NEW ZEALAND PLANTATION FOREST INDUSTRY

FACTS & FIGURES



2010/2011

"Training and up-skilling, alongside hard work and dedication, gave me confidence and self belief as well as technical and people skills. I can maximise the financial return for both the client and the contractor and I've benefited with much higher wages as I've become qualified. Winning FITEC Forestry Modern Apprentice has inspired a lot of youth in my community to give forestry a go. My next goal is to become a trainer/assessor so I can assist them with their own forestry careers."



FITEC Regional Training Advisors (RTAs) can facilitate all training and assessment needs. RTAs can also assist with up to date information on National Qualifications, apprenticeships and traineeships.

Contact your local FITEC Regional Training Advisor today.

Free Phone: 0800 11 99 11 www.fitec.org.nz





43,500 H

The total harvested area was up 1700 hectares from 2009 to an estimated 43.500 hectares in 2010.

NZ\$1.2 B

Log export volumes over the year ending June 2010 increased 30.1% to 9.9 million m³ with an increase in export earnings of 36.8% to \$NZ1.2 billion when compared with the June 2009 year. The considerable rise in log export volumes can be attributed to ongoing demand from China.

23.5 mm³

The total volume of logs harvested over the year ending June 2010 increased 20.5% when compared with the June 2009 year to 23.5 million m³.

CONTENTS

| Foreword | 3 |
|---|----|
| New Zealand planted forestry in summary | 4 |
| New Zealand economic indicators | 5 |
| New Zealand land use 2009 | 5 |
| Employment in forestry and processing activities | 6 |
| Net stocked area of radiata pine | 6 |
| Where the plantation forests are | 7 |
| Global forest areas by main regions (2005) | 8 |
| New Zealand planted forest ownership/management | 9 |
| New Zealand plantation forest ownership – underlying land status | 10 |
| New Zealand plantation forest management | 11 |
| Plantation forest ownership | 12 |
| Forest management trends – radiata pine | 12 |
| New forest planting and deforestation | 13 |
| Plantation forest harvest | 13 |
| Typical log out-turn | 14 |
| Log flow in the New Zealand forestry industry | 16 |
| Where the log harvest goes | 17 |
| Location of major wood processors by wood supply region | 18 |
| Lumber production and exports | 20 |
| Panel products production | 20 |
| Wood pulp production | 21 |
| Paper and paperboard production | 21 |
| Top export destinations | 22 |
| Exports of forestry products from New Zealand | 24 |
| Major export earners | 25 |
| Production and exports of selected forestry products | 26 |
| Value of exports by product and destination | 28 |
| Log exports by port | 30 |
| Sawn timber exports by port | 30 |
| Proportion of New Zealand's 1.75 million ha plantation certified by FSC | 31 |
| Forest industries training statistics | 32 |
| Trainees and apprentices by sector | 32 |
| Trainees and apprentices by region | 32 |
| Trainees and apprentices by ethnicity | 33 |
| Qualifications completed by ethnicity | 33 |
| Agreements and Accords | 34 |
| NZ Wood: forests and wood fight climate change | 36 |
| Major New Zealand forestry species | 37 |
| New Zealand Forest Owners Association strategic plan | 38 |
| Terms and things | 39 |
| Carbon emissions and sequestration | 41 |
| Carbon emissions by key sectors and forest sequestration | 41 |
| Carbon yield: multiple rotations | 42 |
| Export and domestic log pricing | 43 |
| Log pricing data | 44 |

FOREWORD



The forest industry continues to make a major contribution to New Zealand's economy, despite difficult global financial conditions over the last year. Commercial forestry is New Zealand's third-largest export earner and contributes around 2.8 percent of national GDP. Over the past year, around 23.5 million cubic metres of timber was harvested. an increase of 18 percent over the previous year and largely driven by the very large increase in the demand for logs from China. The potential wood availability from the existing estate will exceed 37 million cubic metres a year by 2025 - almost 60 percent more than current harvest levels. Export markets will continue to be a major focus for the forestry sector, as domestic use will only utilise a small proportion of the increased wood supply in coming years. There are significant opportunities to increase export earnings through innovative solutions. With this in mind, the Primary Growth Partnership has already provided significant investment in research and innovation for forestry. From 2012 there will be \$70 million of Crown funding available annually for investment in the primary sector. I look forward to seeing further Primary Growth Partnership investment that will lead to transformation and growth across the forestry sector. The Emissions Trading Scheme also provides opportunities for the industry by recognising the contribution of forests to managing the effects of climate change. Our wood products are derived from a sustainably managed resource that provides a host of economic, environmental and social benefits to all New Zealanders. This publication by the Forest Owners Association, in co-operation with the Ministry of Agriculture and Forestry, is a good example of industry and government working together for sector-wide benefit, and I am delighted to be associated with it.

Hon David Carter Minister of Forestry

3

NEW ZEALAND PLANTED FORESTRY IN SUMMARY

| Area and standing volume statistics | 1 April '081 | 1 April '09 | 1 April '10º |
|---|--------------------------|--------------------------|--------------------------|
| Net stocked forest area (ha) | | | |
| Total estimated area | 1,761,000 | 1,751,000 | 1,738,000 |
| Growth characteristics | | | |
| Standing volume (000 m³) | 445,933 | 456,874 | 467,063 |
| Average standing volume (m³/ha) | 253 | 261 | 269 |
| Area-weighted average age (years) | 15.2 | 15.6 | 15.9 |
| Area by species (ha) | | | |
| Radiata pine | 1,575,000 | 1,568,000 | 1,556,000 |
| Douglas-fir | 111,000 | 109,000 | 110,000 |
| Cypress species | 9,000 | 9,000 | 10,000 |
| Other exotic softwoods | 26,000 | 26,000 | 25,000 |
| Eucalyptus species | 25,000 | 25,000 | 24,000 |
| Other exotic hardwoods | 15,000 | 13,000 | 13,000 |
| Planting statistics | Year ended 31 Dec '07 | Year ended 31 Dec '08 | Year ended 31 Dec '09 |
| New planting (ha) | | | |
| Total estimated new planting ² | 2,400 | 1,100 | 4,300 |
| Restocking | 34,700 | 29,500 | 32,500 |
| Harvested area awaiting restocking | 47,500 | 43,700 | 55,300 |
| Harvesting statistics | Year ended 31 Mar '08 | Year ended 31 Mar '09 | Year ended 31 Mar '10 |
| Harvesting (ha) | | | |
| Area clear felled (ha) | 41,400 | 41,800 | 43,500 |
| Volume clear felled (TRVIB¹ 000 m³) | 18,663 | 19,192 | 20,588 |
| Volume production thinned (TRVIB¹ 000 m³) | 195 | 190 | 146 |
| Total volume removed (TRVIB¹ 000 m³) | 18,858 | 19,382 | 20,734 |
| Average clear fell yield (m³/ha) | 451 | 459 | 473 |
| Area-weighted average clear fell age for radiata pine (years) | 27.9 | 28.3 | 28.4 |
| Estimated planted forest roundwood removal (000 m³)³ | 20,388 | 18,847 | 21,941 |

Notes:

Source: NEFD 2009, NEFD provisional release 2010

¹ TRVIB is an abbreviation for Total Recoverable Volume Inside Bark.

 $^{^{2}\,}$ The method used to estimate new planting is described in A National Exotic Forest Description, MAF.

³ This is an indirect estimate based on the application of conversion factors to the various forestry products.

P Provisional release 17 December 2010

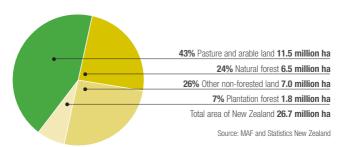
NEW ZEALAND ECONOMIC INDICATORS

For the year ended 31 March

| | 2009 | 2010 |
|--|-----------|-----------|
| Population | 4,281,200 | 4,332,000 |
| GDP \$ billion | 134.2 | 132.7 |
| GDP per capita \$ | 31,343 | 30,641 |
| Exports \$ billion | 41.4 | 37.8 |
| Forest products exports total \$ billion | 3.7 | 3.9 |
| Total overseas debt \$ billion | 176.6 | 161.0 |
| Annual percentage change in GDP | -1.0% | -0.4% |
| Inflation (as measured by annual percentage change in CPI) | 3.0% | 2.0% |
| Forestry and wood processing sector contribution to GDP | 2.8% | 2.9% |

Source: Statistics New Zealand and FOA as at 31 March 2010

NEW ZEALAND LAND USE 2009



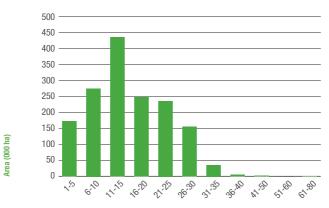
EMPLOYMENT IN FORESTRY AND PROCESSING ACTIVITIES

| Activity | Employee count ¹ as at mid-February | | | | | | | |
|---|--|---------------------|--------------------|--------------------|--------|--------|--|--|
| | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | | |
| Forestry | 1,020 | 960 r | 840 r | 700 r | 750 | 570 | | |
| Logging | 4,170 | 3,780 ^r | 3,450 r | 3,640 ^r | 3,600 | 3,310 | | |
| Services to forestry | 3,430 | 3,120 ^r | 2,840 r | 2,310 ^r | 2,360 | 2,130 | | |
| Total forestry and logging | 8,620 | 7,860 ° | 7,130 ^r | 6,650 ^r | 6,710 | 6,010 | | |
| Log sawmilling | 7,600 | 7,550 ^r | 7,040 r | 6,820 ^r | 6,210 | 5,430 | | |
| Wood chipping | 18 | 9 | 12 | 9 | 15 | 9 | | |
| Timber resawing and dressing | 1,920 | 2,180 ^r | 2,130 r | 2,340 ^r | 2,220 | 1,770 | | |
| Plywood & veneer manufacturing | 2,000 | 2,020r | 1,700 r | 1,770 ^r | 1,570 | 1,350 | | |
| Fabricated wood manufacture | 1,370 | 1,280 ^r | 1,180° | 1,130 ^r | 1,010 | 910 | | |
| Pulp, paper & paperboard manufacturing | 2,720 | 2,690 | 2,350 ^r | 2,090 | 2,040 | 1,900 | | |
| Total forestry and first stage processing | 24,248 | 22,739 ^r | 20,782° | 20,139 ° | 19,185 | 16,809 | | |

Source: Statistics New Zealand

NET STOCKED AREA OF RADIATA PINE

By age class at 1 April 2009



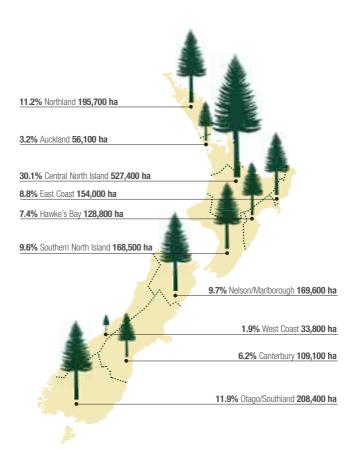
Age class (years)

Source: NEFD 2009

¹ Employee count is a head-count of all salary and wage earners for the February reference month.
Previous releases in this series described "Persons engaged" (total number of full-time employees and working proprietors (i.e. number of persons working 30 hours or more per week plus half the number of persons working part-time)), and so the data is not strictly comparable with previous releases in this series.

r Revised

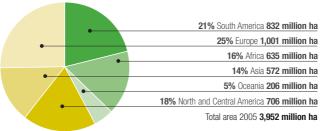
WHERE THE PLANTATION FORESTS ARE



Total 1,751,000 hectares

Source: NEFD 2009

GLOBAL FOREST AREAS BY MAIN REGIONS (2005)



Source: FAO State of World Forests 2007

GLOBALLY, THE AREA OF PLANTED FOREST IS INCREASING - IT NOW ACCOUNTS FOR 7% OF TOTAL FOREST AREA, OR 264 MILLION HECTARES. DURING 2005-2010, THE AREA OF PLANTED FOREST INCREASED BY ABOUT 5 MILLION HECTARES PER YEAR. MOST OF THIS WAS ESTABLISHED THROUGH AFFORESTATION, I.E. PLANTING OF AREAS NOT FORESTED IN RECENT TIMES, PARTICULARLY IN CHINA. THREE-QUARTERS OF ALL PLANTED FORESTS CONSIST OF NATIVE SPECIES WHILE ONE-QUARTER COMPRISES INTRODUCED SPECIES (EXOTIC).

NEW ZEALAND HAS 1.7 MILLION HECTARES OF EXOTIC, HIGHLY PRODUCTIVE, SUSTAINABLY MANAGED PLANTATION FORESTS.

NEW ZEALAND PLANTED FOREST OWNERSHIP/MANAGEMENT

As at 1 April 2010

| Forest Owner/Manager | Net stocked fore | est area (000 ha) |
|--|------------------|-------------------|
| | 2009 | 2010 |
| Hancock Natural Resource Group | 262 | 257 |
| Kaingaroa Timberlands | 174 | 175 |
| Matariki Forests | 131 | 128 |
| Global Forest Partners LP | 97 | 96 |
| Ernslaw One | 94 | 95 |
| Crown Forestry (MAF) | 63 | 61 |
| Juken New Zealand | 55 | 60 |
| Pan Pac Forest Products | 35 | 35 |
| GMO Renewable Resources ^{1,2} | 27 | 24 |
| Hikurangi Forest Farms | 26 | 25 |
| Wenita ² | 25 | 25 |
| Roger Dickie NZ | 24 | 24 |
| Blakely Pacific | 23 | 22 |
| Forest Enterprises | 21 | 21 |
| City Forests | 16 | 16 |
| Lake Taupo Forest Trust | 13 | 12 |
| Others (Under 10,000 ha) | 665 | 662 |
| Total Plantation Forest Area | 1,751 | 1,738 |

¹ GMO Renewable Resources is Investment Advisor to Kaingaroa Timberlands.

Source: FOA



² GMO Renewable Resources has a 38% share in Wenita.

NEW ZEALAND PLANTATION FOREST OWNERSHIP - UNDERLYING LAND STATUS

As at 1 April 2010

| Productive area (ha) | | | | Underlying | land status |
|--------------------------------|----------|-------|------------|------------|-------------|
| | Freehold | | | Leasehold | Total |
| | | Crown | Māori Inc. | Other | |
| Hancock Natural Resource Group | 108 | 28 | 74 | 64 | 274 |
| Kaingaroa Timberlands | 1 | 6 | 173 | 0 | 181 |
| Matariki Forests | 53 | 36 | 33 | 7 | 128 |
| Global Forest Partners LP | 34 | 61 | | 1 | 96 |
| Ernslaw One | 41 | 47 | 4 | 2 | 95 |
| Crown Forestry (MAF) | | 9 | 52 | | 61 |
| Juken New Zealand | 9 | 44 | 5 | 2 | 60 |
| Pan Pac Forest Products | 4 | 30 | | | 35 |
| GMO Renewable Resources | 14 | 4 | 3 | 3 | 24 |
| Hikurangi Forest Farms | 26 | | 2 | 0 | 28 |
| Wenita | 6 | | | 24 | 29 |
| Roger Dickie NZ | 24 | | | | 24 |
| Blakely Pacific | 21 | | | 1 | 22 |
| Forest Enterprises | 21 | | | | 21 |
| City Forests | 15 | | | 1 | 16 |
| Lake Taupo Forest Trust | 12 | 9 | | | 21 |
| Totals | 389 | 274 | 346 | 106 | 1,115 |

Crown land includes unlicensed Crown forest land as well as Crown-owned freehold land purchased by Timberlands West Coast in the 1990s and transferred to the Crown in Jan 2009.

Source: FOA



NEW ZEALAND PLANTATION FOREST MANAGEMENT

As at 1 April 2010

| Firm/entity | Fore | est management |
|--------------------------------------|------|----------------|
| | TIMO | Property Mgmt |
| Hancock Forest Management (NZ) Ltd | 270 | 225 |
| Matariki Forests | | 128 |
| Global Forest Partners LP | 63 | 33 |
| Ernslaw One | | 95 |
| Crown Forestry (MAF) | - | 3 |
| Juken New Zealand | | 60 |
| Pan Pac Forest Products | | 3 |
| GMO Renewable Resources ¹ | 24 | - |
| Hikurangi Forest Farms Ltd | - | - |
| Wenita ¹ | | 25 |
| Roger Dickie NZ | _ | - |
| Forest Management NZ Ltd | | 24 |
| Blakely Pacific | | 22 |
| Forest Enterprises | 21 | |
| City Forests | | 16 |
| Lake Taupo Forest Trust | | |
| PF Olsen Ltd | 3 | 157 |
| Timberlands Limited | | 184 |
| NZFM | - | 40 |
| Totals | 381 | 1,015 |

This table is designed to identify who manages New Zealand forests.

Within "management" there are 2 main categories:

- 1. Timberland Investment Management (commonly referred to as a TIMO).
 - These organisations do not own any forest. The forests are owned by retail investors or institutional funds.
- Property Management planning and managing field operations, mapping and maintaining records.Some entities carry out both functions within the same organisation, others carry out both for some parts of a forest estate and not others.

Source: FOA

¹ GMO Renewable Resources has a 38% share in Wenita.

PLANTATION FOREST OWNERSHIP

Net stocked planted production forest area as at 1 April 2009



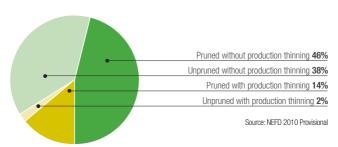
Note:

- ¹ Ownership is based solely on the ownership of the forest irrespective of the ownership of the land.
- 2 "Privately owned" includes all privately owned forests. The legal entities included in this category are private companies, partnerships, individuals and trusts, which include Māori trusts and incorporations.
- 3 "Central government" forests are predominantly Crown-owned forests on M\u00e4ori leasehold land. These forests are managed by the Ministry of Agriculture and Forestry.
- 4 Note that significant changes in forest ownership occurred during 2003 resulting in large areas of forest previously owned by public companies now being privately owned.
- ⁵ Individual entries may not sum to totals shown due to rounding.

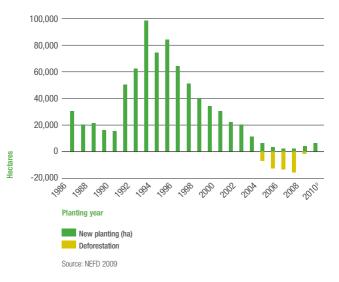
FOREST MANAGEMENT TRENDS — RADIATA PINE

| | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 |
|--------------------------------------|------|------|------|------|------|------|
| Pruned without production thinning | 49% | 48% | 47% | 45% | 46% | 46% |
| Unpruned without production thinning | 34% | 36% | 37% | 39% | 38% | 38% |
| Pruned with production thinning | 14% | 14% | 14% | 14% | 14% | 14% |
| Unpruned with production thinning | 3% | 2% | 2% | 2% | 2% | 2% |

FOREST MANAGEMENT TRENDS – RADIATA PINE (2010)



NEW FOREST PLANTING AND DEFORESTATION



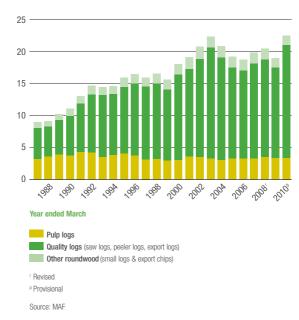
Note:

These estimates do not include immature forest cleared for other land uses.

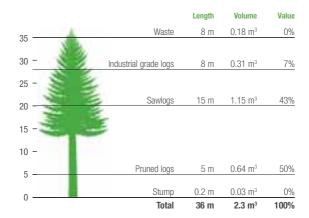
The 2010 deforestation figure is not yet available.

^p Provisional

PLANTATION FOREST HARVEST



TYPICAL LOG OUT-TURN



Met

Direct Sawlog Regime

Pruned and thinned to waste. Final Crop Stocking 228 spha.



tres

Structural Regime

No pruning. Thinned to waste. Final Crop Stocking 487 spha.

Average site (Site Index 29 m, 300Index 23 m3/ha/yr). Clearfelled at 28 years.

Approximately 45% of the pine estate is managed under a regime with pruning and thinning to waste.

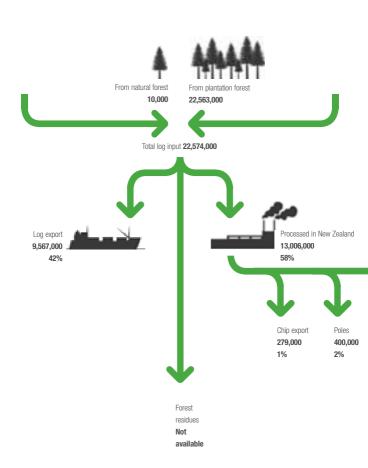
Approximately 39% of the pine estate is managed under a regime with no pruning and thinning to waste.

Source: Scion

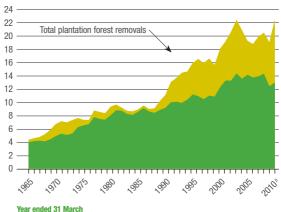


LOG FLOW IN THE NEW ZEALAND FORESTRY INDUSTRY

Volumes in ${\rm m^3}$ roundwood equivalent. Year ended 31 March 2010 $_{\rm Source;\ MAF}$ and ${\rm FOA}$



WHERE THE LOG HARVEST GOES

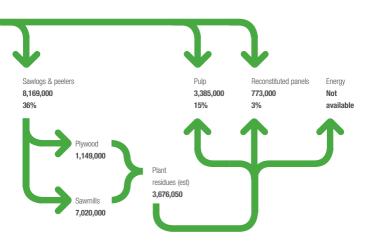


Export logs Processed in New Zealand

Note: Export logs data in 2007, further processed and production forest removals data from 2003 to 2009 have been revised.

P Provisional

Source: MAF



LOCATION OF MAJOR WOOD PROCESSORS BY WOOD SUPPLY REGION 2010



j Jenkin Timber (Auckland)k Goodwood Industries (Auckland)

Central North Island:

- F Claymark Sawmills Ltd (Katikati) 50,000-99,999 m³ sawn
- G Carter Holt Harvey Woodproducts, Plywood (Tokoroa)
- H Carter Holt Harvey Kinleith (Tokoroa)
- m Morre Levesque Morris (Cambridge)
- n Pukepine Sawmills (Te Puke)
- I Claymark Rotorua Sawmill Ltd (Rotorua) 50,000-99,999 m³
- J Tachikawa Forest Products (NZ) Ltd (Rotorua) > 100,000 m³
- Lockwood Group (Rotorua)
- p Hume Pine (Rotorua)
- q Verda (Rotorua)
- r Otorohanga Timber Company (Otorohanga)
- K Red Stag Timber (Waipa) > 100,000 m³
- L Carter Holt Harvey Woodproducts, Kawerau Sawmill (Kawerau) > 100,000 m³
- M Sequel Lumber (Kawerau) 50,000-99,999 m³
- N SCA Hygiene Australasia (Kawerau)
- Carter Holt Harvey Tasman Ltd (Kawerau)
- P Norske Skog Tasman Ltd (Kawerau)
- Carter Holt Harvey Pulp & Paper (Whakatane)
- R Laminex Group (Taupo)
- S Tenon Ltd (Taupo) > 100.000 m³
- T Winstone Pulp International (Ohakune) 50,000-99,999 m³

Hawke's Bay:

- Pan Pac Forest Products Ltd (Napier) > 100,000 m³
 - s PWP (Napier)

Southern North Island:

- V Taranakipine Ltd (New Plymouth) 50,000-99,999 m³
 - W Juken New Zealand (Masterton)

Nelson/Marlborough:

- X Waimea Sawmillers Ltd (Nelson) 50,000-99,999 m³
- Y Nelson Pine Industries Ltd (Richmond)
 - Z Southpine (Nelson) Ltd (Nelson) 50,000-99,999 m³
 - u Flight Timbers (Blenheim)
 - a Carter Holt Harvey Woodproducts, Nelson Sawmill (Eves Valley) > 100,000 m³

Canterbury:

- b Daiken (Rangiora)
- C SRS New Zealand Ltd (Rolleston) 50,000-99,999 m³
- d Starwood Products Ltd (Timaru)
- Southern Pine Products (Christchurch)

West Coast:

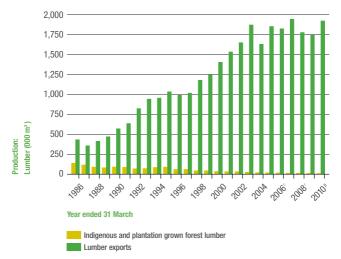
- e International Panel and Lumber Ltd (Greymouth)
- Stillwater Lumber Limited (Greymouth)
- t Southern Pine Products (Stillwater)
 - W Westco Lagan Limited (Hokitika)

Otago/Southland:

- f Dongwha Patinna NZ Ltd (Mataura)
- g Southland Veneers (Invercargill)
- h Niagara Sawmilling Co. Ltd (Invercargill) 50,000-99,999 m³
- x SCFP (Mosgiel)
- SCFP (Milton)
 - y Niagara/PT (Invercargill/Ashburton)
 - Craigpine Timber Ltd (Winton) > 100,000 m³



LUMBER PRODUCTION AND EXPORTS

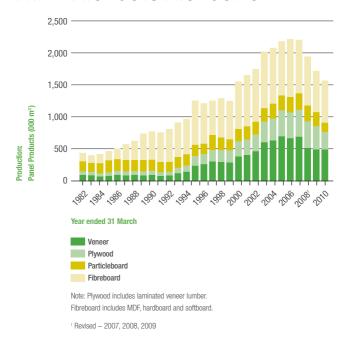


^r Revised - Production: 2006, 2007, 2008, 2009; Exports: 2008, 2009

P Provisional

Source: MAF

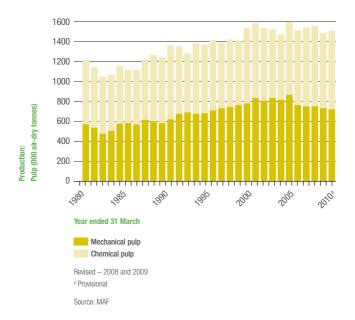
PANEL PRODUCTS PRODUCTION



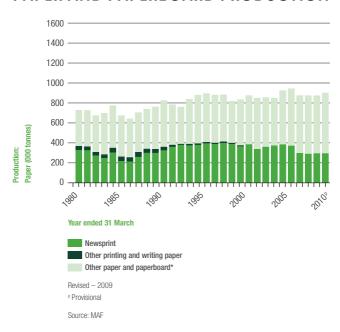
20

Source: MAF

WOOD PULP PRODUCTION



PAPER AND PAPERBOARD PRODUCTION



TOP EXPORT DESTINATIONS

Exports of forestry products by main countries of destination for the year ended March 2010 (provisional)

| United Arab Emira | ates | India | | Thailand | | China, | -4 |
|----------------------------|--------|-----------------------------|-------|----------------------------|-------|----------------------------------|--------|
| \$NZ30,335 Logs & poles | 17.3% | \$NZ151,561 Logs & poles | 61.8% | \$NZ55,147 Logs & poles | 3.1% | People's Republic \$NZ936,494 | OT |
| Sawn timber | 65.0% | Sawn timber | 4.0% | Sawn timber | 33.2% | Logs & poles | 65.1% |
| Wood pulp | 03.070 | Wood pulp | 0.1% | Wood pulp | 40.2% | Sawn timber | 13.7% |
| Paper & paperboard | 1.9% | Paper & paperboard | | Paper & paperboard | | Wood pulp | 10.9% |
| Panel products | 5.4% | Panel products | 1.7% | Panel products | 2.9% | Paper & paperboard | |
| All other | 10.4% | All other | 5.6% | All other | 10.7% | Panel products | 3.7% |
| | | | | | | All other | 2.2% |
| Saudi Arabia | | ★ Vietnam | | Malausia | | Indonesia | |
| \$NZ17,800 | | \$NZ87,465 | | Malaysia \$NZ56,332 | | \$NZ165,783 | |
| Logs & poles | _ | Logs & poles | 2.4% | Logs & poles | 0.8% | Logs & poles | 0.4% |
| Sawn timber | 47.8% | Sawn timber | 69.2% | Sawn timber | 11.0% | Sawn timber | 12.6% |
| Wood pulp | 47.070 | Wood pulp | 0.5% | Wood pulp | 36.7% | Wood pulp | 67.9% |
| Paper & paperboard | 4.4% | Paper & paperboard | | Paper & paperboard | | Paper & paperboard | |
| Panel products | 41.5% | Panel products | 24.0% | Panel products | 10.0% | Panel products | 9.3% |
| All other | 6.2% | All other | 2.2% | All other | 1.6% | All other | 6.7% |
| All Old ICI | 0.270 | MII UUIEI | Z.Z70 | All Ulliel | 1.070 | AII UIIIEI | 0.7 70 |

Note:

Values are NZ\$ f.o.b. and may include items (eg. some plywood items) for which no quantities are given.

Paper and paperboard includes newsprint. Newsprint data sourced by FOA for June 2010 year.

All other forestry products include chips, mouldings, manufactures of paper and paperboard, furniture and missellaneous forestry Other countries are all other countries to which New Zealand has exported forestry products during the year.

Source: Statistics New Zealand and FOA

| Korea, Republic of \$NZ400,476 | | Japan \$NZ433,970 | | USA \$NZ235,359 | | Other countries \$NZ224,136 | |
|-----------------------------------|-----|--|-------|--------------------|----------|--------------------------------|---|
| | .8% | Logs & poles | 15.5% | Logs & poles | _ | Logs & poles 3.1% |) |
| Sawn timber 4. | .6% | Sawn timber | 5.4% | Sawn timber | 65.6% | Sawn timber 32.6% |) |
| Wood pulp 18. | .8% | Wood pulp | 24.8% | Wood pulp | <u> </u> | Wood pulp 6.0% |) |
| Paper & paperboard 2. | .6% | Paper & paperboard | 0.0% | Paper & paperboard | 2.4% | Paper & paperboard 31.1% |) |
| | .9% | Panel products | 40.5% | Panel products | 7.5% | Panel products 5.8% | |
| | .3% | All other | 13.9% | All other | 24.5% | All other 21.4% | |
| | | | W. | | 1 | | |
| | | | | The same | | | |
| | | | | | 6 | | |
| | | | | | 1 | | |
| | | 7 | | - | | | |
| | | | | Me - | | | |
| | | | | | | | |
| | \ | | | | | | |
| | \ | | \ | | | | |
| | \ | | | | | | |
| ** | | <u>• </u> | | 1 | | | |
| Australia | | Philippines | | Hong Kong (SAR) | | Taiwan | |
| \$NZ908,597 | | \$NZ61,503 | | \$NZ34,826 | | \$NZ78,086 | |
| | .0% | Logs & poles | 0.1% | Logs & poles | _ | Logs & poles 10.9% | |
| | .0% | Sawn timber | 18.3% | Sawn timber | 12.3% | Sawn timber 28.7% | |
| | .7% | Wood pulp | 8.3% | Wood pulp | _ | Wood pulp 40.5% | |
| Paper & paperboard 34. | | Paper & paperboard | | Paper & paperboard | 84.4% | Paper & paperboard 11.5% | |
| | .1% | Panel products | 26.3% | Panel products | 1.2% | Panel products 7.6% | |

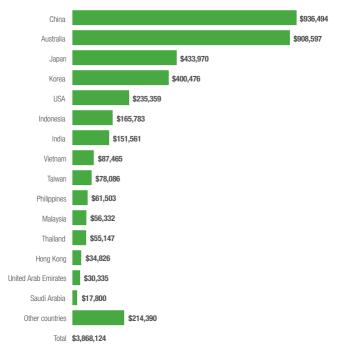
All other 30.7% All other 8.6% All other 2.1% All other 0.8%

products.

EXPORTS OF FORESTRY PRODUCTS FROM NEW ZEALAND

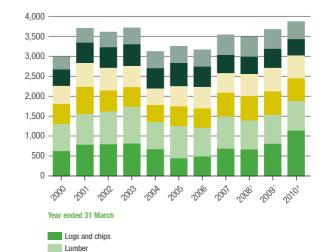
For the year ended 31 March 2010

Top export destinations



Source: Statistics New Zealand and FOA

MAJOR EXPORT EARNERS



Other products

Note: Excludes re-exports. Newsprint data for 12 months ending June 2010

r Revised

P Provisional

Wood pulp
Paper and paperboard
Panel products

Source: Statistics New Zealand and FOA



PRODUCTION AND EXPORTS OF SELECTED FORESTRY PRODUCTS

Year ended 31 March 2010

| Forestry Product | | | | 2007 | | |
|--|--------------------------|--|---------------|--------------------------------------|--------------------------|--|
| | Total pro- duction | Quantity ex- ported ³ | % Exported | Export value (\$NZm f.o.b.) | Total pro- duction | Quantity ex- ported ³ |
| Logs (000 m ³) | 19,915 | 5,973 | 29.99% | 634 | 20,536 | 6,199 |
| Wood chips(000 BDU) | | 267,836 | | 47 | | 366,832 |
| Sawn timber (000 m³) | 4,301 | 1,938 | 45.06% | 805 | 4,339 | 1,771 |
| Chemical pulp (tonnes) | 784,995 | 612,641 | 78.04% | 516 | 801,179 | 623,128 |
| Mechanical pulp (tonnes) | 743,996 | 197,789 | 26.58% | 79 | 745,288 | 243,102 |
| Newsprint (tonnes) | 292,015 | 139,020 | 47.61% | 151 | 258,654 | 188,053 |
| Other paper and paperboard (tonnes) | 579,931 | 378,530 | 65.27% | 342 | 585,429 | 374,770 |
| Fibreboard (m³) | 836,755 | 657,072 | 78.53% | 243 | 765,044 | 579,222 |
| Plywood (m³)² | 421,794 | 72,463 | 17.18% | 109 | 416,383 | 77,680 |
| Veneer (m³) | 688,312 | 154,740 | 22.48% | 48 | 512,575 | 134,820 |
| Particleboard (m³) | 256,239 | 110,197 | 43.01% | 51 | 245,309 | 118,341 |
| Cont shaped wood | | | | 123 | | |
| Manufactures | | | | 188 | | |
| Wooden furniture | | | | 55 | | |
| Miscellaneous and other wood products | | | | 150 | | |
| All forestry products | | | | 3,540 | | |
| Total New Zealand exports | | | | 33,479 | | |
| Forest exports as a % of total exports | | | | 10.57% | | |

Note:

Source: MAF, Statistics New Zealand and FOA

¹Newsprint export data for 12 months ending June 2010.

²Plywood includes laminated veneer lumber.

³Exports excludes re-exports.

r Revised

P Provisional

^{..} Not available

| | 2008 r | | | | 2009 r | | | | 2010 p |
|---------------|--------------------------------------|--------------------------|--|---------------|--------------------------------------|--------------------------|--|---------------|--------------------------------------|
| % Exported | Export value (\$NZm f.o.b.) | Total pro- duction | Quantity ex- ported ³ | % Exported | Export value (\$NZm f.o.b.) | Total pro- duction | Quantity Ex- ported ³ | % Exported | Export value (\$NZm f.o.b.) |
| 30.19% | 598 | 19,099 | 6,648 | 34.81% | 734 | 22,568 | 9,565 | 42.38% | 1,076 |
| | 62 | | 296,038 | | 70 | | 279,124 | | 58 |
| 40.82% | 727 | 3,593 | 1,739 | 48.40% | 726 | 3,814 | 1,917 | 50.26% | 739 |
| 77.78% | 514 | 753,062 | 583,383 | 77.47% | 490 | 784,235 | 621,900 | 79.30% | 465 |
| 32.62% | 97 | 724,880 | 233,162 | 32.17% | 96 | 715,106 | 228,074 | 31.89% | 105 |
| 72.70% | 202 | 291,279 | 181,865 | 62.44% | 202 | 287,387 | 203,326 ¹ | 70.75% | 235 |
| 64.02% | 350 | 578,746 | 372,937 | 64.44% | 387 | 606,733 | 367,029 | 60.49% | 340 |
| 75.71% | 229 | 644,654 | 500,992 | 77.71% | 246 | 657,732 | 521,030 | 79.22% | 216 |
| 18.66% | 112 | 365,664 | 82,183 | 22.48% | 113 | 274,717 | 62,760 | 22.85% | 109 |
| 26.30% | 43 | 487,788 | 146,334 | 30.00% | 50 | 488,943 | 120,897 | 24.73% | 38 |
| 48.24% | 53 | 217,770 | 133,483 | 61.30% | 68 | 143,396 | 72,199 | 50.35% | 44 |
| | 119 | | | | 96 | | | | 105 |
| | 213 | | | | 225 | | | | 227 |
| | 52 | | | | 42 | | | | 32 |
| | 126 | | | | 131 | | | | 83 |
| | 3,496 | | | | 3,676 | | | | 3,872 |
| | 36,645 | | | | 41,408 | | | | 37,838 |
| | 9.54% | | | | 8.88% | | | | 10.23% |



VALUE OF EXPORTS BY PRODUCT AND DESTINATION

Year ended 31 March 2010

| Country of destination | Logs & poles value (\$NZ000) | Lumber value (\$NZ000) |
|---|---------------------------------------|------------------------------|
| Australia | 75 | 163,077 |
| China, People's Republic of | 609,636 | 128,251 |
| Japan | 67,150 | 23,349 |
| Korea, Republic of | 279,594 | 18,466 |
| United States of America | - | 154,412 |
| Indonesia | 734 | 20,807 |
| Philippines | 40 | 11,252 |
| India | 93,686 | 6,027 |
| Taiwan | 8,519 | 22,382 |
| Vietnam | 2,092 | 60,530 |
| United Arab Emirates | 5,250 | 19,720 |
| Saudi Arabia | _ | 8,511 |
| Thailand | 1,729 | 18,297 |
| Malaysia | 433 | 6,173 |
| Hong Kong (Special Administrative Region) | _ | 4,280 |
| Fiji | 18 | 718 |
| Other countries | 6,994 | 72,436 |
| Total | 1,075,950 | 738,688 |

Note:

Values are \$NZ f.o.b. and may include items (e.g. some plywood items) for which no quantities are given. Newsprint data for 12 months ending June 2010.

All other forestry products include chips, mouldings, manufactures of paper and paperboard, furniture and miscellaneous forestry products.

Other countries are all other countries to which New Zealand has exported forestry products during the year.

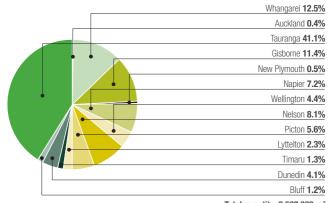
Source: Statistics New Zealand and FOA

| Wood pulp value (\$NZ000) | Paper & paperboard value (\$NZ000) | Panel products value (\$NZ000) | All other forestry products value (\$NZ000) | All forestry products value (\$NZ000) | % of Total |
|------------------------------------|---|---|--|--|------------|
| 78,711 | 314,734 | 73,304 | 278,696 | 908,597 | 23% |
| 102,247 | 41,509 | 34,626 | 20,225 | 936,494 | 24% |
| 107,645 | 2 | 175,579 | 60,245 | 433,970 | 11% |
| 75,158 | 10,459 | 15,601 | 1,198 | 400,476 | 10% |
| _ | 5,574 | 17,686 | 57,687 | 235,359 | 6% |
| 112,484 | 5,270 | 15,403 | 11,085 | 165,783 | 4% |
| 5,124 | 23,649 | 16,173 | 5,265 | 61,503 | 2% |
| 98 | 40,754 | 2,556 | 8,439 | 151,560 | 4% |
| 31,651 | 8,980 | 5,922 | 632 | 78,086 | 2% |
| 415 | 1,522 | 20,960 | 1,946 | 87,465 | 2% |
| _ | 574 | 1,648 | 3,143 | 30,335 | 1% |
| - | 791 | 7,394 | 1,104 | 17,800 | 0% |
| 22,166 | 5,473 | 1,605 | 5,877 | 55,147 | 1% |
| 20,676 | 22,482 | 5,653 | 915 | 56,332 | 1% |
| - | 29,379 | 427 | 740 | 34,826 | 1% |
| - | 11,687 | 791 | 5,901 | 19,115 | 0% |
| 13,429 | 51,179 | 12,246 | 41,992 | 198,276 | 5% |
| 569,804 | 574,018 | 407,574 | 505,090 | 3,871,124 | 100% |



LOG EXPORTS BY PORT

Year ended 31 March 2010

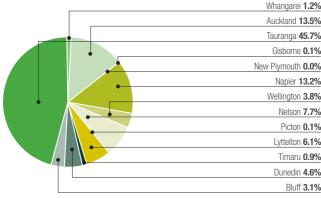


Total quantity: 9,567,382 m³

Source: Statistics New Zealand

SAWN TIMBER EXPORTS BY PORT

Year ended 31 March 2010



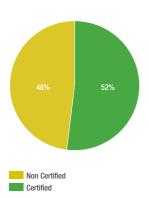
Total quantity: 1,915,852 m³

Source: Statistics New Zealand

PROPORTION OF NEW ZEALAND'S 1.75 MILLION HA PLANTATION CERTIFIED BY FSC

Area as at 1 July 2010

| | Productive area (ha) | Total certified area (ha) |
|---|----------------------|---------------------------|
| Hancock Forest Management (NZ) Ltd | 206,921 | 249,715 |
| Timberlands Ltd | 182,531 | 198,334 |
| Ernslaw One Ltd (North Island) | 72,059 | 104,727 |
| Nelson Forests Ltd | 63,040 | 77,930 |
| PF Olsen Ltd | 62,629 | 75,631 |
| Juken New Zealand Ltd | 62,331 | 75,751 |
| Rayonier NZ | 38,055 | 49,300 |
| Pan Pac Forest Products Ltd | 34,271 | 44,937 |
| NZ Forest Managers Ltd | 34,073 | 49,309 |
| Crown Forestry, MAF (West Coast) | 29,808 | 45,284 |
| Hikurangi Forest Farms Ltd | 29,005 | 35,005 |
| Wenita Forest Products Ltd | 25,070 | 29,203 |
| Blakely Pacific | 22,206 | 29,587 |
| Ernslaw One Ltd (South Island) | 22,127 | 28,634 |
| City Forests Ltd | 15,997 | 19,980 |
| Southland Plantation Forest Company of NZ | 10,130 | 13,703 |
| Total | 910,253 | 1,127,030 |
| Other | 19,695 | 19,695 |
| Total Plantation FSC | 929,948 | 1,146,725 |



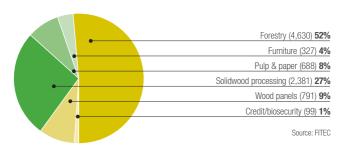
Note: Productive Area = Net Stocked Area + Area Awaiting Restocking.

Source: FSC/NZ FSC Certified Forest Owner/Manager Cluster Group

FOREST INDUSTRIES TRAINING STATISTICS

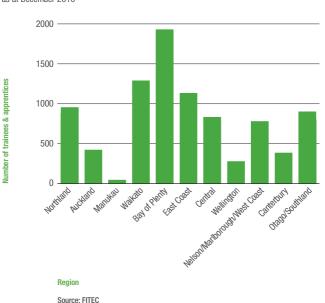
TRAINEES AND APPRENTICES BY SECTOR

as at December 2010



TRAINEES AND APPRENTICES BY REGION

as at December 2010



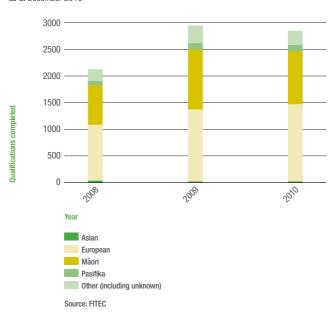
TRAINEES AND APPRENTICES BY ETHNICITY

as at December 2010



QUALIFICATIONS COMPLETED BY ETHNICITY

as at December 2010





MEMBERS OF THE NEW ZEALAND FOREST OWNERS ASSOCIATION ARE COMMITTED TO THE FOLLOWING AGREEMENTS:

New Zealand Forest Accord 1991

The New Zealand Forest Accord 1991 was updated in 2007 to reaffirm the principles of the 1991 Accord and respond to the threat of climate change. It is an agreement between conservation groups and most major plantation growers and users to:

- · Define areas unsuitable for forestry
- · Acknowledge that existing natural forest should be maintained
- · Recognise commercial forests as essential
- . Ensure any use of wood from indigenous forests is on a sustainable, value-added basis
- · Ensure new plantation forests will not disturb areas of natural indigenous vegetation

www.nzfoa.org.nz

New Zealand Climate Change Accord 2007

Acknowledging, inter alia:

- · The environmental benefits delivered by indigenous and plantation forests
- . That carbon sequestration by forests is a key mechanism to offset greenhouse gas emissions
- That policies must be consistent with the Polluter Pays Principle, be broad-based and cover
 all greenhouse gases in all sectors, should avoid net increases in greenhouse gases, should
 promote the retention and expansion of indigenous forests and the replanting and expansion
 of plantation forests; ensure all sectors are taking responsibility, be consistent with customary
 rights and the Treaty of Waitangi and acknowledge that wood is a renewable reusable and
 recyclable resource.

www.nzfoa.org.nz

Eliminating illegal forest products

On 14 August 2008 a statement was signed in which the signatories called on the New Zealand government, importers, processors, retailers, New Zealand forest and plantation managers and processors of forest and plantation products to support their call to strongly oppose the import and the use of illegally harvested and traded forest products in New Zealand. Trading in illegal products contributes to deforestation, biodiversity loss, poverty and other adverse social effects, and undermines the viability of legal forest products.

Prohibition of the import of these products will benefit New Zealand's legal forest products industries; assist in improving the producer countries' social, environmental, and economic well being; and show that New Zealand is responsibly addressing the problem. Illegal logging is not sustainable and thus eliminating illegal logging is an important step towards achieving sustainable forestry globally.

The organisations that signed the statement were: the Ecologic Foundation, Environment & Conservation Organisations of New Zealand (ECO), Greenpeace Aotearoa New Zealand, New Zealand Forest Owners Association, New Zealand Farm Forestry Association, New Zealand Pine Manufacturers Association, Royal Forest and Bird Protection Society, Sustainable Energy Forum, Wood Processors Association of New Zealand and WWF New Zealand.

www.nzfoa.org.nz

Log Transport Safety Accord

Log truck operators and forest owners on 7 August 2008 signed an updated Log Transport Safety Accord designed to further improve the safety of all road users. Since the accord was first signed in 2001 there has been a 65% reduction in log truck crashes, and a 75% reduction in rollover crashes, during a time of rapid growth in the logging industry. The Accord has been updated with the aim of reducing the rollover crash rate even further.

www.nzfoa.org.nz

Principles for Commercial Plantation Forest Management in New Zealand

To promote understanding between the signatory parties with a view to New Zealand achieving environmental excellence in plantation forest management and participating as an effective advocate internationally for the sustainable management of plantation forests and the protection, preservation, and sustainable management of natural forests. These principles are complementary to the New Zealand Forest Accord (August 1991).

www.nzfoa.org.nz



NZ WOOD: FORESTS AND WOOD FIGHT CLIMATE CHANGE

Wood is the world's most renewable raw material. For this reason forests and the wood they provide are vital in the fight against climate change. As the effects of global warming impact on our environment, the use of renewable and sustainable building materials has never been so important.

The stages of the wood story – planting and renewal, growth, harvesting and use – are part of a renewable cycle that takes and stores carbon dioxide from the atmosphere, making wood a better-than-carbon-neutral building material.

Wood is the only construction material which has absorbed ${\rm CO_2}$ from the atmosphere when produced, not emitted more

During its production, one tonne of:

- concrete has released 159 kilos of CO2 into the atmosphere
- steel has released 1.24 tonnes of CO2 into the atmosphere
- aluminium has released 9.3 tonnes of CO2 into the atmosphere
- wood, however, has absorbed a net 1.7 tonnes of CO₂ from the atmosphere, over and above the energy expended in growing, harvesting and processing.

The more timber you use in a house, the more CO, you remove from the atmosphere

- It takes around 20 trees to build an average house frame
- A steel house frame has added 4.5 tonnes of CO₂ to the atmosphere
- A wooden house frame has absorbed 9.5 tonnes of CO₂ from the atmosphere
- Choosing timber options for an average house can take around 20 tonnes net of CO₂
 out of the atmosphere (saving the equivalent of 150 trips Auckland to Wellington,
 or 7.1 years of car use)
- Using alternative materials (concrete, steel, brick and aluminium) can add 24 tonnes net CO₂ to the atmosphere (costing the equivalent of 180 trips Auckland to Wellington, or 8.6 years of car use)

Using wood is something we can all do to help the environment. By demanding and using more sustainably produced wood, we can ensure that more trees will be planted and more carbon dioxide will be absorbed from the atmosphere.

The result is a better world for ourselves, our families and future generations. It's simple.

Wood. Our most renewable raw material.

http://www.nzwood.co.nz



MAJOR NEW ZEALAND FORESTRY SPECIES

There are a range of New Zealand plantation-grown exotic and indigenous species to suit a variety of applications including structural, appearance, engineered wood products, furniture and joinery.

Radiata Pine

Radiata Pine has a number of structural uses including decking, fencing, exterior cladding, window sashes, pergolas, landscaping, shingles, barge boards and exterior trim. Untreated, it can be used for furniture, mouldings, trim and panelling. Panel products, such as plywood, MDF and laminated veneer lumber, are also available from Radiata Pine resources.

Douglas-fir

Douglas-fir can be used for roof trusses and framing, internal panelling, and glue-laminated beams. As well as being popular for light timber framing, the larger dimensional stock is sought after for exposed interior posts and beams because of its good stability and freedom from twist. Glue lamination to produce beams, arches and scaffold planks is also common.

Macrocarpa

Macrocarpa has a range of uses including ceiling sarking, exposed beams, flooring, wall panelling, framing, furniture, solid wood bench tops, architraves and skirtings. It can be used outside for weatherboard, soffit, facia, pergolas, decking and outdoor furniture. It is not recommended in-ground for construction purposes (including in-ground posts for fencing, decking and pergolas).

Eucalypts

Eucalypts have a number of applications. The Blue Gum group is suitable for tongue and groove flooring, in-sequence parquet, overlay, joinery stairs, doors, furniture, panelling, decking, outdoor furniture, and sliced veneer. The Stringybark group is suitable for flooring, joinery, decking, cross arms (mainly E. microcorys), and sliced veneer. The Ash group is suitable for furniture, joinery, and sliced veneer.

Source: http://www.nzwood.co.nz/species/



NEW ZEALAND FOREST OWNERS ASSOCIATION STRATEGIC PLAN

Vision

New Zealand planted forests are a major part of the New Zealand economy, providing a range of sustainably managed products, and acknowledged as an integral part of the country's regional development. They are also recognised as a major component in New Zealand's contribution to meeting the effects of climate change and addressing a range of other environmental challenges.

Against this background, the New Zealand Forest Owners Association is the recognised and respected body of the commercial forest growing industry.

Mission

The mission statement of New Zealand Forest Owners Association (FOA) is:

"To actively promote sustainable commercial forestry in New Zealand with a view to creating a favourable economic, political and social climate for the profitable operation of members' businesses."

Objectives

Objective 1 - Services

Provide specific services to members which protect or add value to their businesses.

Objective 2 - Promotion

Promote forestry as an important part of New Zealand's national and regional economies as well as an important contributor to environmental sustainability and climate change outcomes.

Objective 3 - Advocacy

Advocate central and local government policies and third party policies which facilitate the economic performance of plantation forestry and secure the asset.

Objective 4 - Collaboration

Encourage better outcomes for forest growing through industry collaboration to provide enhanced productivity and production and/or reduced operating costs.

FOA represents the owners of New Zealand's commercial plantation forests. The association and its members are committed to the highest standards of sustainable silviculture, environmental practice and workforce safety. Plantation forestry is science-based and highly innovative. It is New Zealand's third largest export industry and a major regional employer. It is the industry with the greatest potential to transform New Zealand into a carbon-neutral economy where all land-based industries are environmentally sustainable. Its members' forests comprise more than 75 percent of the country's 1.74 million hectares of plantation forestry.

TERMS AND THINGS

Area and volume

- A hectare (ha) = 100 x 100 metres (about the size of two rugby fields).
- A cubic metre (m³) = 1 metre x 1 metre x 1 metre (about three times the size of a household dishwasher).
- An average radiata pine tree yields 2.4 m3 of wood at harvest.
- 1 hectare of 28 year-old radiata pine contains between 650 and 800 m³ of wood.
- 1 hectare grows up to 28 m³ of wood each year.
- NZ Radiata Pine plantations yield up to 30% more wood per hectare than they did 60 years ago.
- · A log truck and trailer contains approximately 30 tonnes of logs.
- · A log ship contains approximately 30-35,000 tonnes of logs.

Costs and values

- It costs 18 24 cents to truck one m3 of wood one km (for 100 km that is \$18 \$24 per m3).
- Harvesting costs begin around \$15 \$24 per m³ increasing with steeper terrain, environmental sensitivities, smaller trees etc.
- Depending on market conditions, the average Radiata Pine tree when harvested is worth \$50 - \$200 to the grower.
- The Value of wood being grown (added) each year in one hectare of forest is between \$500 and \$1,500.
- High quality pruned stands, well located to the market can sell for as much as \$50,000 per hectare net to the owner, while unpruned stands may net less than \$10,000 – particularly if logging and cartage costs are higher.

Note: Prices are indicative only.





CARBON EMISSIONS AND SEQUESTRATION

The carbon cycle

Planting trees begins a cycle that continuously removes, releases and reabsorbs destructive greenhouse gases such as carbon dioxide. As trees grow, they absorb carbon dioxide through the process of photosynthesis.

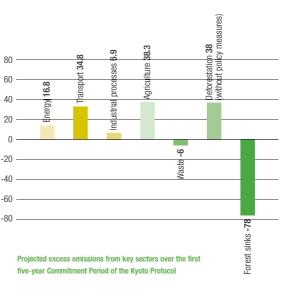
The carbon dioxide absorbed by the growing forest remains stored within the wood products used throughout the lifetime of the building structure or product.

At the end of a structure's or product's lifetime, the carbon dioxide is released back into the atmosphere when the wood decays or is burnt as fuel.

Wood can be recycled to extend its lifetime and slow down the natural release of carbon dioxide back into the atmosphere. Once the carbon dioxide is released, it is available to be re-absorbed by growing trees.

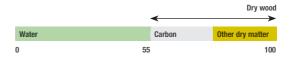
When wood materials decay or are burnt as fuel they release carbon dioxide that was absorbed during the growth of the trees and are therefore carbon neutral.

CARBON EMISSIONS BY KEY SECTORS AND FOREST SEQUESTRATION

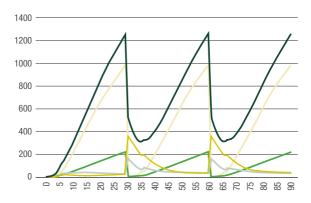


Source: Ministry for the Environment/FOA

- In 2005, forests removed 25.5 m tonnes of CO_a from the atmosphere.
- 1 hectare sequests approximately 25 tonnes of CO₂ per year.
- A fresh log contains about 55% water; approximately 50% of the balance is carbon.



CARBON YIELD: MULTIPLE ROTATIONS



Stand age (years)

____ Total

Above ground live biomass

Below ground live biomass
 Dead woody litter

____ Fine litter

Growth Modelling region: Waikato Taupo, Latitude 37.8, Altitude 495 m 300Index 29.0 m³/ha/year, Site index 34.8 m

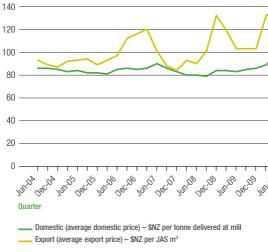
This is the classic sawtooth carbon sequestration graph for a plantation stand. It shows the sequestration and loss of carbon in the system over time. It records the gradual sequestration of carbon in the different layers (leaves, roots and litter) and the assumed release when the crop is harvested. Note the difference in release at harvesting time for the different layers, with a level of carbon being retained as sequestered, despite the crop being harvested.

The graph is for an unpruned stand, harvested age 30, waste thinned at age 6 to 450 spha.

The choice of harvest age is dependent upon the crop owner's principal stand objective (timber, carbon, etc).

Graph shows CO₂ equivalent (CO₂ tonnes = 44/12xCarbon tonnes).

EXPORT AND DOMESTIC LOG PRICING



Source: MAF

All grades average per quarter - NZ\$



LOG PRICING DATA

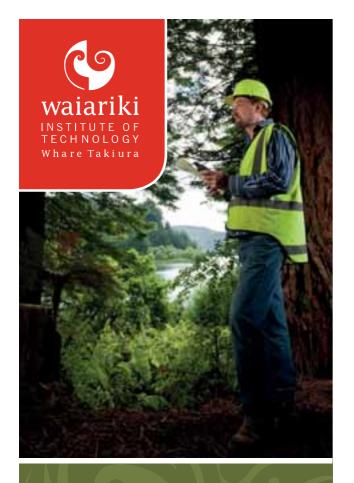
| Log type, pricing point and market | Jun-05 | Sep-05 | Dec-05 | Mar-06 |
|---|---------|---------|---------|---------|
| | Quarter | Quarter | Quarter | Quarter |
| Export (\$NZ per JAS m³ f.o.b) | | | | |
| Pruned – Japan, Korea | 133-227 | 145-236 | 139-149 | 128-200 |
| A Grade – Japan | 85-95r | 82-93 | 88-93 | 70-99 |
| J Grade – Japan | 72-80r | 53-77 | 72-81 | 76-87 |
| K Grade – Korea | 48-86 | 58-90 | 78-82 | 65-86 |
| Pulp | 45-62r | 48-56 | 50-57 | 48-64 |
| All grades average per quarter | 93 | 94 | 89 | 93 |
| Domestic (\$NZ per tonne delivered at mill) | | | | |
| P1 | 135-147 | 139-143 | 130-137 | 123-140 |
| P2 | 99-142r | 98-108 | 94-128 | 90-129 |
| S1 | 78-92 | 77-93 | 80-93 | 80-92 |
| S2 | 60-90 | 74-88 | 73-88 | 63-89 |
| L1 and L2 | 51-65 | 51-65 | 50-69 | 51-67 |
| S3 and L3 | 51-76 | 51-77 | 50-74 | 48-73 |
| Run of bush | | | | |
| Pulp | 35-49 | 37- 49 | 38-50 | 38-51 |
| All grades average per quarter | 84 | 82 | 82 | 81 |

^{*} Limited response – very small volume traded

Source: MAF

^{..} Data not available

| Sep-06 | Dec-06 | Mar-07 | Jun-07 | Sep-07 | Dec-07 | Mar-08 | Jun-08 | Sep-08 | Dec-08 | Mar-09 | Jun-09 | Sep-09 | Dec-09 | Mar-10 | Jun-10 |
|---------|---|--|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Quarter | Quarter | Quarter | Quarter | Quarter | Quarter | Quarter | Quarter | Quarter | Quarter | Quarter | Quarter | Quarter | Quarter | Quarter | Quarter |
| | | | | | | | | | | | | | | | |
| 173-178 | 153-232 | 144-230 | 112-133 | 101-114 | 101-114 | 121-165 | 121-165 | 122-175 | 198-216 | 169-206 | 126-158 | 125-175 | 110-172 | 149-189 | 153-187 |
| 104-119 | 106-111 | 114-122 | 96-120 | 93-109 | 93-109 | 92-96 | 93-98 | 88-103 | 121-133 | 95-131 | 95-106 | 91-104 | 82-103 | 105-158 | 107-144 |
| 98-102 | 98-102 | 114-120 | 107-118 | 90-106 | 90-106 | 80-85 | 70-84 | 90 | 112 | 116 | 85 | 87 | 74 | 79 | * |
| 87-111 | 93-110 | 107-111 | 90-108 | 72-88 | 72-88 | 76-82 | 70-87 | 80-93 | 106-116 | 86-116 | 85-102 | 81-99 | 74-110 | 91-137 | 94-140 |
| 65-84 | 73-84 | 59-78 | 57-70 | 45-62 | 45-62 | 45-62 | 58-62 | 68-76 | 75-93 | 56-94 | 65-86 | 69-77 | 65-92 | 171-116 | 76-127 |
| 112 | 116 | 120 | 101 | 88 | 84 | 93 | 90 | 101 | 132 | 119 | 103 | 103 | 103 | 132 | 137 |
| | | | | | | | | | | | | | | | |
| 133-147 | 128-147 | 130-137 | 123-141 | 123-141 | 123 -141 | 118-141 | 118-132 | 120-130 | 116-126 | 116-128 | 116-135 | 120-139 | 121-143 | 125-145 | 125-161 |
| 99-130 | 93-115 | 93-107 | 98-111 | 92-111 | 97-111 | 92-107 | 92-105 | 93-105 | 89-109 | 95-107 | 93-107 | 93-111 | 94-114 | 98-117 | 103-131 |
| 82-93 | 82-86 | 86-88 | 91-98 | 85-85 | 67-87 | 82-87 | 81-87 | 80-87 | 89-96 | 85-97 | 84-90 | 84-92 | 93-97 | 88-97 | 88-102 |
| 75-93 | 82-90 | 63-93 | 90-94 | 85-94 | 82-89 | 57-88 | 61-85 | 57-85 | 78-89 | 75-88 | 77-87 | 80-85 | 82-87 | 82-91 | 83-103 |
| 58-77 | 58-87 | 63-76 | 73-96 | 59-80 | 60-79 | 57-70 | 57-76 | 60-69 | 69-75 | 70-76 | 68- 72 | 65-76 | 68-83 | 67-85 | 72-109 |
| 53-73 | 58-73 | 63-76 | 68-82 | 64-76 | 56-71 | 57-69 | 61-65 | 57-65 | 63-67 | 64-69 | 64-67 | 64-75 | 67-74 | 67-77 | 68-84 |
| | | | | | | | | | | | | | | | |
| 39-51 | 40-52 | 41-56 | 40-55 | 41-53 | 41-52 | 40-51 | 40-55 | 39-56 | 41-62 | 40-64 | 40-62 | 40-59 | 40-55 | 43-57 | 44-57 |
| 86 | 85 | 86 | 90 | 86 | 83 | 80 | 80 | 79 | 84 | 84 | 83 | 85 | 86 | 89 | 97 |
| 1 1 | Quarter 73-178 04-119 98-102 87-111 65-84 112 133-147 99-130 82-93 75-93 58-77 53-73 39-51 | Quarter Quarter 173-178 153-232 04-119 106-111 98-102 98-102 87-111 93-110 65-84 73-84 112 116 133-147 128-147 99-130 93-115 82-93 82-86 75-93 82-90 58-77 58-87 53-73 58-73 39-51 40-52 | Quarter Quarter Quarter 173-178 153-232 144-230 104-119 106-111 114-122 98-102 98-102 114-120 87-111 93-110 107-111 65-84 73-84 59-78 112 116 120 133-147 128-147 130-137 99-130 93-115 93-107 82-93 82-86 86-88 75-93 82-90 63-93 58-77 58-87 63-76 53-73 58-73 63-76 39-51 40-52 41-56 | Quarter Quarter Quarter Quarter 1/3-178 153-232 144-230 112-133 104-119 106-111 114-122 96-120 98-102 98-102 114-120 107-118 87-111 93-110 107-111 90-108 65-84 73-84 59-78 57-70 112 116 120 101 133-147 128-147 130-137 123-141 99-130 93-115 93-107 98-111 82-93 82-86 86-88 91-98 75-93 82-90 63-93 90-94 58-77 58-87 63-76 73-96 53-73 58-73 63-76 68-82 39-51 40-52 41-56 40-55 | Quarter Quarter Quarter Quarter Quarter 173-178 153-232 144-230 112-133 101-114 104-119 106-111 114-122 96-120 93-109 98-102 98-102 114-120 107-118 90-106 87-111 93-110 107-111 90-108 72-88 65-84 73-84 59-78 57-70 45-62 112 116 120 101 88 33-147 128-147 130-137 123-141 123-141 99-130 93-115 93-107 98-111 92-111 82-93 82-86 86-88 91-98 85-85 75-93 82-90 63-93 90-94 85-94 58-77 58-87 63-76 73-96 59-80 53-73 58-73 63-76 68-82 64-76 39-51 40-52 41-56 40-55 41-53 | Quarter Quarter <t< th=""><th>Quarter Quarter <t< th=""><th>Quarter Quarter <t< th=""><th>Quarter Quarter <t< th=""><th>Quarter Quarter <t< th=""><th>Quarter Quarter <t< th=""><th>Quarter Quarter <t< th=""><th>Quarter Quarter <t< th=""><th>Quarter Quarter <t< th=""><th>Quarter Quarter <t< th=""></t<></th></t<></th></t<></th></t<></th></t<></th></t<></th></t<></th></t<></th></t<></th></t<> | Quarter Quarter <t< th=""><th>Quarter Quarter <t< th=""><th>Quarter Quarter <t< th=""><th>Quarter Quarter <t< th=""><th>Quarter Quarter <t< th=""><th>Quarter Quarter <t< th=""><th>Quarter Quarter <t< th=""><th>Quarter Quarter <t< th=""><th>Quarter Quarter <t< th=""></t<></th></t<></th></t<></th></t<></th></t<></th></t<></th></t<></th></t<></th></t<> | Quarter Quarter <t< th=""><th>Quarter Quarter <t< th=""><th>Quarter Quarter <t< th=""><th>Quarter Quarter <t< th=""><th>Quarter Quarter <t< th=""><th>Quarter Quarter <t< th=""><th>Quarter Quarter <t< th=""><th>Quarter Quarter <t< th=""></t<></th></t<></th></t<></th></t<></th></t<></th></t<></th></t<></th></t<> | Quarter Quarter <t< th=""><th>Quarter Quarter <t< th=""><th>Quarter Quarter <t< th=""><th>Quarter Quarter <t< th=""><th>Quarter Quarter <t< th=""><th>Quarter Quarter <t< th=""><th>Quarter Quarter <t< th=""></t<></th></t<></th></t<></th></t<></th></t<></th></t<></th></t<> | Quarter Quarter <t< th=""><th>Quarter Quarter <t< th=""><th>Quarter Quarter <t< th=""><th>Quarter Quarter <t< th=""><th>Quarter Quarter <t< th=""><th>Quarter Quarter <t< th=""></t<></th></t<></th></t<></th></t<></th></t<></th></t<> | Quarter Quarter <t< th=""><th>Quarter Quarter <t< th=""><th>Quarter Quarter <t< th=""><th>Quarter Quarter <t< th=""><th>Quarter Quarter <t< th=""></t<></th></t<></th></t<></th></t<></th></t<> | Quarter Quarter <t< th=""><th>Quarter Quarter <t< th=""><th>Quarter Quarter <t< th=""><th>Quarter Quarter <t< th=""></t<></th></t<></th></t<></th></t<> | Quarter Quarter <t< th=""><th>Quarter Quarter <t< th=""><th>Quarter Quarter <t< th=""></t<></th></t<></th></t<> | Quarter Quarter <t< th=""><th>Quarter Quarter <t< th=""></t<></th></t<> | Quarter Quarter <t< th=""></t<> |



SCHOOL OF FORESTRY AND PRIMARY INDUSTRIES

0800 924 274 forestryschool.ac.nz

