO Prod. | 8,049 | (0) | 1,502 | (0) | 1,950 | (1) | 103 | (0) | 113 | (0) |
| | ITTO Con. | 2,051,454 | (91) | 368,898 | (84) | 283,709 | (80) | 60,590 | (72) | 33,085 | (85) |
| **Denmark** | **World** | **1,398,833** | | **400,882** | | **92,958** | | **32,140** | | **6,801** | |
| | ITTO Prod. | 3,574 | (0) | 780 | (0) | 111 | (0) | 22 | (0) | 13 | (0) |
| | ITTO Con. | 1,334,172 | (95) | 382,004 | (95) | 87,047 | (94) | 27,753 | (86) | 6,374 | (94) |
| **France+** | **World** | **860,713** | | **130,383** | | **435,285** | | **78,844** | | **37,993** | |
| | ITTO Prod. | 11,318 | (1) | 1,084 | (1) | 959 | (0) | 705 | (1) | 988 | (3) |
| | ITTO Con. | 734,604 | (85) | 112,229 | (86) | 405,897 | (93) | 73,308 | (93) | 27,189 | (72) |
| **Belgium/Lux.** | **World** | **889,655** | | **290,219** | | **212,647** | | **75,739** | | **22,436** | |
| | ITTO Prod. | 1,342 | (0) | 1,096 | (0) | 1,761 | (1) | 393 | (1) | 121 | (1) |
| | ITTO Con. | 868,821 | (98) | 273,922 | (94) | 207,314 | (97) | 72,548 | (96) | 22,125 | (99) |
| **China+** | **World** | **2,416,306** | | **293,118** | | **1,588,502** | | **107,483** | | **266,066** | |
| | ITTO Prod. | 17,935 | (1) | 1,284 | (0) | 17,837 | (1) | 538 | (1) | 3,556 | (1) |
| | ITTO Con. | 2,268,305 | (94) | 282,535 | (96) | 1,505,331 | (95) | 101,520 | (94) | 250,585 | (94) |
| **Canada** | **World** | **2,239,240** | | **1,199,959** | | **522,810** | | **239,830** | | **8,020** | |
| | ITTO Prod. | 1,064 | (0) | 1,075 | (0) | 60 | (0) | 1,049 | (0) | 32 | (0) |
| | ITTO Con. | 2,230,697 | (100) | 1,193,319 | (99) | 521,394 | (100) | 237,117 | (99) | 7,716 | (96) |
| **Poland** | **World** | **1,602,688** | | **153,786** | | **366,509** | | **48,058** | | **8,823** | |
| | ITTO Prod. | 5,352 | (0) | 0 | (0) | 255 | (0) | 0 | (0) | 0 | (0) |
| | ITTO Con. | 1,373,004 | (86) | 133,034 | (87) | 346,426 | (95) | 47,381 | (99) | 1,553 | (18) |
| **Indonesia** | **World** | **738,296** | | **524,988** | | **286,262** | | **227,167** | | **256,751** | |
| | ITTO Prod. | 12,006 | (2) | 5,921 | (1) | 5,006 | (2) | 6,221 | (3) | 3,013 | (1) |
| | ITTO Con. | 659,337 | (89) | 470,396 | (90) | 251,074 | (88) | 186,582 | (82) | 231,813 | (90) |
| **USA** | **World** | **867,965** | | **307,524** | | **390,815** | | **187,316** | | **58,871** | |
| | ITTO Prod. | 45,802 | (5) | 4,046 | (1) | 21,912 | (6) | 2,614 | (1) | 4,714 | (8) |
| | ITTO Con. | 576,934 | (66) | 252,198 | (82) | 281,968 | (72) | 162,140 | (87) | 33,342 | (57) |
| **Malaysia** | **World** | **992,041** | | **182,315** | | **71,686** | | **155,817** | | **20,479** | |
| | ITTO Prod. | 22,888 | (2) | 1,739 | (1) | 1,994 | (3) | 1,971 | (1) | 299 | (1) |
| | ITTO Con. | 807,384 | (81) | 153,496 | (84) | 51,672 | (72) | 144,325 | (93) | 17,741 | (87) |
| **ITTO Consumers** | **World** | **19,251,585** | | **4,836,845** | | **4,743,436** | | **1,400,281** | | **943,192** | |
| | ITTO Prod. | 276,532 | (1) | 29,014 | (1) | 86,609 | (2) | 11,787 | (1) | 28,871 | (3) |
| | ITTO Con. | 16,860,267 | (88) | 4,401,391 | (91) | 4,296,811 | (91) | 1,282,512 | (92) | 751,028 | (80) |
| **World** | **World** | **26,236,015** | | **6,779,419** | | **6,653,011** | | **2,461,682** | | **1,383,839** | |
| | ITTO Prod. | 391,928 | (1) | 67,918 | (1) | 134,822 | (2) | 64,214 | (3) | 38,551 | (3) |
| | ITTO Cons. | 22,773,175 | (87) | 6,053,982 | (89) | 5,999,964 | (90) | 2,215,139 | (90) | 1,139,017 | (82) |

+ France includes Monaco. China includes People's Republic of China plus Hong Kong and Macao Special Administrative Regions - see text for breakdown.

**Table 5-7. Major Tropical Exporters of Secondary Processed Wood Products [1000 US$; (% share)]+**

| Exporter | To | 1998 | | 1999 | | 2000 | | 2001 | | 2002 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Thailand*** | **World** | **738,112** | | **916,598** | | **1,070,202** | | **991,731** | | **1,157,776** | |
| | ITTO Prod. | 7,698 | (1) | 11,052 | (1) | 10,996 | (1) | 14,698 | (1) | 16,347 | (1) |
| | ITTO Con. | 704,292 | (95) | 870,082 | (95) | 1,018,242 | (95) | 941,348 | (95) | 1,098,323 | (95) |
| **Mexico** | **World** | **985,145** | | **1,053,554** | | **1,149,270** | | **914,048** | | **908,278** | |
| | ITTO Prod. | 9,941 | (1) | 8,571 | (1) | 7,885 | (1) | 5,641 | (1) | 3,869 | (0) |
| | ITTO Con. | 962,537 | (98) | 1,032,068 | (98) | 1,131,227 | (98) | 901,024 | (99) | 900,251 | (99) |
| **Brazil** | **World** | **510,417** | | **655,351** | | **788,342** | | **807,299** | | **987,406** | |
| | ITTO Prod. | 4,414 | (1) | 5,623 | (1) | 11,559 | (1) | 15,957 | (2) | 22,923 | (2) |
| | ITTO Con. | 435,014 | (85) | 563,294 | (86) | 653,955 | (83) | 681,858 | (84) | 904,312 | (92) |
| **Viet Nam*** | **World** | **198,719** | | **271,148** | | **380,497** | | **420,499** | | **564,695** | |
| | ITTO Prod. | 2,297 | (1) | 2,735 | (1) | 4,118 | (1) | 4,641 | (1) | 3,905 | (1) |
| | ITTO Con. | 176,870 | (89) | 241,733 | (89) | 338,940 | (89) | 374,484 | (89) | 505,227 | (89) |
| **Philippines** | **World** | **366,099** | | **385,133** | | **482,984** | | **325,016** | | **329,032** | |
| | ITTO Prod. | 3,165 | (1) | 3,080 | (1) | 3,296 | (1) | 2,313 | (1) | 1,814 | (1) |
| | ITTO Con. | 347,023 | (95) | 361,231 | (94) | 461,737 | (96) | 308,938 | (95) | 309,809 | (94) |
| **Singapore** | **World** | **160,307** | | **113,304** | | **114,448** | | **94,719** | | **84,173** | |
| | ITTO Prod. | 12,323 | (8) | 10,594 | (9) | 13,658 | (12) | 13,813 | (15) | 12,576 | (15) |
| | ITTO Con. | 112,298 | (70) | 76,092 | (67) | 71,419 | (62) | 57,413 | (61) | 50,098 | (60) |
| **India** | **World** | **16,294** | | **22,484** | | **40,881** | | **53,035** | | **62,795** | |
| | ITTO Prod. | 216 | (1) | 390 | (2) | 476 | (1) | 658 | (1) | 738 | (1) |
| | ITTO Con. | 12,283 | (75) | 17,934 | (80) | 32,710 | (80) | 44,934 | (85) | 54,471 | (87) |
| **Colombia** | **World** | **15,809** | | **17,486** | | **29,836** | | **44,425** | | **31,479** | |
| | ITTO Prod. | 8,958 | (57) | 9,332 | (53) | 15,340 | (51) | 24,797 | (56) | 12,021 | (38) |
| | ITTO Con. | 5,574 | (35) | 6,685 | (38) | 11,295 | (38) | 14,230 | (32) | 13,944 | (44) |
| **Paraguay** | **World** | **25,709** | | **27,682** | | **39,132** | | **43,102** | | **39,529** | |
| | ITTO Prod. | 1,772 | (7) | 999 | (4) | 1,592 | (4) | 655 | (2) | 689 | (2) |
| | ITTO Con. | 8,596 | (33) | 14,206 | (51) | 17,641 | (45) | 26,651 | (62) | 27,349 | (69) |
| **Honduras** | **World** | **30,737** | | **30,378** | | **28,846** | | **33,783** | | **24,053** | |
| | ITTO Prod. | 1,158 | (4) | 346 | (1) | 434 | (2) | 519 | (2) | 880 | (4) |
| | ITTO Con. | 26,825 | (87) | 27,160 | (89) | 24,010 | (83) | 27,847 | (82) | 14,372 | (60) |
| **ITTO Asia Pacific*** | **World** | **3,219,094** | | **4,676,493** | | **5,462,258** | | **4,838,389** | | **5,214,120** | |
| | ITTO Prod. | 33,662 | (1) | 58,381 | (1) | 76,054 | (1) | 78,869 | (2) | 84,078 | (2) |
| | ITTO Con. | 2,765,213 | (86) | 4,087,235 | (87) | 4,816,319 | (88) | 4,271,801 | (88) | 4,610,896 | (88) |
| **ITTO Latin America** | **World** | **639,959** | | **799,904** | | **950,943** | | **982,067** | | **1,129,586** | |
| | ITTO Prod. | 20,386 | (3) | 21,179 | (3) | 32,092 | (3) | 46,245 | (5) | 42,751 | (4) |
| | ITTO Con. | 512,281 | (80) | 657,836 | (82) | 760,066 | (80) | 789,487 | (80) | 998,574 | (88) |
| **ITTO Africa*** | **World** | **37,370** | | **87,714** | | **61,397** | | **73,256** | | **76,919** | |
| | ITTO Prod. | 255 | (1) | 33,913 | (39) | 1,273 | (2) | 163 | (0) | 171 | (0) |
| | ITTO Con. | 35,614 | (95) | 52,051 | (59) | 58,649 | (96) | 72,005 | (98) | 75,605 | (98) |
| **ITTO Producers*** | **World** | **3,896,422** | | **5,564,111** | | **6,474,598** | | **5,893,712** | | **6,420,624** | |
| | ITTO Prod. | 54,303 | (1) | 113,473 | (2) | 109,420 | (2) | 125,277 | (2) | 127,001 | (2) |
| | ITTO Con. | 3,313,108 | (85) | 4,797,122 | (86) | 5,635,034 | (87) | 5,133,293 | (87) | 5,685,075 | (89) |

+ Indonesia and Malaysia (the largest tropical exporters) are included with the group of major global exporters in Table 5.5

* ITTO estimate for 2002 due to incomplete trade data (see text). Mirror statistics from partner countries used for Viet Nam in 1998-2002.

**Table 5-8. Types of SPWP Exported by Major Tropical Exporters, 2001 [1000 US$; (% share)]+**

| Exporter | To | Wooden Furniture and Parts | | Builder's Woodwork | | Other SPWP | | Mouldings | | Cane and Bamboo Furniture and Parts | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Thailand** | **World** | **632,000** | | **36,053** | | **233,651** | | **70,195** | | **19,832** | |
| | ITTO Prod. | 9,835 | (2) | 623 | (2) | 2,645 | (1) | 549 | (1) | 1,046 | (5) |
| | ITTO Con. | 605,118 | (96) | 29,403 | (82) | 221,140 | (95) | 68,306 | (97) | 17,381 | (88) |
| **Mexico** | **World** | **598,571** | | **72,720** | | **168,603** | | **69,402** | | **4,752** | |
| | ITTO Prod. | 3,881 | (1) | 461 | (1) | 1,177 | (1) | 2 | (0) | 119 | (3) |
| | ITTO Con. | 589,540 | (98) | 71,881 | (99) | 165,994 | (98) | 69,387 | (100) | 4,220 | (89) |
| **Brazil** | **World** | **386,102** | | **169,159** | | **162,475** | | **88,728** | | **834** | |
| | ITTO Prod. | 9,487 | (2) | 3,299 | (2) | 1,727 | (1) | 1,416 | (2) | 29 | (3) |
| | ITTO Con. | 294,678 | (76) | 155,443 | (92) | 149,529 | (92) | 81,971 | (92) | 237 | (28) |
| **Viet Nam*** | **World** | **323,895** | | **4,097** | | **45,353** | | **5,120** | | **42,035** | |
| | ITTO Prod. | 1,057 | (0) | 2 | (0) | 3,426 | (8) | 5 | (0) | 151 | (0) |
| | ITTO Con. | 290,968 | (90) | 3,692 | (90) | 37,464 | (83) | 4,611 | (90) | 37,748 | (90) |
| **Philippines** | **World** | **99,340** | | **85,048** | | **34,989** | | **253** | | **105,386** | |
| | ITTO Prod. | 661 | (1) | 55 | (0) | 261 | (1) | 0 | (0) | 1,337 | (1) |
| | ITTO Con. | 92,794 | (93) | 83,838 | (99) | 32,557 | (93) | 252 | (100) | 99,496 | (94) |
| **Singapore** | **World** | **42,823** | | **11,430** | | **16,609** | | **17,044** | | **6,814** | |
| | ITTO Prod. | 6,734 | (16) | 1,918 | (17) | 3,411 | (21) | 864 | (5) | 887 | (13) |
| | ITTO Con. | 21,773 | (51) | 7,622 | (67) | 7,711 | (46) | 15,242 | (89) | 5,065 | (74) |
| **India** | **World** | **37,589** | | **1,387** | | **11,938** | | **330** | | **1,791** | |
| | ITTO Prod. | 354 | (1) | 51 | (4) | 242 | (2) | 4 | (1) | 6 | (0) |
| | ITTO Con. | 33,561 | (89) | 788 | (57) | 8,812 | (74) | 312 | (94) | 1,460 | (82) |
| **Colombia** | **World** | **31,157** | | **3,384** | | **6,078** | | **3,417** | | **389** | |
| | ITTO Prod. | 15,218 | (49) | 1,789 | (53) | 4,396 | (72) | 3,146 | (92) | 249 | (64) |
| | ITTO Con. | 12,560 | (40) | 424 | (13) | 991 | (16) | 136 | (4) | 119 | (31) |
| **Paraguay** | **World** | **796** | | **7,153** | | **1,242** | | **33,911** | | **0** | |
| | ITTO Prod. | 16 | (2) | 22 | (0) | 229 | (18) | 388 | (1) | 0 | (0) |
| | ITTO Con. | 348 | (44) | 6,237 | (87) | 438 | (35) | 19,628 | (58) | 0 | (0) |
| **Honduras** | **World** | **14,200** | | **777** | | **10,358** | | **7,722** | | **725** | |
| | ITTO Prod. | 276 | (2) | 39 | (5) | 180 | (2) | 24 | (0) | 0 | (0) |
| | ITTO Con. | 13,446 | (95) | 516 | (66) | 7,811 | (75) | 5,354 | (69) | 721 | (99) |
| **ITTO Asia Pacific** | **World** | **2,505,500** | | **832,041** | | **640,141** | | **454,097** | | **406,611** | |
| | ITTO Prod. | 45,847 | (2) | 8,395 | (1) | 10,163 | (2) | 8,746 | (2) | 5,718 | (1) |
| | ITTO Con. | 2,200,535 | (88) | 737,986 | (89) | 565,612 | (88) | 399,777 | (88) | 367,891 | (90) |
| **ITTO Latin America** | **World** | **469,792** | | **202,703** | | **194,982** | | **111,647** | | **2,944** | |
| | ITTO Prod. | 27,622 | (6) | 5,228 | (3) | 8,400 | (4) | 4,647 | (4) | 348 | (12) |
| | ITTO Con. | 347,708 | (74) | 173,956 | (86) | 168,795 | (87) | 97,898 | (88) | 1,131 | (38) |
| **ITTO Africa** | **World** | **10,306** | | **5,230** | | **10,865** | | **46,284** | | **571** | |
| | ITTO Prod. | 99 | (1) | 6 | (0) | 25 | (0) | 29 | (0) | 4 | (1) |
| | ITTO Con. | 9,978 | (97) | 4,971 | (95) | 10,580 | (97) | 45,949 | (99) | 527 | (92) |
| **ITTO Producers** | **World** | **2,985,598** | | **1,039,973** | | **845,988** | | **612,028** | | **410,126** | |
| | ITTO Prod. | 73,568 | (2) | 13,629 | (1) | 18,589 | (2) | 13,421 | (2) | 6,070 | (1) |
| | ITTO Con. | 2,558,221 | (86) | 916,914 | (88) | 744,987 | (88) | 543,623 | (89) | 369,549 | (90) |

+ Indonesia and Malaysia (the largest tropical exporters) are included with the group of major global exporters in Table 5.6

* Mirror statistics from partner countries used for Viet Nam.

# Appendix 6

## UN/ECE Timber Committee Market Statement

## on Forest Products Markets in 2003 and 2004

# UN/ECE TIMBER COMMITTEE MARKET STATEMENT ON FOREST PRODUCTS MARKETS IN 2003 AND 2004

Abridged version - the entire official text of the Market Statement
was adopted by the UN/ECE Timber Committee
at its sixty-first session in Geneva, Switzerland, 10 October 2003
(www.unece.org/press/pr2003/03tim_n02e.htm)

## Overview of Forest Products Markets in 2003 and 2004

Forest products markets in the UNECE region were forecast to remain at high volumes in 2003, although oversupply appeared in several sectors. However the outlook for 2004 is for little change, with the exception of Russia and the central and eastern European countries (CEECs), interpreted as uncertainty about economic conditions. Certain subregions, for example CEECs and the Commonwealth of Independent States (CIS), principally Russia, are benefiting from high GDP growth, availability of wood raw materials, low labour costs and favourable government policies creating a climate for international investment. In North America, wood products market demand is at a high level due to the strong US housing construction, where more than 95% of houses are built from wood products. Western Europe is currently experiencing weakness in housing construction and associated demand for wooden furnishings and millwork, although some optimism was expressed for 2004.

The Timber Committee examined illegal logging, an issue affecting forest products markets. Forest law enforcement, governance and trade (FLEGT) is at present the main issue in the forest sector and the Committee's annual Market Discussions provided a forum for a multi-stakeholder discussion. Illegal logging denies revenues to governments, industries and forest owners, puts downward pressure on forest products prices, negatively affects workers and compromises sustainable forest management. The Committee wants to work together with other organizations to determine the extent and causes of illegal logging and trade.

Certification of sustainable forest management was discussed as a means of ensuring the source of wood products, however currently a lack of chain-of-custody documentation is an obstacle to bringing the growing volume of certified forest products to market with an identifying label. The area of certified forestland has grown to approximately 160 million hectares worldwide, under specific forest certification schemes, of which most is in the UNECE region. In environmentally-conscious markets, certified forest products are gaining recognition, but mainly at the business-to-business level. Public procurement policies, in favour of wood products originating from sustainably managed forests may become important drivers, e.g. in Germany, Denmark, Netherlands and the United Kingdom. The lack of a price premium for certified forest products and of comprehensive mutual recognition of certification schemes remain outstanding concerns.

Wood-based energy has been and is being promoted by governments and forest owners throughout Europe as a means to improve forest viability, provide rural employment, promote renewable resources and reduce $CO_2$ emissions from fossil fuels, and thereby mitigate climate change. In treating this topical issue, the Committee felt wood energy should be promoted by governments, noting an excess of growth over removals in the region's forests, while acknowledging the concern of some industry sectors for raw material competition.

The Committee discussed markets for certified forest products, value-added forest products, sawn softwood, sawn hardwood, panels, pulp and paper and wood raw materials. The theme of this year's discussions was the market effects of wood energy policies. Developments in 2003 and forecasts for 2004 in these sectors are detailed below.

## Economic Situation

Global activity picked up in 2003 after a pronounced cyclical downturn. North America remains the main engine of growth, although there are persistent concerns about the ability of the United States to increase growth, in view of developments regarding interest rates, unemployment, trade and budget deficits, and exchange rates. Most western European countries show continued stagnation while eastern Europe and the CIS have demonstrated strong resilience

to the weakening of the growth forces in western Europe. The US housing market remains strong although long-term interest rates have edged up. The euro has appreciated against both the dollar and the yen. GDP growth in North America in 2003 will be about 2.6%, compared to 1.0% for western Europe. Stronger growth is expected for 2004: 3.8% for North America and 2.1% for western Europe. GDP in eastern Europe is expected to grow by 3.6% in 2003 and 4.4% in 2004, while in the CIS, the corresponding growth rates are 6.2 and 5.1%. There remain however downside risks, related to the robustness of US consumer spending, the consequences of the stronger euro, persistently high oil prices and the impact of the United States' large current account deficit.

## Sawn Softwood

Sawn softwood markets are forecast to remain steady at high volumes in both Europe and North America in 2003 and 2004. Sawn softwood demand from the extraordinarily strong US housing market, at 1.7 million houses annually, continued to drive not only imports from the traditional supplier, Canada, but also from other countries. Globalization is transforming sawnwood trade. The US is increasing imports of sawnwood, and further-processed sawnwood products, both from within the UNECE region, but also from outside, for example plantation-grown softwood from the southern hemisphere.

US imports from Canada continue to be subject to the 27% duty imposed following the end of the Softwood Lumber Agreement. It was noted that trade disturbances such as the U.S. anti-dumping and countervailing duties on Canadian sawn softwood have underlying impacts such as the transfer of trade to other countries. Such formal trade actions can lead to fundamental changes such as increases in manufacturing efficiency. Canada forecast a 4% increase in exports in 2004 to reach 36 million $m^3$, overcoming a forecast dip in 2003. Most of these increases will be to offshore markets, particularly in Asia.

Despite the weak US dollar in 2003, offshore exporters were able to expand their share of the US market. As was the case for Europe in 1993, North America's increasing imports could turn the subregion into a net importer in the near future. Sawnwood prices in North America have been weak in an oversupply situation, but some strengthening in prices is evident in Europe.

Russian sawnwood prices remain below western prices, but sawmills in Russia are economically viable because of low labour costs.

The Timber Committee discussion included policies promoting the sawn softwood sector. The Russian sawmilling sector development is benefiting from favourable government policies which have also created the conditions for increasing international investment that will add another 1 million $m^3$ in production capacity. Russian sawn softwood exports are forecast to grow by 5% in 2003 and again by 6% in 2004 confirming recovery of the sector's exports to levels greater than the former USSR. Growth has been strongest for exports to non-UNECE region countries, especially China, which doubled its sawnwood imports from Russia between 2000 and 2002, and to other CIS countries, which have now regained levels of the former USSR, and become, as a group, Russia's most important export destination. Policies are being developed to promote increased domestic consumption of sawnwood in housing and industrial construction. Some Russian sawmills envisage their residues will be increasingly used for energy production, both within the country and also in western Europe due to government policies promoting renewable energies.

## Sawn Hardwood

Sawn hardwood markets in the UNECE region are forecast to remain steady overall in 2003 and 2004. In Europe a furniture crisis occurred in 2002: growth in furniture demand stopped, leading to a drop in sawn hardwood demand. Throughout the UNECE region, increasing imports of furniture from outside the region are displacing domestic production, negatively affecting both sawnwood and panels demand. For example, China has quickly risen to become the second largest furniture exporter in the world behind Italy. The acceleration of trade in hardwood dimension (cut-to-size and defect-free parts) is displacing some sawnwood trade, which is a positive development when it maintains hardwood demand.

Romanian production and exports of sawn hardwood were forecast to accelerate in 2003 and 2004 in contrast to more subdued forecasts for other countries. Exports of sawn hardwood are forecast to expand by 23% in 2004, confirming Romania as Europe's largest sawn hardwood exporter. Government policies have opened

Romania to foreign investment. In addition, policies now promote exports, especially of sawnwood, panels and value-added products such as furniture.

Oak is once again becoming fashionable in Europe, along with other "dark" species, such as cherry. In discussion, the Committee felt the renewed interest in oak was in part due to successful promotional campaigns, such as "J'ai choisi le chêne" (I chose oak) in France.

In Europe, despite the lack of public awareness, the business-to-business demand for sawn hardwood that is certified as coming from sustainably managed forests is growing, however the availability of supply is not keeping abreast of demand. Reasons include: chain-of-custody problems, lack of a price premium, issues related to indigenous rights, etc. Tropical hardwoods have difficulty achieving certification in part due to small-sized holdings. Tropical forests are often seen as sources of illegal logging, but some of the allegations made appear to arise because of inadequate national accounting of production and exports.

## Wood-based Panels

Consumption of wood-based panels (plywood, particle board, OSB and fibreboard) in Europe in 2002 attained a new record level of 54.1 million $m^3$, slightly higher than in 2001. This result was due to the positive development of the sector in the central and eastern European countries, where consumption increased by 17.4%, while it fell by 2.3% in western Europe. The Committee forecast for 2003 a drop in consumption of 1.9% in Europe as a whole. A slight recovery is expected in 2004. In the Russian Federation consumption in 2002 increased by 10.7% to a record 4.7 million $m^3$. This trend is forecast to continue in 2003 by 13.2% and in 2004 by 7.8%. In North America thanks to the continued strong construction sector, consumption went up by 4.7% in 2002 but is expected to fall slightly in 2003, by 0.8% to 60 million $m^3$ and remain at his level in 2004.

Panel production in general remains at high levels but the industry is facing short-term overcapacity and low prices. Rationalisation has been taking place in the less competitive plants while capacity expansions at the scale of the last decade seem to be over. There are still prospects for technology improvements, better product quality, higher value added products and enhanced service.

For all panel types, European manufacturers are worried about the increase in raw material costs. In particular, they feel that the availability of supplies of raw material for panels is coming under increased pressure because of the policy in many countries to promote the use of wood for energy. It was pointed out that the panels industry performed a valuable ecological function in utilizing low-quality wood, recycled wood and wood residues.

## Paper, Paperboard and Wood Pulp

European consumption of paper and paperboard is expected to expand by 1.9% to 92 million metric tonnes (m.t.) in 2003 and a further 1.1% to 93 million m.t. in 2004, both record levels, with similar rates of growth for production and rather faster growth for trade. Russian consumption will grow faster, by nearly 9% in 2003 and 7% in 2004, as per caput consumption levels converge on those of Europe and North America. In North America however, consumption of paper and paperboard, at just over 98 million m.t. in 2002 was well below the records attained in 1999 and 2000, and is not expected to expand significantly in the medium term. This reflects some structural changes in the economy, such as the shift from manufacturing to services and weakness of advertising in paper-based media, as well as overcapacity in the sector.

Despite rising production of paper and paperboard, consumption of wood pulp is expected to stagnate or decline in Europe and North America. In Europe, wood pulp now accounts for less than half the raw material used for paper and paperboard production, as the use of recovered paper expands rapidly. This trend is expected to continue, as it is in line with policy objectives and the commitments of the industry to develop recycling. It was pointed out that that the pulp and paper sector is the largest producer and user of wood energy.

In Russia, production and exports of wood pulp will expand in 2003 and 2004. Exports will grow by over 3% in 2003 and a further 2.6% in 2004, to reach 2 million m.t., out of total production of nearly 6.8 million m.t.

## Wood Raw Materials Including Wood Energy

In the UNECE region, roundwood removals are expected to grow in the period from 2002 to 2004. The highest growth, of 2.0%, is forecast for the

CIS subregion. For the first time in 2004 consumption is expected to increase faster than production, by 4.1% annually. Roundwood exports are expected to stop growing, after continuous growth since 1996. While the majority of these exports are legal, some come partly from illegal logging. There is an increasing concern that illegal logging is affecting global forest products markets. The lack of verifiable information makes it difficult to provide more robust analysis of the situation. There is a need for much better information on the extent of illegal logging.

Removals in western Europe are growing by 1.5% per year. This rather high growth is likely to be related to recovery to normal levels, after extraordinary removals in 2000, caused by the storm damage, followed by reduced fellings during 2001 and 2002. The growth of removals in central and eastern Europe is low at 0.2% per year. The only downward trend is forecast for North America, the biggest producer and consumer of roundwood, with an annual decrease of 0.5% in 2002 to 2004. Timber harvests from US national forests continued to decline, but at a lower rate than in earlier years. Russia remains the biggest exporter of roundwood, while western Europe is expected to remain the biggest importer in the UNECE region. The trade surplus for roundwood in North America declined for the fifth consecutive year.

Raw material costs for sawmills and pulp mills have been falling in many subregions. There are two main reasons for this: oversupply of roundwood and wood chips, and lower market prices for manufactured forest products. However, an opposite trend exists in some cases in central and eastern Europe. Roundwood exports from Russia to western Europe as well as to Asian markets are expected to remain at current high levels or even to increase further through 2004, although there is a policy intention to develop wood processing and increase export of processed products.

Wood represented about 6% of the total EU primary energy production in 2000, and almost 15% of the total roundwood removals in the UNECE were used as fuelwood in 2002, mostly in CIS. The Committee noted that further analysis of the use of wood for energy purposes requires more robust data and information. In some countries, weak demand has led to accumulation of growing stock in over mature stands, some of which are showing signs of instability. Stimulation of new demand, for instance for fuelwood, would help to resolve this situation.

The hot, dry summer of 2003 influenced roundwood markets: several countries reported forest damage, notably insect infestations and fires, due to the weather conditions. Market stabilisation measures are being undertaken in a few areas.