





MINISTRY OF AGRICULTURE AND FORESTRY >>> 2011

NATIONAL EXOTIC FOREST DESCRIPTION

AS AT 1 APRIL 2011



Ministry of Agriculture and Forestry Te Manatū Ahuwhenua, Ngāherehere

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ENQUIRIES

Further copies can be obtained from www.maf.govt.nz. For more information see page 66 for contacts.

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INTRODUCTION

This is the 28th edition of the *National Exotic Forest Description* (NEFD). The report provides a detailed description of New Zealand's planted production forests as at 1 April 2011. It represents the net stocked area of the planted production forest estate; that is, all exotic forests planted with the primary intention of producing wood or wood fibre.

New Zealand's planted production forest description is published annually to assist with resource policy planning and development. It provides data for government policy advice, to meet a range of international reporting obligations and to assist with infrastructure planning decisions. The information is also a useful starting point for investigating wood processing opportunities in New Zealand.

The report provides:

- an overview of New Zealand's planted production forests;
- a description of survey methods, sources of information and details on the reliability of the data;
- statistical tables that describe New Zealand's planted production forest area in detail;
- forest activity data such as planting and harvesting statistics.

Much of the report's content consists of detailed tables that show the planted production forest area by age class and territorial authority. This information is provided for key species. For radiata pine, the area by age class tables are also provided by silviculture regime. Collecting and publishing NEFD information is overseen by the NEFD Steering Committee – a forest industry committee with members nominated by the New Zealand Forest Owners Association and the Ministry of Agriculture and Forestry (see Appendix 4, page 63).

Each year the NEFD area dataset is compiled from a survey of forest owners and consultants who own or manage planted production forests. The yield tables are produced periodically based on data provided by forest owners and managers of larger forests.

An electronic copy of this report is available on the Ministry of Agriculture and Forestry's website (www.maf.govt.nz). The tables from this report can be downloaded as Microsoft Excel files.

Please note this is a technical report aimed at those who have a working knowledge of New Zealand's planted production forests and who work in forestry-related industries, government agencies and research institutes in New Zealand. For further clarification of the content of this report, please email stats_info@maf.govt.nz.

OVERVIEW

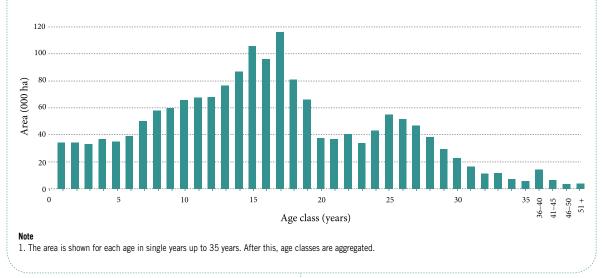
New Zealand's net stocked planted production forests covered an estimated 1.72 million hectares as at 1 April 2011.

The total planted forest standing volume is estimated to be 480 million cubic metres with an average forest stand age (area weighted) of 16.3 years.

Table 2.1 (page 3) provides key national forestry statistics as at 1 April 2011 and compares these with statistics for 2010.

The net stocked area is 18 600 hectares lower than as at 1 April 2010. Over half of this difference can be attributed to harvested areas handed back to land owners. These areas awaited either restocking or a land use decision on 1 April 2011. The remainder of the reduction in net stocked area is a result of re-mapping of forest areas while a small area was recorded as deforested. Of the total forest area, 70 percent is in the North Island and 30 percent is in the South Island. The Central North Island wood supply region makes up 30 percent of the entire planted production forest estate. See figures 8.1 and 8.2 (pages 18–19) in this report for the location of New Zealand's planted forests as identified in the New Zealand Land Use Map 1990-2008 (LUM v003).

Figure 2.1 shows the age structure of the New Zealand planted forest estate. Very little of the forest area is planted in trees older than 32 years, a reflection of the rotation age of the dominant species, radiata pine. Radiata pine is typically harvested between 26 and 32 years old. The figure shows that the areas of forest planted in the mid-1980s have now reached harvest age. Also, the large areas of forest planted between 1992 and 1998, now 13 to 19 years old, are very apparent. These areas are expected to begin reaching harvest age from around 2018.



>>> FIGURE 2.1: TOTAL ESTIMATED PLANTED PRODUCTION FOREST AREA BY AGE CLASS, AS AT 1 APRIL 2011¹

>>> TABLE 2.1: NATIONAL EXOTIC FOREST ESTATE STATISTICS

| AREA AND STANDING VOLUME STATISTICS | AS AT 1 APRIL 2010 ¹ | AS AT 1 APRIL 2011 |
|--|---------------------------------|--------------------|
| FOREST AREA | | |
| Net stocked area (ha) | 1 738 000 | 1 719 400 |
| Harvested area awaiting replanting (ha) ² | 55 300 | 54 300 |
| Total forest area | 1 793 300 | 1 773 700 |

Note: The decrease of total forest area between 1 April 2010 and 1 April 2011 should not be taken as a measure of deforestation.

| GROWTH CHARACTERISTICS | | |
|--|-----------|-----------|
| Standing volume (000 m ³) | 467 063 | 479 709 |
| Average standing volume (m ³ /ha) | 269 | 279 |
| Area-weighted average age (years) | 15.9 | 16.3 |
| AREA BY SPECIES ³ | | |
| Radiata pine (ha) | 1 556 000 | 1 545 000 |
| Douglas-fir (ha) | 110 000 | 107 000 |
| Cypress species (ha) | 10 000 | 10 000 |
| Other softwoods (ha) | 25 000 | 24 000 |
| Eucalypt species (ha) | 24 000 | 22 000 |
| Other hardwoods (ha) | 13 000 | 13 000 |
| RADIATA PINE AREA BY TENDING REGIME | | |
| Pruned with production thinning (ha) | 217 000 | 210 000 |
| Pruned without production thinning (ha) | 708 000 | 700 000 |
| Unpruned with production thinning (ha) | 37 000 | 35 000 |
| Unpruned without production thinning (ha) | 593 000 | 599 000 |

| PLANTING STATISTICS | YEAR ENDED 31 DECEMBER 2009 | YEAR ENDED 31 DECEMBER 2010 |
|--|--------------------------------|--------------------------------|
| NEW PLANTING ⁴ | | |
| Total estimated new planting (ha) ⁵ | 4 300 | 6 000 |
| Replanting (ha) | 32 500 | 35 2006 |

| HARVESTING STATISTICS ⁷ | YEAR ENDED 31 MARCH 2010 | YEAR ENDED 31 MARCH 2011 |
|---|-----------------------------|-----------------------------|
| Area clear felled – all species (ha) | 43 500 | 43 300 ⁶ |
| | | |
| Area clear felled – radiata pine (ha) | 39 200 | 39 800 ⁶ |
| | | |
| Volume clear felled – all species (000 m ³) | 20 588 | 21 7256 |
| Volume production thinned – all species (000 m ³) | 146 | 2016 |
| Total volume removed – all species (000 m ³) ⁸ | 20 734 | 21 926 ⁶ |
| Average clear fell yield – all species (m³/ha) | 473 | 505 ⁶ |
| | 40.400 | a a 10 a (|
| Volume clear felled – radiata pine (000 m³) | 19 192 | 20 493 ⁶ |
| Average clear fell yield – radiata pine (m³/ha) | 489 | 5156 |
| Area-weighted average clear fell age for radiata pine (years) | 28.4 | 28.6 |

Notes

1. Source: National Exotic Forest Description as at 1 April 2010, Ministry of Agriculture and Forestry, 2011.

2. In this report, the area of harvested land that was recorded as awaiting a land use decision has been reported in the area awaiting replanting.

3. Individual entries may not add to totals due to rounding.

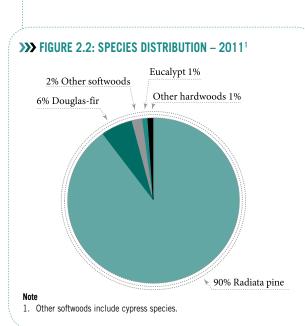
4. The forestry statistics released in this report, and in particular, new planting estimates, may differ from those produced in the Agricultural Production Survey by Statistics New Zealand. These surveys use different survey frames and designs.

5. The method used to estimate new planting is described on page 7 of this report.

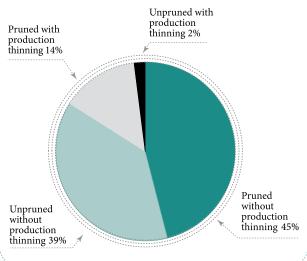
6. The 2011 survey only sought data from owners with 1000 hectares of forest or more. These estimates have been rated up based on the 2010 NEFD survey results for owners with less than 1000 hectares of forest.

7. All volumes are reported as recovered volumes inside bark.

8. These estimates are based on data collected in the 2010 and 2011 NEFD surveys and may differ from the roundwood removals estimate as published in the Annual log and roundwood removal statistics, Ministry of Agriculture and Forestry. This is due to the estimate from that source being an indirect estimate that uses conversion factors for each forestry product to estimate the total roundwood input that would be required to produce total forest product outputs.







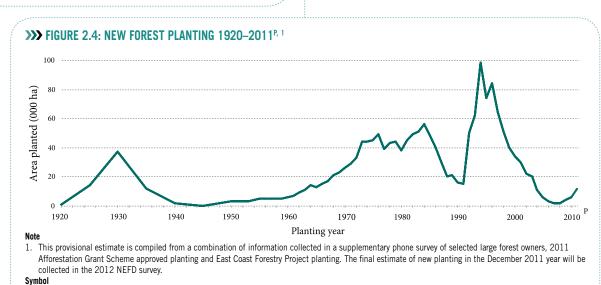
Provisional.

SPECIES AND SILVICULTURE

As seen in Figure 2.2, radiata pine is the dominant species, making up 90 percent of the planted production forest area. Douglas-fir is the next most common species, making up 6 percent. The remainder of the area is planted in cypress species, eucalypt species, other softwood species and other hardwood species.

Figure 2.3 indicates that about 59 percent (910 000 hectares) of the radiata pine planted forest estate is, or is expected to be, pruned to a height of at least four metres. Approximately 16 percent (146 000 hectares) of pruned radiata pine is older than 25 years, while 15 percent (142 000 hectares) of pruned radiata pine is between 21 and 25 years old. About 69 percent (622 000 hectares) of the pruned radiata pine is 20 years old or under.

The area of production thinned forest has declined. Approximately 16 percent of the radiata pine planted forest currently is, or is expected to be, production thinned. In 1995, 28 percent of the radiata pine forests was, or was intended to be, production thinned. In the



Central North Island region production thinning of the radiata pine resource has decreased from 50 percent in 1995 to 24 percent in 2011.

Information collected in the 2011 survey indicates that 56 percent of the forest resource is first-rotation forest, 40 percent is second or subsequent rotation, while information is incomplete for 4 percent of the estate. Of the identified first-rotation forest, 36 percent is aged 15 years or under.

PLANTING

An estimated 6000 hectares of new forest were established in 2010. It is also provisionally estimated that 12 000 hectares of new forest were established during 2011. The increase between 2010 and 2011 is largely attributable to the Emissions Trading Scheme and an encouraging outlook for wood demand, particularly from Asia.

Figure 2.4 shows new forest planting levels since 1920. The average new planting rate over the last 30 years has been 34 000 hectares per year. In the period 1992 to 1998, new planting rates were high – averaging 69 000 hectares per year. Between 1998 and 2009 new planting declined to very low levels. However, since 2009, new planting rates have recorded small annual increases.

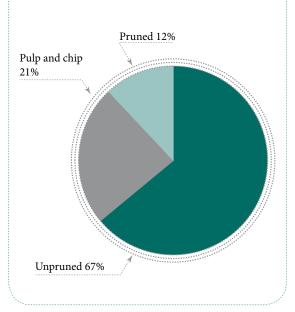
HARVESTING

An estimated harvesting volume of

21.7 million cubic metres¹ for the year ended March 2011 came from clear felling 43 300 hectares of planted forest, and 0.2 million cubic metres from production thinning.

Of the radiata pine harvest, approximately 12 percent of the volume was sold as pruned logs, 67 percent as unpruned logs and 21 percent as pulp and chip logs. An estimated 35 200 hectares of previously clear felled planted forest were replanted in year ended December 2010.

These estimates are based on data collected in the 2011 NEFD survey and may differ from the roundwood removals estimate as published in the *Annual log and roundwood removal statistics*, Ministry of Agriculture and Forestry. This is due to the estimate from that source being an indirect estimate that uses conversion factors for each forestry product to estimate the total roundwood input that would be required to produce total forest product outputs.



>>> FIGURE 2.5: RADIATA PINE HARVEST VOLUME BY LOG TYPE, YEAR ENDED 31 MARCH 2011

DATA COLLECTION AND ESTIMATION

In 2011, NEFD questionnaires were sent to all known forest owners and managers with at least 1000 hectares of planted production forest. The questionnaire used is shown in Appendix 2. Approximately 119 questionnaires were mailed out. A response rate of 100 percent was achieved.

For those owners with less than 1000 hectares of forest, information supplied in the 2010 survey was re-used in the 2011 dataset if it was available. This means that any area that has been harvested since an owner last supplied data will not be captured and recorded, possibly leading to a small overstatement of area in the older age classes. Conversely, any areas replanted after harvesting since their last survey return will be understated in the 2011 NEFD dataset.

In addition to the data collected in the NEFD surveys, the results from the 2004 AgriQuality (now AsureQuality) Small Forest Grower Surveys continue to be used in the 2011 NEFD dataset. Details on the methods used by AgriQuality are available in the *Small Forest Grower Survey Report* (AgriQuality NZ, 2005).

The forestry figures released in the *National Exotic Forest Description*, and in particular, new planting estimates, differ from those produced from the Agricultural Production Survey collected by Statistics New Zealand.

| CALENDAR YEAR OF Planting | TOTAL NEW PLANTING ¹ (HA) | NEW PLANTING Collected in Postal Surveys ² (HA) | NEW PLANTING Adjustments ³ (HA) |
|------------------------------|--|---|--|
| 1992 | 50 200 | 30 900 | 19 300 |
| 1993 | 61 600 | 40 400 | 21 200 |
| 1994 | 98 200 | 68 400 | 29 800 |
| 1995 | 73 900 | 56 200 | 17 700 |
| 1996 | 83 600 | 64 600 | 19 000 |
| 1997 | 63 700 | 45 600 | 18 100 |
| 1998 | 51 200 | 36 300 | 14 900 |
| 1999 | 40 000 | 23 700 | 16 300 |
| 2000 | 33 600 | 24 700 | 8 900 |
| 2001 | 30 100 | 17 100 | 13 000 |
| 2002 | 22 100 | 14 300 | 7 800 |
| 2003 | 19 900 | 11 800 | 8 100 |
| 2004 | 10 600 | 6 200 | 4 400 |
| 2005 | 6 000 | 2 900 | 3 100 |
| 2006 | 2 600 | 1 500 | 1 100 |
| 2007 | 2 400 | 2 400 | - |
| 2008 | 1 900 | 1 900 | - |
| 2009 | 4 300 | 4 300 | - |
| 2010 | 6 000 | 6 000 | - |

>>>> TABLE 3.1: COMPARISON OF TOTAL NEW PLANTING WITH NEW PLANTING COLLECTED IN POSTAL SURVEYS

Notes

1. As estimated from the planting and nursery surveys undertaken by the Ministry of Agriculture and Forestry.

2. The area of new planting as collected in postal surveys. This does not include the area of restocking.

3. The difference between total new planting and new planting collected in postal surveys.

These surveys use different survey frames and survey designs and have different survey objectives. The target population for the 2011 NEFD survey was all known forest owners and managers with at least 1000 hectares of planted production forest. The target population for the 2011 Agricultural Production Survey was all businesses engaged in "agricultural production activity" (including livestock, cropping, horticulture, and forestry) or owned land that was intended for agricultural activity. Detailed information on the population frame for the 2011 Agricultural Production Survey is available on the Statistics New Zealand website².

The forest areas released in the National Exotic Forest Description may also differ from those produced in the New Zealand Land Use Map 1990-2008 (LUM v003). The NEFD reports net stocked area of planted production forest while the New Zealand Land Use Map reports gross forest area including areas that are not intended for timber production.

NEW PLANTING IMPUTATION

For the calendar years 1992 to 2006 additional new planting areas not directly captured in the NEFD surveys were estimated (imputed) based on the annual nursery survey. The methodology used to estimate this "missing" new planting is described in Appendix 3. No additional new planting has been added since the 2006 calendar year because of the low levels of new forest planting that have taken place in these years. Table 3.1 shows the comparisons of the new planting figures collected in the postal surveys to the total new planting figures.



2 http://www.stats.govt.nz/browse_for_stats/industry_sectors/agriculturehorticulture-forestry/agriculturalproduction_hotpjun10prov.aspx

DATA DESCRIPTION

AREA DATA

The base unit for collecting and recording area data is the crop type. Up to ten crop types are recognised for each territorial authority, made up of four tending regimes for radiata pine, two tending regimes for Douglas-fir, and one each for cypress species, eucalypt species, other softwoods and other hardwoods. For definitions of crop type and tending regime, see Appendix 1.

The area data in the NEFD dataset is organised as a net stocked area for each age by crop type, and is labelled with a crop type code and a yield table code.

The area data is rounded to the nearest hectare and is recorded for ages one to 80 years.

The crop type code defines the territorial authority, the species group and the tending regime. The crop type is referenced to a specific table in the yield table data through the yield table code. This cross-reference is used to prepare composite datasets to calculate estimates of standing volumes and for providing input data for national and regional wood availability forecasts.

YIELD TABLES

The yield tables contain yield aggregates of the same species group and tending regime which are located in the same wood supply region. The yield tables contain the total standing volume, total recoverable volume and three log type volumes (pruned logs, unpruned logs and pulp logs), together with any thinning volume, by annual age class. Each yield table is labelled with a code that defines the wood supply region, species group and tending regime.

PLANTING AND HARVESTING DATA

Data has been collected on the area of restocking, new planting and land cover before the establishment of forests. In addition, the NEFD survey collects data on harvesting, which includes the area clear felled, the volume clear felled and the volume from production thinning for each year ended 31 March (see Table 2.1). The survey also collects data on the volume of clear felled radiata pine by generalised log types (pruned logs, unpruned logs and pulp/chip logs).

OTHER ATTRIBUTES

The NEFD dataset includes information on forest ownership, classified as:

- registered public company;
- · privately owned;
- state-owned enterprise;
- local government body;
- central government;
- other forms of ownership.

Each year, the NEFD Steering Committee considers the inclusion of any other relevant attributes before requesting data from forest owners.

NEW ZEALAND LAND USE MAP

The location of New Zealand's planted forests as identified in New Zealand Land Use Map 1990-2008 (LUM v003) is shown in Figures 8.1 and 8.2 in this report. Land Use Mapping is based on interpretation of satellite imagery and aerial photography. Further details about the New Zealand Land Use Map 1990-2008 (LUM v003) are available on the Ministry for the Environment website³.

The Ministry for the Environment manages the New Zealand Land Use Map 1990-2008 (LUM v003).

RELIABILITY OF DATA

There are different levels of reliability associated with the net stocked area from each component of New Zealand's forest estate.

RELIABILITY OF DATA FROM LARGE-SCALE FOREST OWNERS

Large-scale forest owners (those with 1000 hectares or more) own 70 percent of the national forest estate. There are approximately 100 forest owners with more than 1000 hectares of forest.

Forest description data from large-scale owners is captured from an annual census. Data provided by these owners, and especially those with forests over 10 000 hectares, is considered the most reliable segment within the NEFD area dataset. Large-scale forest owners' forests are managed by professional staff and mapping work and forest inventories are conducted regularly in order to make well informed management decisions. The large-scale forest owners apply relatively consistent definitions of net stocked area.

RELIABILITY OF DATA FROM SMALLER-SCALE OWNERS

Smaller-scale forest owners with forests of less than 1000 hectares made up 30 percent of the total forest area in 2011. There are approximately 1820 forest owners with between 40 hectares and 999 hectares of forest.

The quality of the data provided by owners with less than 1000 hectares is likely to be more variable in nature. For instance, some owners may report the total land area originally taken out of pasture and put into forest without mapping out unstocked gaps. The difference between "gross" forest area and "net stocked" area is generally of the order of 10 to 20 percent.

Data provided by owners with less than 1000 hectares is likely to have a higher degree of non-sampling error as it is more likely to contain reporting inaccuracies and responses based on forest owners' estimates. It is also generally not reported electronically, which increases the possibility of errors in reporting the data to MAF and in

| DATA SOURCE | NET STOCKED AREA (000 HA) | PROPORTION OF Total Area (%) | NUMBER OF OWNERS AT NATIONAL LEVEL |
|--|------------------------------|---------------------------------|---------------------------------------|
| DATA COLLECTED IN THE NEFD SURVEY | | | |
| NEFD survey 10 000ha+ | 988 | 57 | 25 |
| NEFD survey 1000–9999ha | 209 | 12 | 72 |
| NEFD survey 40–999ha | 253 | 15 | 1 821 |
| NEFD survey total ¹ | 1 450 | 84 | 1 918 |
| New planting imputation (1992–2006) ² | 203 | 12 | |
| 2004 AgriQuality small forest growers (<40ha) ³ | 67 | 4 | |
| Total ⁴ | 1 719 | 100 | |

>>> TABLE 5.1: TOTAL AREA REPRESENTED BY EACH DATA SOURCE IN THE 2011 NEFD DATABASE

Notes

1 Data collected from 2011 NEFD survey only.

2 Adjustment made to the area of new forest planted between 1992 and 2006. New planting imputation is discussed on page 7 of this report.

3 Small Forest Grower Survey Report, AgriQuality New Zealand, April 2005.

4 Individual entries may not add to totals due to rounding.

Symbol

. Not available.

recording the data in the database. There is also the possibility that the survey frame contains inaccuracies, which may also contribute to non-sampling error. MAF adopts procedures to detect and minimise non-sampling error, but these errors may still occur and are not easy to quantify.

Table 5.1 shows total area represented from the2011 NEFD survey and other NEFD data sources.

RELIABILITY OF DATA BELOW NATIONAL LEVEL

Finer scale data, such as the area by age class at a territorial authority level, is likely to be less accurate than the total national forest area.

Forest areas are sometimes misallocated between adjacent territorial authorities. One way for users to minimise this problem is to aggregate data from adjacent territorial authorities, particularly where contiguous forest areas straddle territorial authority boundaries.

NEFD SURVEYS

To minimise possible errors in the NEFD survey data, the following checks were made.

- Numeric data was limited to certain maximum and minimum values for each entry.
- Aggregated area data was checked at the territorial authority level against the 2010 NEFD area dataset to ensure variation was within acceptable limits.
- For each owner, the data provided in the 2011 survey was compared with data provided by that owner in the previous surveys.

It is possible that some owners included in the dataset may change their management objectives. For instance, an area that is reported as intended to be pruned may not end up being pruned.

YIELD TABLES

The yield tables contained in the NEFD yield table dataset were produced during 1995/96, principally from data provided in 1995 by owners of extensive areas of forest. Data was collected from these owners because their holdings covered most districts in New Zealand, they made up much of the forest resource and they had the most suitable yield data in New Zealand. For further details on the NEFD yield tables, refer to *NEFD Regional Yield Tables as at 1 April 1995*.

An updated set of NEFD yield tables was produced as part of the new regional wood availability forecasts. Wood availability forecasts were completed in all regions and updated yield tables were released in 2010. Prior to importing the updated yield tables into the NEFD database, analysis on the impact of the updated yield tables on standing volume time series needs to be undertaken. The standing volume figures in this report continue to be calculated using the yield tables compiled in 1995.

PLANTING AND HARVESTING ESTIMATES

NEW PLANTING AND REPLANTING ESTIMATES

The 2010 calendar year estimate of total planting is 41 200 hectares. This is made up of 6000 hectares of new planting and 35 200 hectares of replanting. The replanting estimate is based on data collected from forest owners in the 2011 NEFD survey. The new planting estimate is compiled from the NEFD survey, Afforestation Grant Scheme and East Coast Forestry Project.

Approximately 54 300 hectares of previously harvested forest awaited replanting as at 1 April 2011. It is provisionally estimated that 12 000 hectares of new planting occurred during the 2011 calendar year.

Table 6.1 shows in percentage terms the predominant land cover prior to planting since 1993.

The estimates of land cover prior to new planting are based solely on the new planting information collected in postal surveys (see Table 3.1). In some instances, postal survey respondents who had undertaken new planting did not state the land cover type prior to planting. While the sample size used to derive the proportions of land cover type prior to new planting is considered to be adequate, the estimates are biased towards the practices of the larger forest owners who are fully represented in the NEFD surveys.

For definitions of these land cover types, refer to Appendix 1.

HARVESTING DATA

The 2011 NEFD survey estimated that the total volume

| CALENDAR YEARS | IMPROVED Pasture (%) | UNIMPROVED Pasture (%) | OTHER WOODY LAND (%) | AREA OF NEW Planting (HA) |
|----------------|-------------------------|---------------------------|-------------------------|------------------------------|
| 1993 | 28 | 56 | 16 | 61 600 |
| 1994 | 49 | 35 | 16 | 98 200 |
| 1995 | 67 | 22 | 11 | 73 900 |
| 1996 | 36 | 50 | 14 | 83 600 |
| 1997 | 43 | 46 | 11 | 63 700 |
| 1998 | 44 | 47 | 9 | 51 200 |
| 1999 | 56 | 30 | 14 | 40 000 |
| 2000 | 52 | 31 | 17 | 33 600 |
| 2001 | 68 | 9 | 23 | 30 100 |
| 2002 | 31 | 49 | 20 | 22 100 |
| 2003 | 28 | 46 | 26 | 19 900 |
| 2004 | 18 | 46 | 36 | 10 600 |
| 2005 | 2 | 19 | 79 | 6 000 |
| 2006 | 2 | 35 | 63 | 2 600 |
| 2007 | 11 | 9 | 80 | 2 400 |
| 2008 | 57 | 2 | 41 | 1 900 |
| 2009 | 27 | 58 | 15 | 4 300 |
| 2010 | 64 | 29 | 6 | 6 000 |

>>> TABLE 6.1: LAND COVER PRIOR TO NEW PLANTING¹

Note

1. Due to the small area of new planting in recent years and the influence of a small number of forest owners undertaking new planting, proportions of land cover types prior to planting may differ markedly between years.

harvested for the year ended 31 March 2011 was 21.9 million cubic metres. It is estimated that 21.7 million cubic metres came from clear felling 43 300 hectares of planted forest (down 200 hectares from 2010), and 0.2 million cubic metres from production thinning.

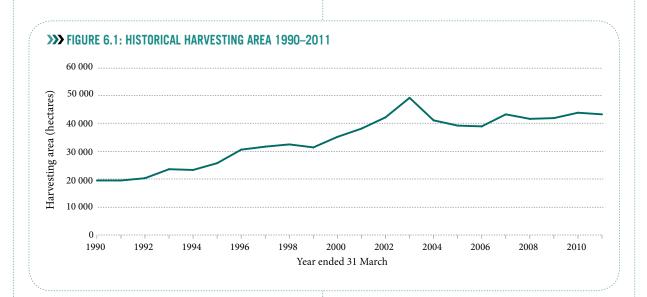
The total volume of radiata pine harvested in the year ended 31 March 2011 was 20.5 million cubic metres, from clear felling 39 800 hectares of forest. The area-weighted average clear fell age of radiata pine has increased slightly to 28.6 years in the year ended 31 March 2011. Since 2000, the national area-weighted average clear fell age for radiata pine has increased 1.8 years from 26.8 years. Figure 6.1 and 6.2 show the harvesting area and volume since 1990.

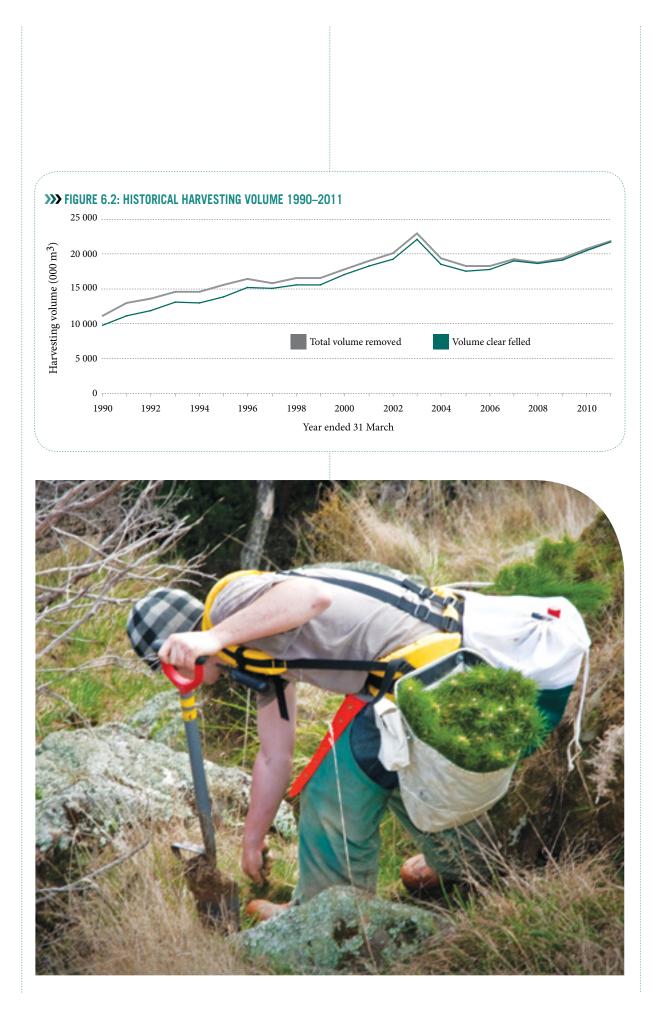
WOOD AVAILABILITY FORECASTS

Wood availability forecasts for all regions and New Zealand are available on the MAF website⁴.

4 http://www.maf.govt.nz/news-resources/publications.aspx

These latest regional forecasts incorporated the harvesting intentions of major forest owners in each region at the time the forecasts were prepared.





WOOD SUPPLY REGIONS AND TERRITORIAL AUTHORITIES

This report is based on 72 district and city councils in New Zealand. The councils are grouped to form 10 wood supply regions of broadly similar growth patterns for radiata pine, representing wood supply and processing catchments. The wood supply regions are: Northland, Auckland, Central North Island, East Coast, Hawke's Bay, Southern North Island, Nelson and Marlborough, Canterbury, West Coast, and Otago and Southland. The Auckland Council, established in November 2010, will be reflected in the 1 April 2012 report. The Auckland Council combines the functions of the Auckland Regional Council and seven city and district councils. This change necessitated an adjustment to the Wood Supply Regions (WSR) which will be reflected in the 1 April 2012 report.

The Auckland WSR is to be disestablished. The Auckland Council area will form part of the Northland WSR, while the remainder of the Auckland WSR will form part of the Central North Island WSR.

| OOD SUPPLY REGIONS | TERRITORIAL AUTHORITIES |
|----------------------|---|
| RTH ISLAND | |
| lorthland | Far North District Whangarei District Kaipara District |
| | Rodney District |
| uckland ¹ | North Shore City |
| | Auckland City Waitakere City Manukau City Papakura District Thames–Coromandel District Hauraki District Franklin District Waikato District Matamata–Piako District |
| entral North Island | Hamilton City Waipa District Otorohanga District Waitomo District Ruapehu District South Waikato District Taupo District Tauranga District Western Bay of Plenty District Rotorua District Kawerau District Whakatane District Opotiki District |

>>> TABLE 7.1: WOOD SUPPLY REGIONS AND CONSTITUENT TERRITORIAL AUTHORITIES

| DOD SUPPLY REGIONS | TERRITORIAL AUTHORITIES |
|---------------------|---|
| st Coast | Gisborne District |
| wke's Bay | Wairoa District Hastings District Napier City Central Hawke's Bay District |
| uthern North Island | New Plymouth District |
| | Stratford District South Taranaki District Wanganui District |
| | Rangitikei District Manawatu District Palmerston North City |
| | Tararua District Masterton District Horowhenua District |
| | Carterton District South Wairarapa District Kapiti Coast District |
| | Upper Hutt City Porirua City Wellington City Lower Hutt City |
| 'H ISLAND | Lower Hutt Only |
| son and Marlborough | Nelson City Tasman District Marlborough District Kaikoura District |
| st Coast | Buller District Grey District |
| terbury | Westland District Hurunui District Waimakariri District Christchurch City Selwyn District Ashburton District |
| | Timaru District Mackenzie District Waimate District |
| go and Southland | Waitaki District Dunedin City Queenstown-Lakes District Central Otago District Clutha District |
| | Gore District Southland District Invercargill City |

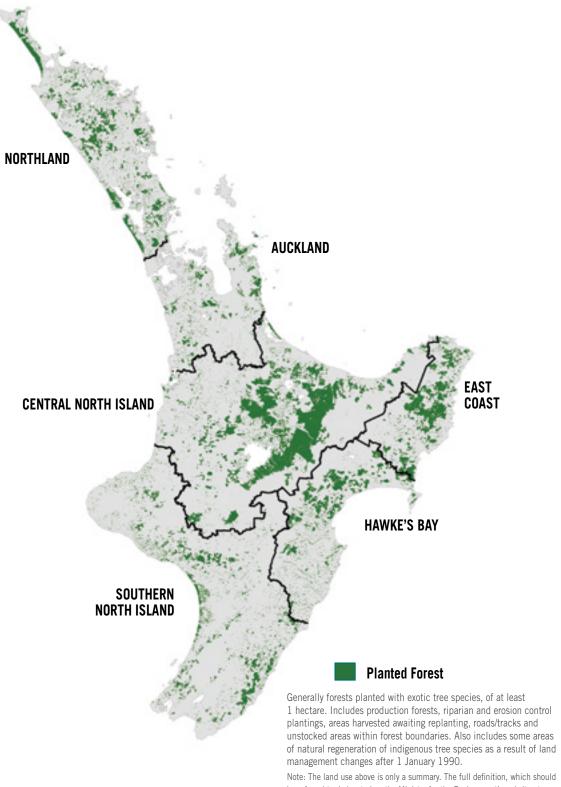






FOREST

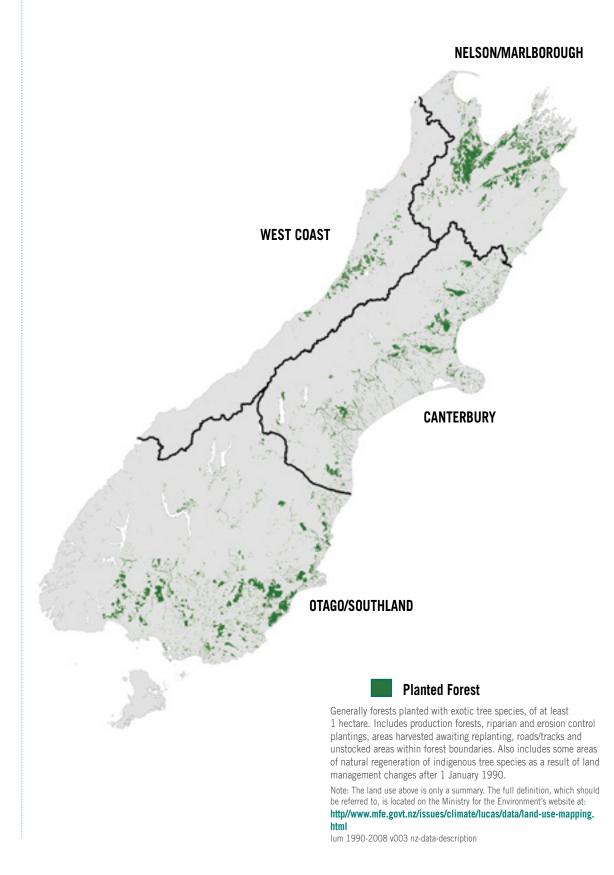
>>>> FIGURE 8.1: DISTRIBUTION OF PLANTED FORESTS BY WOOD SUPPLY REGION – NORTH ISLAND, 2008



be referred to, is located on the Ministry for the Environment's website at: http://www.mfe.govt.nz/issues/climate/lucas/data/land-use-mapping. html

lum 1990-2008 v003 nz-data-description

>>> FIGURE 8.2: DISTRIBUTION OF PLANTED FORESTS BY WOOD SUPPLY REGION – SOUTH ISLAND, 2008



TABULAR SUMMARIES AND GRAPHS

>>> PLANTING, OWNERSHIP, NUMBER OF FOREST OWNERS AND STANDING VOLUME

>>> TABLE 9.1: NEW LAND PLANTED IN PRODUCTION FOREST IN NEW ZEALAND¹

| YEAR ENDED 31 DECEMBER | NEW LAND Planted (000 ha) | YEAR ENDED 31 DECEMBER | NEW LAND Planted (000 ha) | YEAR ENDED 31 December | NEW LAND Planted (000 ha) |
|---------------------------|---------------------------------|---------------------------|---------------------------------|---------------------------|---------------------------------|
| 1920 | 1 | 1966 | 15 | 1989 | 21 |
| 1925 | 14 | 1967 | 17 | 1990 | 16 |
| 1930 | 37 | 1968 | 21 | 1991 | 15 |
| 1935 | 12 | 1969 | 23 | 1992 | 50 |
| 1940 | 2 | 1970 | 26 | 1993 | 62 |
| 1945 | 0 | 1971 | 29 | 1994 | 98 |
| 1950 | 3 | 1972 | 33 | 1995 | 74 |
| 1951 | 3 | 1973 | 44 | 1996 | 84 |
| 1952 | 3 | 1974 | 44 | 1997 | 64 |
| 1953 | 3 | 1975 | 45 | 1998 | 51 |
| 1954 | 4 | 1976 | 49 | 1999 | 40 |
| 1955 | 5 | 1977 | 39 | 2000 | 34 |
| 1956 | 5 | 1978 | 43 | 2001 | 30 |
| 1957 | 5 | 1979 | 44 | 2002 | 22 |
| 1958 | 5 | 1980 | 38 | 2003 | 20 |
| 1959 | 5 | 1981 | 45 | 2004 | 11 |
| 1960 | 6 | 1982 | 49 | 2005 | 6 |
| 1961 | 7 | 1983 | 51 | 2006 | 3 |
| 1962 | 9 | 1984 | 56 | 2007 | 2 |
| 1963 | 11 | 1985 | 48 | 2008 | 2 |
| 1964 | 14 | 1986 | 40 | 2009 | 4 |
| 1965 | 13 | 1987 | 30 | 2010 ² | 6 ^F |
| | | 1988 | 20 | 2011 ³ | 12 ^p |

Sources

Until 1987, the statistics were compiled by the New Zealand Forest Service. The figures for 1988 to 1991 are estimates from NEFD surveys. The figures from 1992 onwards are based on nursery surveys undertaken by the Ministry of Forestry and the Ministry of Agriculture and Forestry. **Notes**

1 Prior to 1950, only five-year average annual estimates are available. The areas of new planted forests have been estimated independently from total planted forest areas shown in Table 9.2.

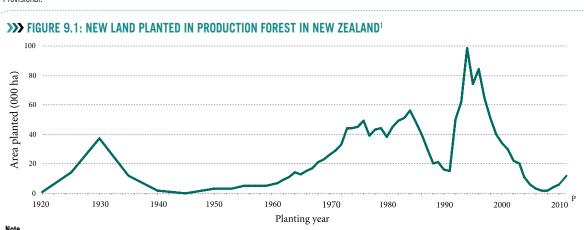
2. This estimate is compiled from new planting reported in the 2010 NEFD survey, 2010 Afforestation Grant Scheme approved planting (2600 hectares) and East Coast Forestry Project planting (900 hectares). In a separate survey – the 2010 Nursery Survey – it was estimated that 6000 hectares of new planting occurred in the year ended December 2010. The new planting estimate released in the *National Exotic Forest Description* may differ from those produced in the Agricultural Production Survey by Statistics New Zealand. These surveys use different survey frames and designs.

3. This provisional estimate is compiled from a combination of information collected in a supplementary phone survey of selected large forest owners, 2011 Afforestation Grant Scheme approved planting (3200 hectares) and East Coast Forestry Project approved planting (2500 hectares).

Symbols

F Finalised.

P Provisional.



NOTE

P Provisional.

 This provisional estimate is compiled from a combination of information collected in a supplementary phone survey of selected large forest owners, 2011 Afforestation Grant Scheme approved planting and East Coast Forestry Project planting. The final estimate of new planting in the December 2011 year will be collected in the 2012 NEFD survey.
 Symbol

| | I | PLANTED FOREST ARI | EA | PLANTED FOREST AR | | REA | |
|------------------------|--------------------------------|----------------------------------|-------------------|------------------------|--------------------------------|----------------------------------|-------------------|
| YEAR ENDED 31 March | STATE ² (000 HA) | PRIVATE ³ (000 HA) | TOTAL (000 ha) | YEAR ENDED 31 March | STATE ² (000 HA) | PRIVATE ³ (000 HA) | TOTAL (000 HA) |
| 1921 | 16 | 61 | 77 | 1979 | 449 | 350 | 799 |
| 1926 | 32 | 66 | 98 | 1980 | 467 | 379 | 846 |
| 1931 | 124 | 123 | 247 | 1981 | 484 | 404 | 888 |
| 1936 | 170 | 147 | 317 | 1982 | 505 | 434 | 939 |
| 1941 | 179 | 150 | 329 | 1983 | 526 | 467 | 993 |
| 1946 | 183 | 149 | 332 | 1984 | 546 | 499 | 1 045 |
| 1951 | 187 | 151 | 338 | 1985 | 566 | 529 | 1 095 |
| 1952 | 189 | 151 | 340 | 1986 | 583 | 548 | 1 1 3 1 |
| 1953 | 190 | 151 | 341 | 1987 | 598 | 556 | 1 154 |
| 1954 | 191 | 151 | 342 | 1988 | 588 | 626 | 1 214 |
| 1955 | 192 | 152 | 344 | 1989 | 607 | 633 | 1 240 |
| 1956 | 192 | 154 | 346 | 1990 | 607 | 654 | 1 261 |
| 1957 | 193 | 155 | 348 | 1991 | 361 | 928 | 1 289 |
| 1958 | 194 | 156 | 350 | 1992 | 356 | 952 | 1 308 |
| 1959 | 195 | 157 | 352 | 1993 | 262 | 1 066 | 1 328 |
| 1960 | 195 | 157 | 352 | 1994 | 267 | 1 121 | 1 388 |
| 1961 | 199 | 159 | 358 | 1995 | 334 | 1 144 | 1 478 |
| 1962 | 213 | 149 | 362 | 1996 | 330 | 1 212 | 1 542 |
| 1963 | 220 | 152 | 372 | 1997 | 169 | 1 461 | 1 630 |
| 1964 | 228 | 156 | 384 | 1998 | 169 | 1 510 | 1 679 |
| 1965 | 235 | 160 | 395 | 1999 | 161 | 1 570 | 1 731 |
| 1966 | 241 | 163 | 404 | 2000 | 151 | 1 618 | 1 769 |
| 1967 | 247 | 167 | 414 | 2001 | 151 | 1 648 | 1 799 |
| 1968 | 257 | 172 | 429 | 2002 | 148 | 1 666 | 1 814 |
| 1969 | 270 | 177 | 447 | 2003 | 146 | 1 681 | 1 827 |
| 1970 | 283 | 182 | 465 | 2004 | 143 | 1 679 | 1 822 |
| 1971 | 294 | 189 | 483 | 2005 | 135 | 1 676 | 1 811 |
| 1972 | 306 | 202 | 508 | 2006 | 125 | 1 675 | 1 800 |
| 1973 | 323 | 215 | 538 | 2007 | 125 | 1 665 | 1 790 |
| 1974 | 343 | 234 | 577 | 2008 | 127 | 1 634 | 1 761 |
| 1975 | 362 | 254 | 616 | 2009 | 128 | 1 623 | 1 751 |
| 1976 | 385 | 272 | 657 | 2010 | 123 | 1 615 | 1 738 |
| 1977 | 406 | 299 | 705 | 2011 | 119 | 1 600 | 1 719 |
| 1978 | 425 | 324 | 749 | | | | |

TABLE 9.2: PLANTED PRODUCTION FOREST AREA IN NEW ZEALAND¹

Sources

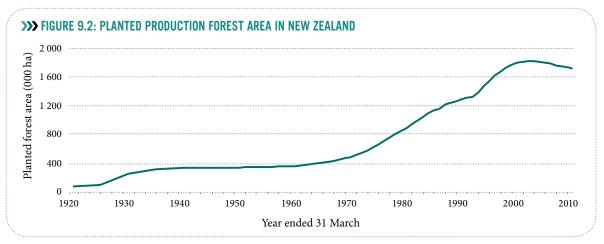
Until 1987, the statistics were compiled by the New Zealand Forest Service. The figures for 1987 onwards are estimates from NEFD surveys.

Notes

1. The total planted forest areas have been estimated independently from new planted forest areas. The areas in this table are not the accumulated sums of new forest planting shown in Table 9.1.

2. Prior to 1987, "State" refers principally to the forests planted or managed by the New Zealand Forest Service. Since 1987, "State" refers primarily to the forests owned or managed by state-owned enterprises and the Māori lease forests managed by the Ministry of Agriculture and Forestry.

3. Private afforestation figures are based on incomplete historical data, and considerable estimation has taken place.



>>> TABLE 9.3: FOREST OWNERSHIP AS AT 1 APRIL 2011¹

| OWNERSHIP CATEGORY ² | ESTIMATED Total Area ³ (HA) | PERCENT OF Estimated Total |
|--|--|----------------------------------|
| Registered public company ⁴ | 8 531 | 0.5 |
| Privately owned ^{4, 5} | 1 591 848 | 93 |
| State-owned enterprise | 10 566 | 1 |
| Local government | 46 232 | 3 |
| Central government ⁶ | 62 257 | 4 |
| New Zealand total ⁷ | 1 719 434 | 100 |

Notes

1. The area of forest owned or managed by major forest owners can be found in the New Zealand Forest Industry booklet, Facts & Figures 2010/2011, page 12 (see http://www.nzfoa.org.nz/images/stories/pdfs/fandf2011web.pdf).

2. Ownership is based solely on the ownership of the forest irrespective of the ownership of the land.

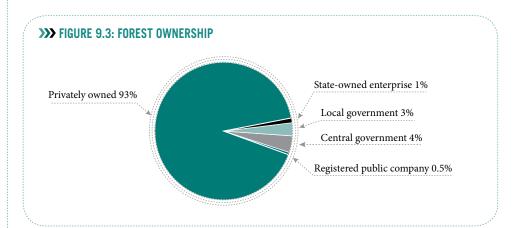
3. Net stocked planted production forest area.

4. Significant changes in forest ownership have occurred since 2003, resulting in large areas of forest previously owned by public companies now being privately owned.

5. "Privately owned" includes all privately owned forests. The legal entities included in this category are private companies, partnerships, individuals and trusts, which include Maori trusts and incorporations.

6. "Central government" forests are predominantly Crown-owned forests on Maori leasehold land. These forests are managed by the Ministry of Agriculture and Forestry.

7. Individual entries may not add to total due to rounding.

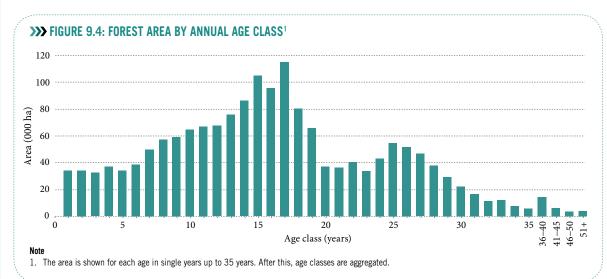


>>> TABLE 9.4: FOREST AREA¹ BY ANNUAL AGE CLASS, AS AT 1 APRIL 2011

| AGE | AREA (HA) | AGE | AREA (HA) | AGE | AREA (HA) |
|-----|--------------|-----|--------------|-------------------|--------------|
| 1 | 34 432 | 29 | 29 649 | 57 | 95 |
| 2 | 34 257 | 30 | 22 383 | 58 | 111 |
| 3 | 32 770 | 31 | 16 290 | 59 | 129 |
| 4 | 36 870 | 32 | 11 072 | 60 | 49 |
| 5 | 34 468 | 33 | 11 828 | 61 | 379 |
| 6 | 38 972 | 34 | 7 503 | 62 | 75 |
| 7 | 49 761 | 35 | 5 827 | 63 | 58 |
| 8 | 57 624 | 36 | 5 056 | 64 | 45 |
| 9 | 59 297 | 37 | 3 225 | 65 | 16 |
| 10 | 65 248 | 38 | 2 388 | 66 | 34 |
| 11 | 67 295 | 39 | 2 169 | 67 | 72 |
| 12 | 67 584 | 40 | 1 468 | 68 | 32 |
| 13 | 76 138 | 41 | 1 752 | 69 | 20 |
| 14 | 86 411 | 42 | 1 573 | 70 | 24 |
| 15 | 105 264 | 43 | 1 231 | 71 | 148 |
| 16 | 95 849 | 44 | 969 | 72 | 45 |
| 17 | 115 552 | 45 | 887 | 73 | 68 |
| 18 | 80 694 | 46 | 949 | 74 | 23 |
| 19 | 66 032 | 47 | 1 126 | 75 | 24 |
| 20 | 37 076 | 48 | 498 | 76 | 40 |
| 21 | 36 766 | 49 | 466 | 77 | 38 |
| 22 | 40 484 | 50 | 325 | 78 | 74 |
| 23 | 33 770 | 51 | 668 | 79 | 142 |
| 24 | 43 084 | 52 | 338 | 80+ | 580 |
| 25 | 54 743 | 53 | 184 | | |
| 26 | 51 539 | 54 | 163 | | |
| 27 | 46 891 | 55 | 88 | | |
| 28 | 38 065 | 56 | 102 | New Zealand total | 1 719 434 |

Note

1. Net stocked planted production forest area.



>>> TABLE 9.5: NUMBER OF FOREST OWNERS BY NATIONAL SIZE CLASS¹, AS AT APRIL 2011

| | NATIONAL SIZE CLASS | | | | | | | |
|--------------------------------|---------------------|----------|------------|------------|----------------|------------|--|--|
| WOOD SUPPLY REGION | <40 HA | 40–99 HA | 100–499 HA | 500–999 HA | 1 000–9 999 HA | 10 000+ HA | | |
| Northland | | 134 | 76 | 10 | 15 | 6 | | |
| Auckland | | 40 | 30 | 5 | 9 | 4 | | |
| Central North Island | | 85 | 69 | 9 | 16 | 11 | | |
| East Coast | | 56 | 50 | 6 | 16 | 9 | | |
| Hawke's Bay | | 68 | 40 | 4 | 7 | 10 | | |
| Southern North Island | | 234 | 169 | 15 | 15 | 6 | | |
| Nelson and Marlborough | | 198 | 115 | 12 | 11 | 4 | | |
| West Coast | | 8 | 5 | 1 | 1 | 1 | | |
| Canterbury | | 84 | 82 | 3 | 12 | 2 | | |
| Otago and Southland | | 148 | 90 | 8 | 12 | 7 | | |
| New Zealand total ² | | 1 049 | 708 | 64 | 72 | 25 | | |

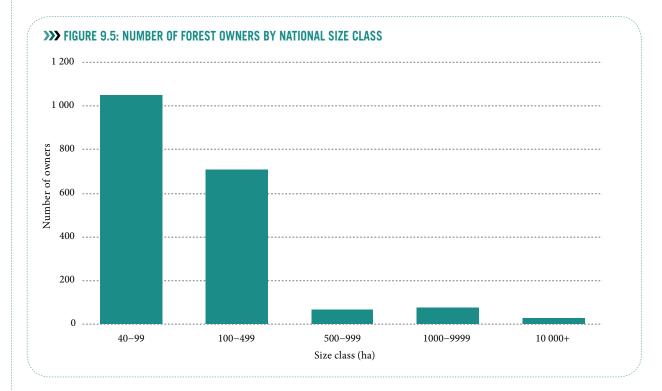
Notes

 This table shows the size class of the forest owner at a national level and the regions where the owner has forests located. This does not show the size of the forest at regional level.
 The New Zealand totals do not equal the sum of the wood supply regions because some owners have forests in more than one region. This is particularly the case

2. The New Zealand totals do not equal the sum of the wood supply regions because some owners have forests in more than one region. This is particularly the case for large owners in the 1000–9999 hectare and 10 000+ hectare size class.

Symbol

.. Not available.



| | NATIONAL SIZE CLASS | | | | | | | | |
|------------------------|---------------------|----------|------------|------------|--------------|------------|-----------|--|--|
| WOOD SUPPLY REGION | <40 HA | 40–99 HA | 100-499 HA | 500–999 HA | 1000–9999 HA | 10 000+ HA | TOTAL HA | | |
| Northland | 31 716 | 8 356 | 13 381 | 6 241 | 32 014 | 97 792 | 189 500 | | |
| Auckland | 10 493 | 2 382 | 5 311 | 1 941 | 14 972 | 20 346 | 55 445 | | |
| Central North Island | 49 868 | 5 080 | 14 219 | 4 824 | 34 651 | 404 777 | 513 419 | | |
| East Coast | 16 568 | 3 245 | 11 374 | 4 360 | 35 437 | 85 422 | 156 406 | | |
| Hawke's Bay | 21 591 | 4 1 1 4 | 7 984 | 2 137 | 9 147 | 83 171 | 128 144 | | |
| Southern North Island | 44 359 | 14 341 | 33 357 | 8 335 | 25 431 | 42 875 | 168 698 | | |
| Nelson and Marlborough | 24 261 | 11 960 | 19 589 | 8 562 | 19 056 | 83 716 | 167 144 | | |
| West Coast | 2 740 | 489 | 635 | 617 | 182 | 27 922 | 32 585 | | |
| Canterbury | 32 573 | 5 058 | 14 307 | 1 554 | 17 272 | 32 558 | 103 322 | | |
| Otago and Southland | 42 906 | 9 207 | 17 196 | 5 163 | 21 220 | 109 079 | 204 771 | | |
| New Zealand total | 277 075 | 64 232 | 137 353 | 43 734 | 209 382 | 987 658 | 1 719 434 | | |

>>> TABLE 9.6: FOREST AREA BY FOREST OWNER NATIONAL SIZE CLASS, AS AT 1 APRIL 2011



>>> TABLE 9.7: FOREST AREA' COLLECTED BY POSTAL SURVEY AND ADJUSTMENTS FOR NEW PLANTING, AS AT 1 APRIL 2011

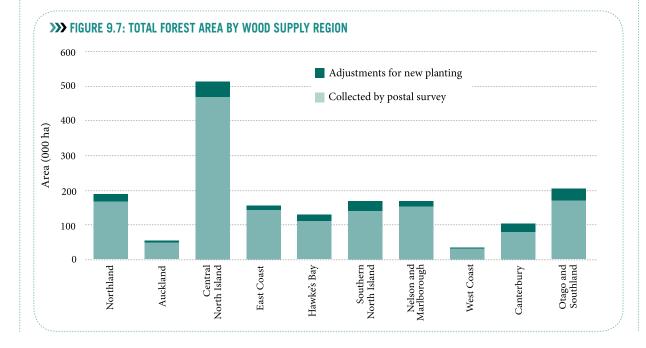
| | COLLECTED BY | IMPUTED NEW PLANTING | ESTIMATED |
|--|----------------------------------|-----------------------------|---------------------------|
| TERRITORIAL AUTHORITY | POSTAL SURVEYS (HA) ² | 1992–2006 (HA) ³ | TOTAL AREA (HA) |
| NORTHLAND WOOD SUPPLY REGION Far North District | 70 5 4 2 | 9.097 | 87 629 |
| Whangarei District | 79 542 28 790 | 8 087 3 704 | 32 494 |
| Kaipara District | 34 124 | 4 829 | 38 953 |
| Rodney District Region total | 26 252 168 708 | 4 172 20 792 | 30 424 189 500 |
| AUCKLAND WOOD SUPPLY REGION | | | 10,000 |
| North Shore City | 14 | 0 | 14 |
| Waitakere City | 7 | 2 | 9 0 |
| Auckland City Manukau City | 5 084 | 0 596 | 5 680 |
| Papakura District | 206 | 0 | 206 |
| Franklin District Thames-Coromandel District | 4 863 21 706 | 1 475 1 376 | 6 338 23 082 |
| Hauraki District | 2 3 3 0 | 907 | 3 237 |
| Waikato District Matamata-Piako District | 13 188 1 043 | 2 294 354 | 15 482 1 397 |
| Region total | 48 441 | 7 004 | 55 445 |
| CENTRAL NORTH ISLAND WOOD SUPPLY REGION | | | |
| Hamilton City | 1 | 0 | 1 |
| Waipa District Otorohanga District | 1 661 2 718 | 1 057 2 327 | 2 718 5 045 |
| South Waikato District | 64 676 | 1 579 | 66 255 |
| Waitomo District | 18 965 164 420 | 6 759 | 25 724 |
| Taupo District Tauranga District | 164 420 86 | 6 713 39 | 171 133 125 |
| Ruapehu District | 37 821 | 8 359 | 46 180 |
| Western Bay of Plenty District Rotorua District | 20 465 45 682 | 3 089 5 272 | 23 554 50 954 |
| Kawerau District | 31 | 3 | 34 |
| Whakatane District Opotiki District | 100 854 14 311 | 4 283 2 248 | 105 137 16 559 |
| Region total | 471 691 | 41 728 | 513 419 |
| EAST COAST WOOD SUPPLY REGION | | | |
| Gisborne District Region total | 141 888 141 888 | 14 518 14 518 | 156 406 156 406 |
| HAWKE'S BAY WOOD SUPPLY REGION | 141 000 | 14,510 | 150 400 |
| Wairoa District | 46 762 | 5 561 | 52 323 |
| Hastings District | 54 584 | 5 930 | 60 514 |
| Napier City Central Hawke's Bay District | 139 10 792 | 0 4 376 | 139 15 168 |
| Region total | 112 277 | 15 867 | 128 144 |
| SOUTHERN NORTH ISLAND WOOD SUPPLY REGION | | | |
| New Plymouth District Stratford District | 3 318 5 237 | 760 1 165 | 4 078 6 402 |
| South Taranaki District | 7 765 | 2 146 | 9 911 |
| Wanganui District Rangitikei District | 25 920 17 981 | 3 584 3 593 | 29 504 21 574 |
| Manawatu District | 4 805 | 2 033 | 6 838 |
| Palmerston North City | 2 003 | 297 | 2 300 |
| Horowhenua District Tararua District | 5 685 11 747 | 1 204 2 926 | 6 889 14 673 |
| Kapiti Coast District | 2 941 | 755 | 3 696 |
| Upper Hutt City Porirua City | 5 758 1 858 | 646 54 | 6 404 1 912 |
| Wellington City | 445 | 34 38 | 483 |
| Lower Hutt City | 272 | 27 | 299 |
| Masterton District Carterton District | 29 573 9 484 | 3 676 2 686 | 33 249 12 170 |
| South Wairarapa District | 6 124 | 2 192 | 8 316 |
| Region total | 140 916 | 27 782 | 168 698 |
| North Island total | 1 083 921 | 127 691 | 1 211 612 |

>>> TABLE 9.7 CONTINUED...

| TERRITORIAL AUTHORITY | COLLECTED BY Postal Surveys (HA) ² | IMPUTED NEW PLANTING 1992–2006 (HA) ³ | ESTIMATED TOTAL AREA (HA) |
|---|--|---|------------------------------|
| | | 1002 2000 (IIA) | |
| NELSON AND MARLBOROUGH WOOD SUPPLY REGION | 00.004 | 5 50 6 | 06.040 |
| Tasman District | 80 334 | 5 706 | 86 040 |
| Nelson City | 8 469 | 532 9 320 | 9 001 |
| Marlborough District Kaikoura District | 61 462 | | 70 782 |
| Region total | 1 113 151 378 | 208 15 766 | 1 321 167 144 |
| WEST COAST WOOD SUPPLY REGION | | | |
| Buller District | 3 312 | 323 | 3 635 |
| Grey District | 13 941 | 296 | 14 237 |
| Westland District | 13 645 | 1 068 | 14 713 |
| Region total | 30 898 | 1 687 | 32 585 |
| CANTERBURY WOOD SUPPLY REGION | | | |
| Hurunui District | 32 428 | 6 312 | 38 740 |
| Waimakariri District | 8 935 | 3 118 | 12 053 |
| Selwyn District | 8 267 | 2 252 | 10 519 |
| Christchurch City | 6 264 | 3 638 | 9 902 |
| Ashburton District | 2 884 | 922 | 3 806 |
| Mackenzie District | 3 765 | 1 158 | 4 923 |
| Timaru District | 9 343 | 2 521 | 11 864 |
| Waimate District | 7 519 | 3 996 | 11 515 |
| Region total | 79 405 | 23 917 | 103 322 |
| OTAGO AND SOUTHLAND WOOD SUPPLY REGION | 14.410 | 2 00 4 | 10.202 |
| Waitaki District | 14 419 | 3 884 | 18 303 |
| Queenstown-Lakes District | 627 | 130 | 757 |
| Central Otago District | 5 520 | 1 771 | 7 291 14 211 |
| Dunedin City Clutha District | 12 837 69 536 | 1 374 | |
| Southland District | 69 536 65 128 | 11 741 | 81 277 77 998 |
| Gore District | 2 436 | 12 870 1 810 | 4 246 |
| Invercargill City | 2 430 589 | 99 | 4 240 688 |
| Region total | 171 092 | 33 679 | 204 771 |
| South Island total | 432 773 | 75 049 | 507 822 |
| | | | |
| New Zealand total | 1 516 694 | 202 740 | 1 719 434 |

Notes

Net stocked planted production forest area.
 Comprises the combined results from the 2011 NEFD survey and a small forest grower survey conducted by AgriQuality New Zealand.
 Adjustments made to the area of new forest planted between 1992 and 2006. New planting imputation is discussed on page 7.



>>> TABLE 9.8: AREA¹, STANDING VOLUME AND AREA-WEIGHTED AVERAGE AGE BY TERRITORIAL AUTHORITY, AS AT 1 APRIL 2011

| NOTADE WOD SUPPLY REGOV 87 623 32 901 18.50 Far North District 32 244 13 192 18.47 Kaipara District 38 953 15 162 17.99 Rochary District 30 243 69 518 17.89 Rochary District 30 243 69 518 17.89 North Shore City 14 6 56.79 Mattaker City 9 3 23.88 Ackland WD Supply EdeW 0 0 0.000 Manukau City 5 640 125 27.73 Franklin District 23.082 61 51 15.38 Hauraki District 15 482 30 55 14.07 Matamate Pikabo District 15 482 30 55 14.07 Matamate Pikabo District 15 482 30 55 14.07 Matamate Pikabo District 27.73 Frastrict 15.71 Chrank WRT REGOV 1 1 1 29.00 Walpa District 27.73 88.61 16.60 Ottro Austrict 27.7 | TERRITORIAL AUTHORITY | AREA (HA) | STANDING Volume (000 M ³) | AREA-WEIGHTED Average Age (years) |
|--|---|--|--|---|
| North Shore City 14 6 6.57.9 Waitakere City 0 0 0.00 Manukau City 5.660 1.25 2.73 Franklin District 2.308 1.858 1.940 Inames-Coronandel District 2.3082 6.151 1.538 Hauraki District 3.237 8.31 1.720 Waikato District 1.397 2.94 1.397 Region total 5.5445 1.379 1.571 CHALL WATH SLAW MOD SUPPLY REGOM 1 1 2.900 Maipa District 2.718 8.61 1.6600 Otorohaga District 2.5724 5.883 1.349 Taupo District 2.554 7.231 1.635 Waite District 2.3554 7.231 1.635 Region total 1.56406 51.957 | Far North District Whangarei District Kaipara District Rodney District Region total | 32 494 38 953 30 424 | 13 192 15 162 8 263 | 18.47 17.99 14.18 |
| Hamilton City 1 1 1 29.00 Waipa District 2718 861 16.60 South Waikato District 5045 1464 16.10 South Waikato District 25724 5 883 13.49 Taupo District 171133 54 721 16.57 Taurang District 125 37 15.88 Ruapchu District 23 554 7.231 16.36 Rotorua District 5054 13 651 14.485 Kaverau District 10517 30 340 15.48 Opotiki District 16 559 8 184 21.67 Region total 513 419 156 406 51 957 17.07 Region total 51 406 51 957 17.07 15.02 Hasting District 60 514 13 701 14.76 Region total 128 144 29.67 15.02 Hasting District 15 168 3 960 16.39 Region total 128 144 29.67 15.06 Strict Nowoos S | North Shore City Waitakere City Auckland City Manukau City Papakura District Franklin District Thames-Coromandel District Hauraki District Waikato District Matamata-Piako District | 9 0 5 680 206 6 338 23 082 3 237 15 482 1 397 | $\begin{array}{c} 3\\ 0\\ 1473\\ 126\\ 1858\\ 6151\\ 831\\ 3055\\ 294 \end{array}$ | 23.89 0.00 16.46 27.73 19.40 15.38 17.20 14.07 13.97 |
| Gisborne District 156 406 51 957 17.07 Region total 156 406 51 957 17.07 HAWKE'S BAY WODD SUPPLY REGON 52 323 11 961 15.02 Hastings District 60 514 13 701 14.76 Napier City 139 55 21.39 Central Hawke's Bay District 15 168 3 960 16.39 Region total 128 144 29 677 15.06 SOUTHERN NORTH ISLAND WODD SUPPLY REGON 0 0 0 New Plymouth District 4 078 1154 16.26 Stratford District 29 911 3 231 17.23 Wanganui District 29 504 8 333 15.71 Manganui District 20 300 943 18.27 Horowhenua District 20 300 943 18.27 Horowhenua District 3 696 1 4053 18.69 Upper Hutt City 6 402 2 300 943 18.27 Horowhenua District 3 696 1 4053 18.69 16.61 </td <td>Hamilton City Waipa District Otorohanga District South Waikato District Waitomo District Taupo District Tauranga District Ruapehu District Western Bay of Plenty District Rotorua District Kawerau District Whakatane District Opotiki District</td> <td>$\begin{array}{c} 2\ 718\\ 5\ 045\\ 66\ 255\\ 25\ 724\\ 171\ 133\\ 125\\ 46\ 180\\ 23\ 554\\ 50\ 954\\ 34\\ 105\ 137\\ 16\ 559\end{array}$</td> <td>$\begin{array}{c} 861 \\ 1 \ 464 \\ 19 \ 745 \\ 5 \ 883 \\ 54 \ 721 \\ 37 \\ 15 \ 992 \\ 7 \ 231 \\ 13 \ 651 \\ 10 \\ 30 \ 340 \\ 8 \ 184 \end{array}$</td> <td>$16.60 \\ 16.10 \\ 14.65 \\ 13.49 \\ 16.57 \\ 15.88 \\ 17.39 \\ 16.36 \\ 14.85 \\ 12.65 \\ 15.48 \\ 21.67$</td> | Hamilton City Waipa District Otorohanga District South Waikato District Waitomo District Taupo District Tauranga District Ruapehu District Western Bay of Plenty District Rotorua District Kawerau District Whakatane District Opotiki District | $\begin{array}{c} 2\ 718\\ 5\ 045\\ 66\ 255\\ 25\ 724\\ 171\ 133\\ 125\\ 46\ 180\\ 23\ 554\\ 50\ 954\\ 34\\ 105\ 137\\ 16\ 559\end{array}$ | $\begin{array}{c} 861 \\ 1 \ 464 \\ 19 \ 745 \\ 5 \ 883 \\ 54 \ 721 \\ 37 \\ 15 \ 992 \\ 7 \ 231 \\ 13 \ 651 \\ 10 \\ 30 \ 340 \\ 8 \ 184 \end{array}$ | $16.60 \\ 16.10 \\ 14.65 \\ 13.49 \\ 16.57 \\ 15.88 \\ 17.39 \\ 16.36 \\ 14.85 \\ 12.65 \\ 15.48 \\ 21.67$ |
| Wairoa District52 32311 96115.02Hastings District $60 514$ 13 70114.76Napier City1395521.39Central Hawke's Bay District15 1683 96016.39Region total128 14429 67715.06SOUTHERN NORTH ISLAND WOOD SUPPLY REGIONNew Plymouth District4 0781 15416.26Stratford District6 4022 34319.20South Taranaki District9 9113 23117.23Wanganui District29 5048 33315.71Rangitikei District21 5745 87216.09Manawatu District6 8382 49718.82Palmerston North City2 30094318.27Horowhenua District3 6961 40518.69Upper Hutt City6 4042 66319.37Porirua City1 91297421.97Wellington City2 39915924.65Masterton District33 24911 24617.43Carterton District12 1703 38315.61South Wairarapa District8 3162 53216.87Region total168 69853 35916.96 | Gisborne District | | | |
| New Plymouth District4 0781 15416.26Stratford District6 4022 34319.20South Taranaki District9 9113 23117.23Wanganui District29 5048 33315.71Rangitikei District21 5745 87216.09Manawatu District6 8382 49718.82Palmerston North City2 30094318.27Horowhenua District6 8892 03016.89Tararua District3 6961 40518.69Upper Hutt City6 4042 66319.37Porirua City1 91297421.97Wellington City48314917.50Lower Hutt City29915924.65Masterton District33 24911 24617.43South Wairarapa District8 3162 53216.87Region total168 69853 35916.96 | Wairoa District Hastings District Napier City Central Hawke's Bay District | 60 514 139 15 168 | 13 701 55 3 960 | 14.76 21.39 16.39 |
| | New Plymouth District Stratford District South Taranaki District Wanganui District Rangitikei District Manawatu District Palmerston North City Horowhenua District Tararua District Kapiti Coast District Upper Hutt City Porirua City Wellington City Lower Hutt City Masterton District Carterton District South Wairarapa District | $\begin{array}{c} 6\ 402\\ 9\ 911\\ 29\ 504\\ 21\ 574\\ 6\ 838\\ 2\ 300\\ 6\ 889\\ 14\ 673\\ 3\ 696\\ 6\ 404\\ 1\ 912\\ 483\\ 299\\ 33\ 249\\ 12\ 170\\ 8\ 316\end{array}$ | $\begin{array}{c} 2 \ 343 \\ 3 \ 231 \\ 8 \ 333 \\ 5 \ 872 \\ 2 \ 497 \\ 943 \\ 2 \ 030 \\ 4 \ 445 \\ 1 \ 405 \\ 2 \ 663 \\ 974 \\ 149 \\ 159 \\ 11 \ 246 \\ 3 \ 383 \\ 2 \ 532 \end{array}$ | $ 19.20 \\ 17.23 \\ 15.71 \\ 16.09 \\ 18.82 \\ 18.27 \\ 16.89 \\ 16.61 \\ 18.69 \\ 19.37 \\ 21.97 \\ 17.50 \\ 24.65 \\ 17.43 \\ 15.61 \\ 16.87 \\ $ |
| | | | | |

>>> TABLE 9.8 CONTINUED...

| | | STANDING | AREA-WEIGHTED |
|---|-----------------|------------------------------|---------------------|
| TERRITORIAL AUTHORITY | AREA (HA) | VOLUME (000 M ³) | AVERAGE AGE (YEARS) |
| NELSON AND MARLBOROUGH WOOD SUPPLY REGION | | | |
| Tasman District | 86 040 | 17 371 | 15.05 |
| Nelson City | 9 001 | 1 765 | 14.06 |
| Marlborough District | 70 782 | 17 046 | 17.11 |
| Kaikoura District | 1 321 | 337 | 18.21 |
| Region total | 167 144 | 36 519 | 15.89 |
| WEST COAST WOOD SUPPLY REGION | | | |
| Buller District | 3 635 | 695 | 16.95 |
| Grey District | 14 237 | 2 791 | 16.27 |
| Westland District | 14 713 | 1 766 | 14.06 |
| Region total | 32 585 | 5 252 | 15.35 |
| CANTERBURY WOOD SUPPLY REGION | | | |
| Hurunui District | 38 740 | 7 046 | 15.89 |
| Waimakariri District | 12 053 | 2 536 | 17.09 |
| Selwyn District | 10 519 | 2 386 | 19.26 |
| Christchurch City | 9 902 | 1 653 | 17.70 |
| Ashburton District | 3 806 | 776 | 18.46 |
| Mackenzie District | 4 923 | 876 | 18.73 |
| Timaru District | 11 864 | 1 927 | 16.63 |
| Waimate District | 11 515 | 1 895 | 16.70 |
| Region total | 103 322 | 19 095 | 16.95 |
| OTAGO AND SOUTHLAND WOOD SUPPLY REGION | | | |
| Waitaki District | 18 303 | 4 095 | 15.79 |
| Queenstown-Lakes District | 757 | 299 | 23.77 |
| Central Otago District | 7 291 | 1 634 | 18.53 |
| Dunedin City | 14 211 | 4 355 | 19.70 |
| Clutha District Southland District | 81 277 | 16 085 | 15.05 |
| Southland District Gore District | 77 998 4 246 | 14 784 910 | 14.92 15.39 |
| Invercargill City | 4 246 688 | 251 | 21.78 |
| Region total | 204 771 | 42 413 | 15.58 |
| South Island total | | | |
| | 507 822 | 103 279 | 15.95 |
| New Zealand total | 1 719 434 | 479 709 | 16.28 |

Note
1. Net stocked planted production forest area.



>>> TABLE 9.9: FOREST AREA¹ BY AGE CLASS AND TERRITORIAL AUTHORITY, AS AT 1 APRIL 2011

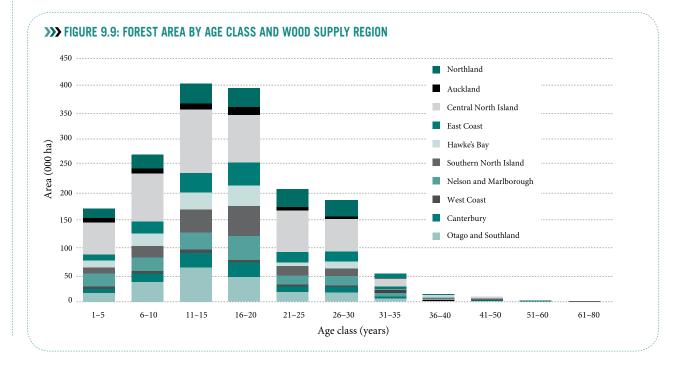
| | | | | | | AGE CLASS | YEARS | | | | | |
|---|----------------|-----------------|------------------|------------------|----------------|----------------|----------------|---------------|---------------|---------------|---------------|------------------|
| | 1–5 | 6–10 | 11–15 | 16–20 | 21–25 | 26–30 | 31–35 | 36–40 | 41–50 | 51-60 | 61–80 | |
| TERRITORIAL AUTHORITY | YEARS (HA) | YEARS (HA) | YEARS (HA) | YEARS (HA) | YEARS (HA) | YEARS (HA) | YEARS (HA) | YEARS (HA) | YEARS (HA) | YEARS (HA) | YEARS (HA) | TOTAL (HA) |
| NORTHLAND WOOD SUPPLY REGION | | | | | | | | | | | | |
| Far North District | 9 588 | 10 591 | 12 361 | 15 351 | 15 189 | 17 746 | 5 577 | 1 049 | 128 | 15 | 34 | 87 629 |
| Whangarei District | 2 451 | 3 534 | 6 1 3 0 | 6 2 3 1 | 6 0 1 6 | 6 835 | 945 | 188 | 140 | 13 | 11 | 32 494 |
| Kaipara District | 2 495 | 3 711 | 9 120 | 7 455 | 10 868 | 4 580 | 458 | 179 | 54 | 11 | 22 | 38 953 |
| Rodney District | 3 870 | 7 198 | 8 313 | 5 934 | 1 829 | 1 335 | 1 435 | 355 | 120 | 15 | 20 | 30 424 |
| Region total | 18 404 | 25 034 | 35 924 | 34 971 | 33 902 | 30 496 | 8 415 | 1 771 | 442 | 54 | 87 | 189 500 |
| AUCKLAND WOOD SUPPLY REGION | | | | | | | | | | | | |
| North Shore City | 0 | 0 | 0 | 0 | 6 | 0 | 3 | 1 | 0 | 0 | 4 | 14 |
| Waitakere City Auckland City | 0 0 | 0 0 | 1 0 | 3 0 | 1 | 1 0 | 2 0 | 1 | 0 0 | 0 0 | 0 0 | 9 0 |
| Manukau City | 285 | 1 192 | 1 009 | 2 072 | 291 | 515 | 81 | 218 | 17 | 0 | 0 | 5 680 |
| Papakura District | 12 | 0 | 4 | 30 | 20 | 29 | 81 | 29 | 0 | 0 | 1 | 206 |
| Franklin District Thames-Coromandel District | 149 5 138 | 422 4 261 | 1 166 3 115 | 2 322 3 465 | 1 357 1 930 | 610 3 517 | 118 1 210 | 69 240 | 18 66 | 37 38 | 70 102 | 6 338 23 082 |
| Hauraki District | 0 | 4 201 297 | 924 | 1 275 | 498 | 195 | 36 | 240 6 | 00 | 0 | 6 | 3 237 |
| Waikato District | 1 210 | 2 736 | 4 743 | 5 098 | 1 174 | 434 | 62 | 8 | 12 | 4 | 1 | 15 482 |
| Matamata-Piako District | 385 | 179 | 160 | 420 | 97 | 76 | 73 | 4 | 0 | 0 | 3 | 1 397 |
| Region total | 7 179 | 9 087 | 11 122 | 14 685 | 5 374 | 5 377 | 1 666 | 576 | 113 | 79 | 187 | 55 445 |
| CENTRAL NORTH ISLAND WOOD SUPPLY REGION | | | | | | | | | | | | |
| Hamilton City Waipa District | 0 5 | 0 188 | 0 1 335 | 0 696 | 0 143 | 1 152 | 0 166 | 0 27 | $0\\4$ | 0 | 0 2 | 1 2 718 |
| Otorohanga District | 0 | 1 268 | 1 1 1 3 8 | 1 753 | 281 | 372 | 81 | 18 | 132 | 0 | 2 | 5 045 |
| South Waikato District | 7 815 | 13 730 | 14 566 | 14 255 | 11 160 | 4 3 4 6 | 196 | 28 | 48 | 1 | 110 | 66 255 |
| Waitomo District | 4 788 | 4 311 | 7 039 | 6 532 | 1 078 | 1 017 | 242 | 267 | 316 | 130 | 4 | 25 724 |
| Taupo District Tauranga District | 22 055 0 | 32 426 13 | 31 796 50 | 19 245 39 | 28 124 17 | 28 068 6 | 7 186 0 | 1 360 0 | 814 0 | 16 0 | 43 0 | 171 133 125 |
| Ruapehu District | 2 181 | 4 168 | 17 848 | 8 1 1 8 | 5 783 | 6 085 | 1 716 | 47 | 97 | 1 | 136 | 46 180 |
| Western Bay of Plenty District | 2 189 | 3 101 | 4 813 | 6 556 | 4 876 | 1 556 | 293 | 28 | 24 | С | С | 23 554 |
| Rotorua District Kawerau District | 7 249 0 | 11 376 0 | 11 606 34 | 7 910 0 | 7 926 0 | 2 357 0 | 1 158 0 | 793 0 | 344 0 | 20 0 | 215 0 | 50 954 34 |
| Whakatane District | 13 341 | 16 640 | 26 291 | 21 530 | 13 525 | 10 188 | 2 138 | 890 | 452 | C | C | 105 137 |
| Opotiki District | 1 022 | 1 367 | 1 302 | 1 021 | 5 092 | 5 996 | 749 | 10 | 0 | 0 | 0 | 16 559 |
| Region total | 60 645 | 88 588 | 117 818 | 87 655 | 78 005 | 60 144 | 13 925 | 3 468 | 2 231 | 338 | 602 | 513 419 |
| EAST COAST WOOD SUPPLY REGION | | | | | | | | | | | | |
| Gisborne District | 10 104 | 21 714 | 36 349 | 43 808 | 18 670 | 19 155 | 4 062 | 1 234 | 1 146 | 113 | 51 | 156 406 |
| Region total | 10 104 | 21 714 | 36 349 | 43 808 | 18 670 | 19 155 | 4 062 | 1 234 | 1 146 | 113 | 51 | 156 406 |
| HAWKE'S BAY WOOD SUPPLY REGION | 6 200 | 0.712 | 10.064 | 15 (22 | 1 012 | 6 200 | 1.2(0) | 71 | 101 | 12 | 20 | 50.000 |
| Wairoa District Hastings District | 6 299 6 959 | 9 712 12 487 | 10 964 13 304 | 15 633 17 082 | 1 813 4 011 | 6 380 5 091 | 1 260 1 044 | 71 381 | 121 76 | 42 74 | 28 5 | 52 323 60 514 |
| Napier City | 0 | 0 | 45 | 29 | 6 | 53 | 1 0 1 1 | 5 | 0 | 0 | 0 | 139 |
| Central Hawke's Bay District | 553 | 1 422 | 5 914 | 4 752 | 1 045 | 806 | 373 | 124 | 69 | 38 | 72 | 15 168 |
| Region total | 13 811 | 23 621 | 30 227 | 37 496 | 6 875 | 12 330 | 2 678 | 581 | 266 | 154 | 105 | 128 144 |
| SOUTHERN NORTH ISLAND WOOD SUPPLY REGION | | | | | | | | | | | | |
| New Plymouth District | 176 | 641 | 1 146 | 1 209 | 515 | 220 | 137 | 30 | 2 | 0 | 2 3 | 4 078 |
| Stratford District South Taranaki District | 352 37 | 557 1 020 | 670 2 728 | 3 186 4 040 | 333 1 291 | 814 458 | 49 270 | 10 35 | 230 22 | 198 5 | 3 5 | 6 402 9 911 |
| Wanganui District | 2 653 | 3 880 | 6 483 | 10 193 | 4 188 | 1 621 | 261 | 57 | 152 | 0 | 16 | 29 504 |
| Rangitikei District | 568 | 2 541 | 9 1 1 3 | 5 937 | 1 513 | 826 | 387 | 359 | 261 | 52 | 17 | 21 574 |
| Manawatu District Palmerston North City | 103 489 | 819 164 | 1 008 181 | 3 010 699 | 489 70 | 724 108 | 534 500 | 107 89 | 27 0 | 4 0 | 13 0 | 6 838 2 300 |
| Horowhenua District | 768 | 1 104 | 656 | 2 821 | 519 | 447 | 336 | 90 | 78 | 35 | 31 | 6 889 |
| Tararua District | 409 | 1 638 | 5 039 | 4 970 | 840 | 1 054 | 477 | 177 | 52 | 13 | 4 | 14 673 |
| Kapiti Coast District | 70 653 | 372 | 711 | 1 292 | 521 | 525 | 188 | 14 | 3 | 0 19 | 0 | 3 696 |
| Upper Hutt City Porirua City | 653 0 | 1 009 55 | 977 34 | 741 805 | 972 721 | 1 214 221 | 540 13 | 55 60 | 200 3 | 19 | 24 0 | 6 404 1 912 |
| Wellington City | 0 | 36 | 53 | 308 | 70 | 14 | 2 | 0 | 0 | 0 | 0 | 483 |
| Lower Hutt City | 0 | 10 | 52 | 50 | 15 | 97 | 61 | 14 | 0 | 0 | 0 | 299 |
| Masterton District Carterton District | 2 474 962 | 4 119 1 193 | 7 363 5 126 | 10 686 2 316 | 2 637 1 124 | 3 990 629 | 1 178 573 | 308 127 | 439 116 | 37 4 | 18 0 | 33 249 12 170 |
| South Wairarapa District | 143 | 1 380 | 2 432 | 2 689 | 775 | 387 | 305 | 127 | 76 | 6 | 1 | 8 316 |
| Region total | 9 857 | 20 542 | 43 772 | 54 952 | 16 593 | 13 349 | 5 811 | 1 654 | 1 661 | 373 | 134 | 168 698 |
| North Island total | 120 000 | 188 586 | 275 212 | 273 567 | 159 419 | 140 851 | 36 557 | 9 284 | 5 859 | 1 1 1 1 1 | 1 166 | 1 211 612 |
| | 120 000 | 100 300 | 273212 | 2/3 30/ | 139 419 | 140 001 | 30 337 | 7 204 | 5 059 | 1111 | 1 100 | 1 211 012 |

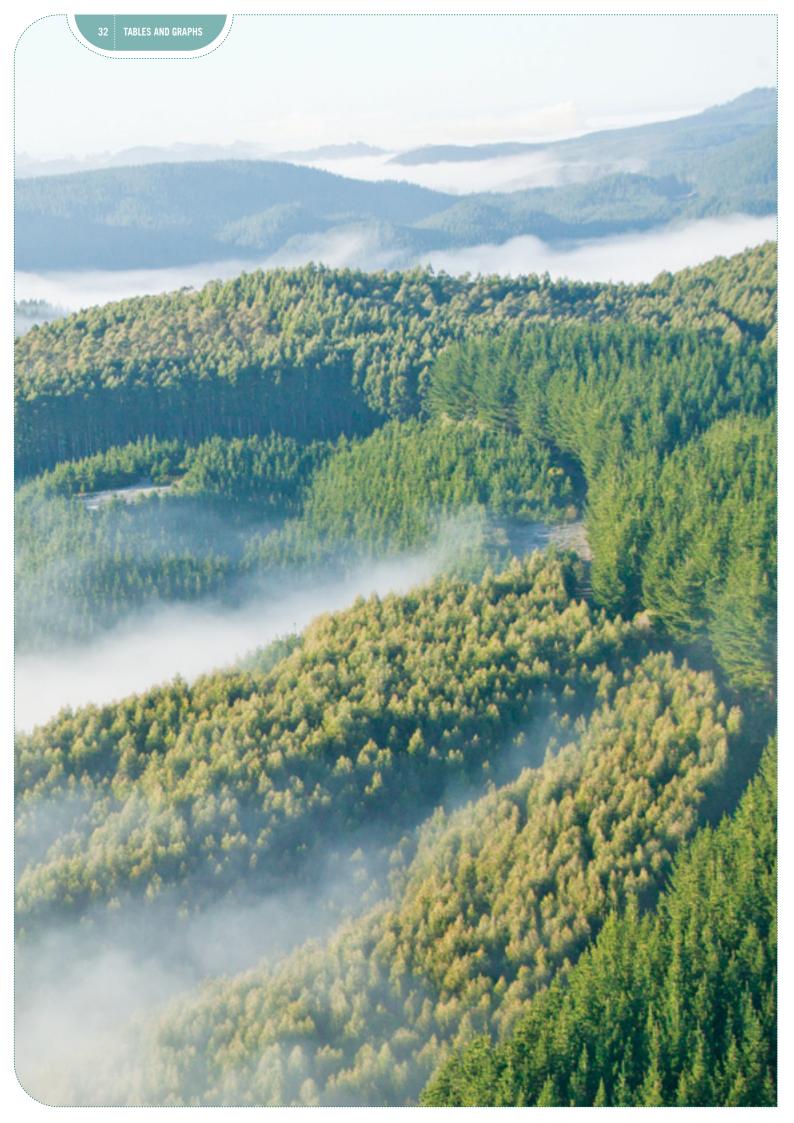
>>> TABLE 9.9 CONTINUED...

| | AGE CLASS YEARS | | | | | | | | | | | |
|---|----------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|---------------|
| TERRITORIAL AUTHORITY | 1–5 Years (Ha) | 6–10 Years (Ha) | 11–15 Years (Ha) | 16–20 YEARS (HA) | 21–25 Years (Ha) | 26–30 Years (Ha) | 31–35 Years (Ha) | 36–40 YEARS (HA) | 41–50 Years (Ha) | 51–60 Years (Ha) | 61–80 Years (HA) | TOTAL (HA) |
| NELSON AND MARLBOROUGH WOOD SUPPLY REGION | | | | | | | | | | | | |
| Tasman District | 14 841 | 15 073 | 15 012 | 20 338 | 8 746 | 7 189 | 3 4 3 8 | 856 | 356 | 77 | 114 | 86 040 |
| Nelson City | 2 239 | 1 559 | 1 349 | 1 803 | 630 | 1 073 | 175 | 97 | 38 | 36 | 2 | 9 001 |
| Marlborough District | 6 739 | 8 280 | 13 605 | 20 951 | 8 898 | 8 896 | 2 388 | 753 | 215 | 46 | 11 | 70 782 |
| Kaikoura District | 9 | 137 | 465 | 439 | 50 | 90 | 65 | 22 | 38 | 6 | 0 | 1 321 |
| Region total | 23 828 | 25 049 | 30 431 | 43 531 | 18 324 | 17 248 | 6 066 | 1 728 | 647 | 165 | 127 | 167 144 |
| WEST COAST WOOD SUPPLY REGION | | | | | | | | | | | | |
| Buller District | 463 | 331 | 958 | 807 | 362 | 474 | 188 | 12 | 16 | 4 | 20 | 3 635 |
| Grey District | 2 517 | 3 002 | 2 257 | 2 059 | 687 | 2 489 | 526 | 193 | 457 | 50 | 0 | 14 237 |
| Westland District | 2 677 | 2 520 | 4 357 | 2 395 | 980 | 1 100 | 418 | 171 | 61 | 6 | 28 | 14 713 |
| Region total | 5 657 | 5 853 | 7 572 | 5 261 | 2 0 2 9 | 4 063 | 1 132 | 376 | 534 | 60 | 48 | 32 585 |
| CANTERBURY WOOD SUPPLY REGION | | | | | | | | | | | | |
| Hurunui District | 3 427 | 7 250 | 10 463 | 8 0 4 3 | 4044 | 3 486 | 1 185 | 270 | 416 | 54 | 102 | 38 740 |
| Waimakariri District | 556 | 1 271 | 2 974 | 4 4 5 4 | 1 821 | 564 | 186 | 124 | 59 | 42 | 2 | 12 053 |
| Selwyn District | 561 | 902 | 2 087 | 2 912 | 1 969 | $1\ 044$ | 382 | 408 | 203 | 24 | 27 | 10 519 |
| Christchurch City | 284 | 927 | 2 0 9 4 | 4 618 | 770 | 699 | 338 | 109 | 12 | 4 | 47 | 9 902 |
| Ashburton District | 306 | 416 | 1 004 | 732 | 456 | 445 | 195 | 137 | 39 | 48 | 28 | 3 806 |
| Mackenzie District | 320 | 752 | 753 | 1 822 | 263 | 315 | 197 | 131 | 258 | 78 | 34 | 4 923 |
| Timaru District | 621 | 2 974 | 2 528 | 2 326 | 1 657 | 749 | 534 | 232 | 188 | 13 | 42 | 11 864 |
| Waimate District | 680 | 1 000 | 5 175 | 1 975 | 856 | 1 478 | 210 | 40 | 52 | 31 | 18 | 11 515 |
| Region total | 6 755 | 15 492 | 27 078 | 26 882 | 11 836 | 8 780 | 3 227 | 1 451 | 1 227 | 294 | 300 | 103 322 |
| OTAGO AND SOUTHLAND WOOD SUPPLY REGION | | | | | | | | | | | | |
| Waitaki District | 724 | 3 156 | 7 413 | 3 450 | 1 538 | 1 330 | 410 | 120 | 113 | 39 | 10 | 18 303 |
| Queenstown-Lakes District | 3 | 27 | 74 | 181 | 201 | 126 | 103 | 6 | 9 | 20 | 7 | 757 |
| Central Otago District | 471 | 619 | 2 659 | 1 639 | 259 | 451 | 386 | 245 | 413 | 44 | 105 | 7 291 |
| Dunedin City | 1 313 | 879 | 1 742 | 3 528 | 2 936 | 2 873 | 636 | 158 | 55 | 44 | 47 | 14 211 |
| Clutha District | 8 243 | 15 426 | 22 836 | 18 503 | 6 188 | 7 110 | 1 944 | 383 | 449 | 83 | 112 | 81 277 |
| Southland District | 5 691 | 15 638 | 25 236 | 17 180 | 5 916 | 5 416 | 1 916 | 524 | 409 | 57 | 15 | 77 998 |
| Gore District | 104 | 110 | 2 340 | 1 298 | 118 | 165 | 44 | 8 | 54 | 5 | 0 | 4 246 |
| Invercargill City | 8 | 67 | 99 | 183 | 83 | 114 | 99 | 23 | 7 | 5 | 0 | 688 |
| Region total | 16 557 | 35 922 | 62 399 | 45 962 | 17 239 | 17 585 | 5 538 | 1 467 | 1 509 | 297 | 296 | 204 771 |
| South Island total | 52 797 | 82 316 | 127 480 | 121 636 | 49 428 | 47 676 | 15 963 | 5 022 | 3 917 | 816 | 771 | 507 822 |
| New Zealand total | 172 797 | 270 902 | 402 692 | 395 203 | 208 847 | 188 527 | 52 520 | 14 306 | 9 776 | 1 927 | 1 937 | 1 719 434 |

Note
1. Net stocked planted production forest area.

Symbol C Confidential.



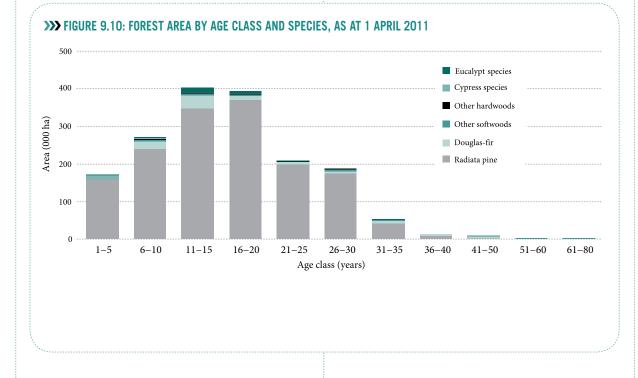


SPECIES

This section presents detailed information for each NEFD species group, showing the forest areas for each territorial authority by five-yearly age classes. Figure 9.10 provides an overview of this by illustrating the species composition by age class.

The following six tables provide information about the net stocked forest area planted in:

- Radiata pine;
- Douglas-fir;
- cypress species;
- other softwoods;
- eucalypt species;
- other hardwoods.



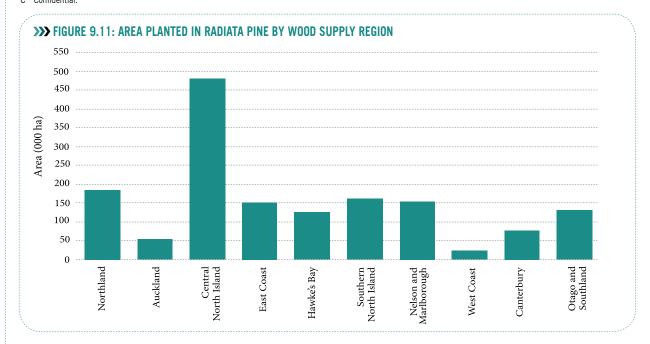
>>> TABLE 9.10: AREA¹ PLANTED IN RADIATA PINE BY TERRITORIAL AUTHORITY, AS AT 1 APRIL 2011

| TERRITORIAL AUTHORITY (1 NORTHLAND WOOD SUPPLY REGION Far North District 95 | A) (HA) | 11–15 YEARS (HA) | 16–20 Years (Ha) | 21–25 YEARS | 26–30 Years | 31-35 | 36–40 | 41-50 | 51-60 | 61-80 | |
|---|--|---|---|---|--|---|--|--|---|--|---|
| Far North District9 5 | | | (117) | (HA) | (HA) | YEARS (HA) | YEARS (HA) | YEARS (HA) | YEARS (HA) | YEARS (HA) | TOTAL (HA) |
| Whangarei District2 4Kaipara District2 4Rodney District3 8Region total18 2 | 513 501103 471327 125 | 11 574 5 826 8 679 8 037 34 116 | 15 110 5 969 7 237 5 793 34 109 | 15 105 5 975 10 807 1 785 33 672 | 17 513 6 753 4 554 1 306 30 126 | 5 459 867 450 1 365 8 141 | 1 029 182 146 335 1 692 | 96 129 44 112 381 | 2 2 10 4 18 | 0 3 4 12 19 | 85 256 31 658 37 812 29 706 184 432 |
| Papakura District1Franklin District1Thames-Coromandel District5Hauraki District1Waikato District1 | 0 278 04 2 629 35 169 | 0 1 0 967 3 1129 3105 890 4703 140 10 938 | 0 3 0 2 041 30 2 183 3 400 1 268 5 049 401 14 375 | 6 1 0 267 20 1 322 1 905 498 1 146 95 5 260 | 0 0 455 29 584 3 301 194 425 74 5 062 | 3 2 0 77 81 101 1156 36 61 69 1586 | 1 1 0 192 29 60 226 6 8 4 527 | 0 0 11 0 4 63 0 12 0 90 | 0 0 0 33 11 0 4 0 48 | 0 0 0 0 24 28 0 0 0 0 52 | 10 8 0 5 361 204 5 990 22 585 3 170 15 241 1 337 53 906 |
| CENTRAL NORTH ISLAND WOOD SUPPLY REGIONHamilton CityWaipa DistrictOtorohanga DistrictSouth Waikato DistrictSouth Waikato DistrictJaupo DistrictTaupo DistrictTaupo DistrictTaupa CityRuapehu DistrictWestern Bay of Plenty DistrictRotorua DistrictKawerau DistrictWhakatane DistrictWhakatane District13 3Opotiki District10Region total57 6 | 48 4 165 30 851 0 10 73 3 988 12 2 935 07 11 103 0 0 30 16 125 22 1 356 | 0 809 1 086 14 266 6 834 30 118 28 17 438 4 464 10 272 0 23 668 1 292 110 275 | 0 660 1 692 14 176 6 263 17 209 38 7 953 6 408 7 510 0 20 286 1 012 83 207 | 0 139 233 10 671 1 069 27 201 16 5 778 4 831 7 428 0 12 024 5 078 74 468 | 1 149 348 4 324 991 27 059 5 6 065 1 457 1 971 0 8 752 5 995 57 117 | 0 157 81 165 185 6 047 0 1 607 272 343 0 1 407 742 11 006 | 0 27 18 14 8 118 0 21 9 33 0 186 10 444 | 0 0 28 0 82 0 1 6 42 0 56 0 215 | 0 0 1 0 12 0 0 0 12 0 33 0 58 | 0 2 0 77 0 7 0 8 16 0 1 1 0 | 1 2 083 4 655 64 223 22 863 159 810 97 45 024 22 502 45 937 0 95 868 16 507 479 570 |
| EAST COAST WOOD SUPPLY REGION Gisborne District 96 Region total 96 | 52 20 789 | 35 675 35 675 | 43 326 43 326 | 18 510 18 510 | 18 827 18 827 | 3 779 3 779 | 1 183 1 183 | 73 73 | 23 23 | 7 | 151 844 151 844 |
| HAWKE'S BAY WOOD SUPPLY REGIONWairoa District6 2Hastings District6 8Napier City6Central Hawke's Bay District5Region total13 6 | 27 9 270 23 12 413 0 0 53 1 385 | 10 834 13 185 45 5 845 29 909 | 15 595 16 854 23 4 691 37 163 | 1 791 3 974 6 1 024 6 795 | 6 344 4 958 49 761 12 112 | 1 194 996 1 363 2 554 | 67 345 5 104 521 | 15 41 0 44 100 | 4 22 0 11 37 | 0 2 0 15 17 | 51 341 59 613 129 14 796 125 879 |
| Stratford District3South Taranaki District2 6Wanganui District2 6Rangitikei District4Manawatu District1Palmerston North City4Horowhenua District7Tararua District4Kapiti Coast District4Upper Hutt City6Porirua City6Wellington City1Lower Hutt City6Masterton District2 4 | 54 2 214 32 767 39 156 66 1 106 09 1 608 70 362 33 1 000 0 55 0 36 0 10 44 4 031 | 796 657 2 674 6 394 8 843 945 179 632 4 987 685 962 34 53 50 7 273 | $\begin{array}{c} 1 \ 170 \\ 3 \ 124 \\ 3 \ 987 \\ 10 \ 105 \\ 5 \ 819 \\ 2 \ 962 \\ 647 \\ 2 \ 743 \\ 4 \ 948 \\ 1 \ 264 \\ 730 \\ 799 \\ 308 \\ 50 \\ 10 \ 608 \end{array}$ | 503 329 1 270 4 180 1 448 460 69 493 830 518 948 720 70 13 2 614 | 212 808 453 1 612 796 670 108 408 785 518 1 098 220 14 97 3 930 | $ \begin{array}{r} 135 \\ 49 \\ 268 \\ 235 \\ 359 \\ 529 \\ 500 \\ 306 \\ 462 \\ 187 \\ 538 \\ 13 \\ 2 \\ 61 \\ 1142 \\ 142 \\ 538 \\ 13 \\ 2 61 \\ 1142 \\ 538 \\ 13 \\ 2 61 \\ 1142 \\ 538 \\ 13 2 61 \\ 1142 \\ 538 \\ 13 2 61 \\ 1142 \\ 538 \\ 13 2 61 \\ 1142 7 538 7 7 7 7 7 $ | 30 8 35 38 319 104 89 67 166 14 55 60 0 14 298 | 1 0 22 39 188 27 0 33 49 3 197 3 0 0 196 | 0 0 5 0 11 C 0 23 10 0 C 0 0 0 19 | 0 1 2 9 0 C 0 5 2 0 C 0 0 0 0 0 0 0 | 3 427 5 868 9 730 28 904 20 461 6 572 2 237 6 582 14 256 3 621 6 213 1 904 483 295 32 555 |
| | | 5 089 2 419 42 672 263 585 | 2 296 2 575 54 135 266 315 | 1 113 719 16 297 155 002 | 628 386 12 743 135 987 | 555 172 5 513 32 579 | 127 122 1 546 5 913 | 74 69 901 1 760 | 4 1 83 267 | 0 1 48 254 | 12 037 7 976 163 121 1 158 752 |

>>> TABLE 9.10 CONTINUED...

| | | | | | A | GE CLASS YEA | RS | | | | | |
|---|----------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|---------------|
| TERRITORIAL AUTHORITY | 1–5 YEARS (HA) | 6–10 YEARS (HA) | 11–15 YEARS (HA) | 16–20 YEARS (HA) | 21–25 YEARS (HA) | 26–30 Years (Ha) | 31–35 Years (Ha) | 36–40 YEARS (HA) | 41–50 YEARS (HA) | 51–60 YEARS (HA) | 61–80 Years (HA) | TOTAL (HA) |
| NELSON AND MARLBOROUGH WOOD SUPPLY REGION | | | | | | | | | | | | |
| Tasman District | 14 692 | 14 674 | 13 818 | 18 480 | 7 609 | 5 520 | 1 346 | 152 | 214 | 15 | 15 | 76 535 |
| Nelson City | 2 232 | 1 551 | 1 305 | 1 764 | 617 | 781 | 60 | 12 | 1 | 0 | 0 | 8 323 |
| Marlborough District | 6 690 | 7 993 | 12 953 | 20 597 | 8 673 | 7 863 | 1 822 | 648 | 196 | 27 | 2 | 67 464 |
| Kaikoura District | 9 | 129 | 439 | 437 | 50 | 89 | 61 | 0 | 1 | 2 | 0 | 1 217 |
| Region total | 23 623 | 24 347 | 28 515 | 41 278 | 16 949 | 14 253 | 3 289 | 812 | 412 | 44 | 17 | 153 539 |
| WEST COAST WOOD SUPPLY REGION | | | | | | | | | | | | |
| Buller District | 299 | 191 | 761 | 761 | 360 | 422 | 47 | 3 | 4 | 0 | 0 | 2 848 |
| Grey District | 2 154 | 2 697 | 2 057 | 2 028 | 637 | 2 166 | 341 | 73 | 142 | 0 | 0 | 12 295 |
| Westland District | 1 602 | 1 078 | 2 7 3 1 | 1 256 | 412 | 382 | 342 | 169 | 21 | 1 | 0 | 7 994 |
| Region total | 4 055 | 3 966 | 5 549 | 4 045 | 1 409 | 2 970 | 730 | 245 | 167 | 1 | 0 | 23 137 |
| CANTERBURY WOOD SUPPLY REGION | | | | | | | | | | | | |
| Hurunui District | 2 080 | 4 990 | 9 133 | 7 405 | 3 820 | 2 3 3 1 | 542 | 146 | 108 | 14 | 7 | 30 576 |
| Waimakariri District | 533 | 1 221 | 2 897 | 4 200 | 1 778 | 525 | 97 | 16 | 50 | 36 | 2 | 11 355 |
| Selwyn District | 549 | 792 | 1 806 | 2 273 | 1 616 | 914 | 356 | 389 | 46 | 2 | 8 | 8 751 |
| Christchurch City | 283 | 634 | 1 717 | 3 004 | 677 | 632 | 315 | 106 | 7 | 1 | 23 | 7 399 |
| Ashburton District | 288 | 356 | 736 | 589 | 314 | 396 | 173 | 68 | 36 | 6 | 15 | 2 977 |
| Mackenzie District | 165 | 181 | 355 | 1 246 | 118 | 113 | 66 | 57 | 80 | 2 | 0 | 2 383 |
| Timaru District | 336 | 494 | 1 273 | 2 1 1 6 | 1 401 | 612 | 97 | 15 | 21 | 0 | 1 | 6 366 |
| Waimate District | 655 | 644 | 2 7 3 4 | 1 345 | 794 | 1 140 | 127 | 31 | 23 | 24 | 5 | 7 522 |
| Region total | 4 889 | 9 312 | 20 651 | 22 178 | 10 518 | 6 663 | 1 773 | 828 | 371 | 85 | 61 | 77 329 |
| OTAGO AND SOUTHLAND WOOD SUPPLY REGION | | | | | | | | | | | | |
| Waitaki District | 613 | 2 934 | 3 781 | 3 190 | 1 470 | 1 1 3 3 | 294 | 118 | 104 | 24 | 7 | 13 668 |
| Queenstown-Lakes District | 0 | 10 | 18 | 42 | 23 | 36 | 80 | 0 | 4 | 20 | 7 | 240 |
| Central Otago District | 5 | 201 | 284 | 961 | 76 | 268 | 120 | 51 | 9 | 4 | 70 | 2 049 |
| Dunedin City | 1 257 | 781 | 1 500 | 3 256 | 2 729 | 2 260 | 400 | 32 | 42 | 31 | 1 | 12 289 |
| Clutha District | 5 825 | 10 783 | 13 921 | 16 037 | 5 162 | 5 233 | 1 294 | 233 | 51 | 15 | 10 | 58 564 |
| Southland District | 3 514 | 6 944 | 9 690 | 11 327 | 4 876 | 4 097 | 1 023 | 405 | 214 | 16 | 0 | 42 106 |
| Gore District | 6 | 61 | 743 | 1 097 | 73 | 165 | 41 | 8 | 37 | 1 | 0 | 2 232 |
| Invercargill City | 8 | 67 | 99 | 175 | 77 | 113 | 98 | 23 | 7 | 5 | 0 | 672 |
| Region total | 11 228 | 21 781 | 30 036 | 36 085 | 14 486 | 13 305 | 3 350 | 870 | 468 | 116 | 95 | 131 820 |
| South Island total | 43 795 | 59 406 | 84 751 | 103 586 | 43 362 | 37 191 | 9 142 | 2 755 | 1 418 | 246 | 173 | 385 825 |
| New Zealand total | 159 739 | 240 552 | 348 336 | 369 901 | 198 364 | 173 178 | 41 721 | 8 668 | 3 178 | 513 | 427 | 1 544 577 |

Note
1. Net stocked planted production forest area.



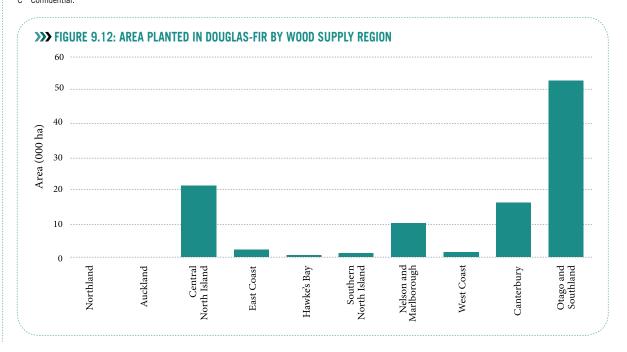
>>> TABLE 9.11: AREA¹ PLANTED IN DOUGLAS-FIR BY TERRITORIAL AUTHORITY, AS AT 1 APRIL 2011

| | | | | | | AGE CLAS | SS YEARS | | | | | |
|--|-------------------------------|-----------------------------------|----------------------------------|---------------------------------|------------------------------|--------------------------------|---------------------------------|------------------------------------|----------------------------------|-------------------------------|--|---------------------------------------|
| TERRITORIAL AUTHORITY | 1–5 Years (Ha) | 6–10 Years (Ha) | 11–15 Years (ha) | 16–20 Years (HA) | 21–25 YEARS (HA) | 26–30 Years (HA) | 31–35 YEARS (HA) | 36–40 Years (HA) | 41–50 Years (Ha) | 51–60 Years (Ha) | 61–80 YEARS (HA) | TOTAL (HA) |
| NORTHLAND WOOD SUPPLY REGION Far North District Whangarei District Kaipara District | 0 0 0 | 0 0 0 | 0 0 0 | 2 0 0 | 0 0 0 | 0 0 0 | 0 0 0 | 2 0 0 | 0 0 0 | 0 0 0 | 0 0 0 | 4 0 0 |
| Rodney District Region total | 0 0 | 0 0 | 0 0 | 0 2 | 0 0 | 0 0 | 0 0 | 0 2 | 0 0 | 0 0 | 0 0 | 0 4 |
| AUCKLAND WOOD SUPPLY REGION North Shore City Waitakere City Auckland City Manukau City Papakura District | 0 0 0 0 0 | 0 0 0 0 0 | 0 0 0 0 0 | 0 0 0 6 0 | 0 0 0 0 0 | 0 0 0 0 0 | 0 0 0 0 0 | 0 0 0 0 0 | 0 0 0 0 0 | 0 0 0 0 0 | 0 0 0 0 0 | 0 0 0 6 0 |
| Franklin District Thames-Coromandel District Hauraki District Waikato District Matamata-Piako District Region total | 0 0 0 0 0 0 | 0 0 0 1 1 | 0 0 0 3 3 | 0 10 0 1 0 17 | 0 0 6 0 6 | 0 0 1 0 1 | 0 0 0 0 0 0 | 0 0 0 0 0 0 | 0 0 0 0 0 0 | 0 0 0 0 0 0 | 0 0 0 0 0 0 | 0 10 0 8 4 28 |
| CENTRAL NORTH ISLAND WOOD SUPPLY REGION Hamilton City Waipa District Otorohanga District South Waikato District Waitomo District | $0 \\ 0 \\ 0 \\ 226 \\ 1 439$ | 0 0 54 216 128 | 0 2 37 11 153 | 0 1 22 4 190 | 0 0 1 0 3 | 0 0 0 2 6 | 0 0 0 0 2 | 0 0 0 6 253 | 0 0 129 9 280 | 0 0 0 0 112 | 0 0 0 7 3 | 0 3 243 481 2 569 |
| Taupo District Tauranga City Ruapehu District Western Bay of Plenty District Rotorua District Kawerau District | 137 0 3 35 0 0 | 1 230 0 148 4 35 0 | 756 0 182 7 487 0 | 988 0 47 5 241 0 | 792 0 0 424 0 | 876 0 4 1 219 0 | 998 0 17 2 769 0 | 1 191 0 23 18 730 0 | 494 0 84 12 262 0 | 0 0 2 6 0 | $ \begin{array}{c} 10 \\ 0 \\ 1 \\ 4 \\ 118 \\ 0 \end{array} $ | 7 472 0 509 90 3 291 0 |
| Whakatane District Opotiki District Region total | 11 0 1 851 | 212 0 2 027 | 1 369 0 3 004 | 793 0 2 291 | 1 413 0 2 633 | 1 313 0 2 421 | 714 0 2 502 | 702 0 2 923 | 386 0 1 656 | 30 0 150 | 38 0 181 | 6 981 0 21 639 |
| EAST COAST WOOD SUPPLY REGION Gisborne District Region total | 332 332 | 716 716 | 510 510 | 271 271 | 0 0 | 1 1 | 3 3 | 2 2 | 525 525 | 1 1 | 0 0 | 2 361 2 361 |
| HAWKE'S BAY WOOD SUPPLY REGION Wairoa District Hastings District Napier City Central Hawke's Bay District Region total | 0 0 0 0 0 | 29 C 0 C 49 | 12 21 0 7 40 | 1 139 0 23 163 | 0 0 1 1 | 0 51 0 0 51 | 2 8 0 1 11 | 4 26 0 0 30 | 73 21 0 7 101 | 3 C 0 C 38 | 3 C 0 C 5 | 127 306 0 56 489 |
| SOUTHERN NORTH ISLAND WOOD SUPPLY REGION New Plymouth District Stratford District South Taranaki District Wanganui District Rangitikei District | 0 0 0 0 1 | 0 1 0 0 C | 0 1 0 10 C | 0 0 0 1 C | 0 0 0 0 0 | 0 0 1 0 1 | 0 0 0 0 8 | 0 1 0 10 1 | 0 230 0 40 5 | 0 198 0 0 6 | 0 0 0 0 1 | 0 431 1 61 135 |
| Manawatu District Palmerston North City Horowhenua District Tararua District Kapiti Coast District | 0 0 0 0 | C 0 6 1 | C 0 0 17 2 | C 0 0 0 | 6 0 1 0 0 | 4 0 1 0 | 2 0 0 0 0 | 1 0 10 0 | 0 0 13 0 0 | 0 0 3 0 | 0 0 0 0 | 20 0 14 37 3 |
| Upper Hutt City Porirua City Wellington City Lower Hutt City Masterton District Carterton District | 0 0 0 0 0 | 8 0 0 0 6 2 | 11 0 0 0 11 22 | 1 0 0 4 1 | 1 0 0 0 0 0 | 7 0 0 0 0 0 | 2 0 0 0 5 0 | 0 0 0 6 0 | 3 0 0 191 0 | 2 0 0 0 10 0 | 0 0 0 0 0 | 35 0 0 233 25 |
| South Wairarapa District Region total | 0 | 0 36 | 0 131 | 0 57 | 0 8 | 1 15 | 0 17 | 0 29 | 7 489 | 0 219 | 0 | 8 1 003 |
| North Island total | 2 184 | 2 829 | 3 688 | 2 801 | 2 648 | 2 489 | 2 533 | 2 986 | 2 771 | 408 | 187 | 25 524 |

>>> TABLE 9.11 CONTINUED...

| | | | | | | AGE CLASS | YEARS | | | | | |
|---|----------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|---------------|
| TERRITORIAL AUTHORITY | 1–5 Years (Ha) | 6–10 Years (Ha) | 11–15 Years (Ha) | 16–20 YEARS (HA) | 21–25 Years (Ha) | 26–30 Years (Ha) | 31–35 YEARS (HA) | 36–40 Years (Ha) | 41–50 Years (Ha) | 51–60 Years (Ha) | 61–80 Years (Ha) | TOTAL (HA) |
| NELSON AND MARLBOROUGH WOOD SUPPLY REGION | | | | | | | | | | | | |
| Tasman District | 119 | 247 | 1 013 | 1 534 | 998 | 1 240 | 1 632 | 555 | 78 | 35 | 9 | 7 460 |
| Nelson City | 7 | 4 | 34 | 28 | 2 | 228 | 100 | 70 | 29 | 11 | 0 | 513 |
| Marlborough District | 13 | 78 | 404 | 111 | 102 | 793 | 462 | 69 | 9 | 5 | 2 | 2 048 |
| Kaikoura District | 0 | 0 | 19 | 2 | 0 | 1 | 0 | 22 | 37 | 4 | 0 | 85 |
| Region total | 139 | 329 | 1 470 | 1 675 | 1 102 | 2 262 | 2 194 | 716 | 153 | 55 | 11 | 10 106 |
| WEST COAST WOOD SUPPLY REGION | | | | | | | | | | | | |
| Buller District | 164 | 139 | 184 | 8 | 2 | 5 | 37 | 1 | 1 | 4 | 0 | 545 |
| Grey District | 233 | 146 | 175 | 0 | 0 | 37 | 24 | 47 | 204 | 1 | 0 | 867 |
| Westland District | 0 | 0 | 12 | 2 | 0 | 14 | 0 | 0 | 11 | 0 | 0 | 39 |
| Region total | 397 | 285 | 371 | 10 | 2 | 56 | 61 | 48 | 216 | 5 | 0 | 1 451 |
| CANTERBURY WOOD SUPPLY REGION | | | | | | | | | | | | |
| Hurunui District | 380 | 1 316 | 1 256 | 554 | 208 | 512 | 428 | 65 | 128 | 2 | 6 | 4 855 |
| Waimakariri District | 2 | 50 | 39 | 21 | 6 | 25 | 30 | 96 | 9 | 5 | 0 | 283 |
| Selwyn District | 10 | 95 | 170 | 449 | 288 | 112 | 20 | 11 | 124 | 17 | 9 | 1 305 |
| Christchurch City | 0 | 3 | 42 | 35 | 28 | 14 | 9 | 0 | 3 | 0 | 0 | 134 |
| Ashburton District | 15 | 38 | 172 | 83 | 74 | 28 | С | С | 3 | С | С | 518 |
| Mackenzie District | 131 | 561 | 333 | 295 | 74 | 45 | С | С | 18 | С | С | 1 544 |
| Timaru District | 243 | 2 459 | 985 | 48 | 83 | 12 | 367 | 200 | 104 | 7 | 29 | 4 537 |
| Waimate District | 17 | 277 | 2 220 | 545 | 26 | 98 | 9 | 5 | 17 | 7 | 7 | 3 228 |
| Region total | 798 | 4 799 | 5 217 | 2 030 | 787 | 846 | 959 | 456 | 406 | 52 | 54 | 16 404 |
| OTAGO AND SOUTHLAND WOOD SUPPLY REGION | | | | | | | | | | | | |
| Waitaki District | 79 | 195 | 3 497 | 85 | 10 | 116 | 75 | 2 | 3 | 0 | 0 | 4 062 |
| Queenstown-Lakes District | 0 | 12 | 55 | 117 | 165 | 90 | 23 | 6 | 2 | 0 | 0 | 470 |
| Central Otago District | 366 | 360 | 2 1 3 3 | 139 | 76 | 71 | 41 | 50 | 42 | 7 | 0 | 3 285 |
| Dunedin City | 42 | 84 | 221 | 95 | 80 | 559 | 196 | 125 | 12 | 0 | 15 | 1 429 |
| Clutha District | 2 218 | 4 305 | 7 647 | 2 083 | 835 | 1 285 | 515 | 126 | 315 | 19 | 6 | 19 354 |
| Southland District | 1 060 | 7 188 | 10 652 | 2 570 | 214 | 1 010 | 407 | 48 | 185 | 1 | 0 | 23 335 |
| Gore District | 0 | 43 | 1 011 | 57 | 4 | 0 | 3 | 0 | 15 | 4 | 0 | 1 137 |
| Invercargill City | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Region total | 3 765 | 12 187 | 25 216 | 5 146 | 1 384 | 3 131 | 1 260 | 357 | 574 | 31 | 21 | 53 072 |
| South Island total | 5 099 | 17 600 | 32 274 | 8 861 | 3 275 | 6 295 | 4 474 | 1 577 | 1 349 | 143 | 86 | 81 033 |
| New Zealand total | 7 283 | 20 429 | 35 962 | 11 662 | 5 923 | 8 784 | 7 007 | 4 563 | 4 1 2 0 | 551 | 273 | 106 557 |

Note
1. Net stocked planted production forest area.



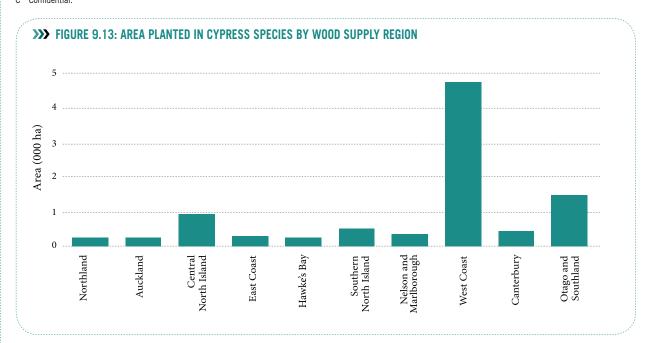
>>> TABLE 9.12: AREA' PLANTED IN CYPRESS SPECIES BY TERRITORIAL AUTHORITY, AS AT 1 APRIL 2011

| TestPoint Latenery 1-58 (04) 1-58 (04) 1-58 (04) 19-38 (04) 19 | | | | | | | AGE CLAS | SS YEARS | | | | | |
|--|--|--|---|--|--|---|---|---|---|--|--|---|---|
| MARLAN WOD SUPY HEAN Far Varifiel Diariet 1 | | YEARS | YEARS | YEARS | YEARS | YEARS | YEARS | YEARS | YEARS | YEARS | YEARS | YEARS | TOTAL (HA) |
| North Store City 0 | NORTHLAND WOOD SUPPLY REGION Far North District Whangarei District Kaipara District Rodney District | 3 0 0 2 | 24 0 21 15 | 26 9 0 32 | 61 14 6 7 | 1 0 0 15 | C 0 0 C | 11 2 0 0 | C 0 0 C | 0 0 0 0 | 0 0 0 0 | 0 0 0 0 | 139 25 27 74 265 |
| Hamilton City000 <t< td=""><td>North Shore City Waitakere City Auckland City Manukau City Papakura District Franklin District Thames-Coromandel District Hauraki District Waikato District Matamata-Piako District</td><td>0 0 12 0 0 0 0 0 0 0 0</td><td>0 0 41 0 1 0 0 0 0 0</td><td>0 0 0 4 2 0 0 0 0</td><td>0 0 53 3 0 0 0</td><td>0 0 0 1 21 0 0 0</td><td>0 0 0 0 119 0 2 0</td><td>0 0 0 0 0 0 0 0 0 0 0 0</td><td>0 0 4 0 0 0 0 0 0 0 0</td><td>0 0 1 0 0 0 0 0 0 0</td><td>0 0 0 0 0 0 0 0 0</td><td>0 0 0 0 0 0 0 0 0</td><td>0 0 58 0 59 145 0 2 0 0 264</td></t<> | North Shore City Waitakere City Auckland City Manukau City Papakura District Franklin District Thames-Coromandel District Hauraki District Waikato District Matamata-Piako District | 0 0 12 0 0 0 0 0 0 0 0 | 0 0 41 0 1 0 0 0 0 0 | 0 0 0 4 2 0 0 0 0 | 0 0 53 3 0 0 0 | 0 0 0 1 21 0 0 0 | 0 0 0 0 119 0 2 0 | 0 0 0 0 0 0 0 0 0 0 0 0 | 0 0 4 0 0 0 0 0 0 0 0 | 0 0 1 0 0 0 0 0 0 0 | 0 0 0 0 0 0 0 0 0 | 0 0 0 0 0 0 0 0 0 | 0 0 58 0 59 145 0 2 0 0 264 |
| Gisborne District2372434115322433222Region total2372434115322433222HAWKE'S BAY WOOD SUPPLY REGION $\ 0$ 12454000000000000Hasting District26192290100 <td>Hamilton City Waipa District Otorohanga District South Waikato District Waitomo District Taupo District Tauranga City Ruapehu District Western Bay of Plenty District Rotorua District Kawerau District Whakatane District Opotiki District</td> <td>0 0 2 0 208 0 0 16 0 0 0 0 0 0</td> <td>$\begin{array}{c} 0\\ 0\\ 0\\ 106\\ 0\\ 1\\ 30\\ 144\\ 0\\ 78\\ 0\\ \end{array}$</td> <td>0 0 0 64 0 12 1 0 70 0</td> <td>0 0 10 1 3 0 0 2 9 0 2 0 2 0</td> <td>0 4 9 0 0 0 0 0 8 0 25 1</td> <td>0 0 0 7 0 1 8 40 0 39 0</td> <td>0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>0 0 0 0 0 0 4 0 0 0 0 0 0</td> <td>0 0 0 0 0 0 0 0 0 0 4 4 0</td> <td>0 0 0 0 12 0 1 0 0 0 0 0</td> <td>0 0 4 21 1 388 0 14 72 203 0 218 1 922</td> | Hamilton City Waipa District Otorohanga District South Waikato District Waitomo District Taupo District Tauranga City Ruapehu District Western Bay of Plenty District Rotorua District Kawerau District Whakatane District Opotiki District | 0 0 2 0 208 0 0 16 0 0 0 0 0 0 | $\begin{array}{c} 0\\ 0\\ 0\\ 106\\ 0\\ 1\\ 30\\ 144\\ 0\\ 78\\ 0\\ \end{array}$ | 0 0 0 64 0 12 1 0 70 0 | 0 0 10 1 3 0 0 2 9 0 2 0 2 0 | 0 4 9 0 0 0 0 0 8 0 25 1 | 0 0 0 7 0 1 8 40 0 39 0 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 0 0 0 0 0 4 0 0 0 0 0 0 | 0 0 0 0 0 0 0 0 0 0 4 4 0 | 0 0 0 0 12 0 1 0 0 0 0 0 | 0 0 4 21 1 388 0 14 72 203 0 218 1 922 |
| Wairoa District012454000000000Hastings District261922901000 <td>Gisborne District</td> <td></td> <td>289 289</td> | Gisborne District | | | | | | | | | | | | 289 289 |
| New Plymouth District000030001Stratford District1004000001South Taranaki District070290000000Wanganui District09520080314000Rangitikei District421CC91673951000Manawatu District000000000000Palmerston North City0000000000000Horowhenua District2060121722143151717Tararua District0000000000000Upper Hut City000 | Wairoa District Hastings District Napier City Central Hawke's Bay District | 26 0 0 | 19 0 3 | 22 0 4 | 9 0 0 | 0 0 0 | 1 0 29 | 0 0 5 | 0 0 2 | 0 0 0 | 0 0 0 | 0 0 0 | 178 77 0 43 298 |
| South Wairarapa District 0 2 0 0 2 0 <td>New Plymouth District Stratford District South Taranaki District Wanganui District Rangitikei District Manawatu District Palmerston North City Horowhenua District Tararua District Kapiti Coast District Upper Hutt City Porirua City Wellington City Lower Hutt City Masterton District Carterton District South Wairarapa District Region total</td> <td>1 0 4 0 2 0 0 0 0 0 0 0 0 0 0 0 0 7</td> <td>0 7 95 21 0 0 0 0 0 0 0 0 0 0 0 0 0 2 125</td> <td>0 0 2 C 0 6 0 3 1 0 0 0 9 0 0 0 45</td> <td>4 2 0 C 0 0 0 0 0 0 0 0 0 0 0 0 11 1 1 0 24</td> <td>0 9 0 9 7 0 12 0 0 2 0 0 0 0 1 1 0 2 42</td> <td>0 0 8 16 13 0 17 0 6 0 0 0 0 3 0 0 66</td> <td>0 0 7 0 22 0 0 0 0 0 0 0 0 0 0 4 0 0 33</td> <td>0 0 3 39 2 0 14 0 0 0 0 0 0 0 0 0 0 58</td> <td>0 0 14 51 0 0 31 0 0 0 0 0 0 0 0 0 0 96</td> <td>0 0 0 0 5 0 0 0 0 0 0 0 0 0 0 5 5 5 5 5</td> <td>1 0 0 0 0 17 0 0 0 0 0 0 0 0 0 0 0 0 0 0</td> <td>4 6 18 122 164 35 0 126 0 9 3 0 0 0 0 28 1 4 520 2 558</td> | New Plymouth District Stratford District South Taranaki District Wanganui District Rangitikei District Manawatu District Palmerston North City Horowhenua District Tararua District Kapiti Coast District Upper Hutt City Porirua City Wellington City Lower Hutt City Masterton District Carterton District South Wairarapa District Region total | 1 0 4 0 2 0 0 0 0 0 0 0 0 0 0 0 0 7 | 0 7 95 21 0 0 0 0 0 0 0 0 0 0 0 0 0 2 125 | 0 0 2 C 0 6 0 3 1 0 0 0 9 0 0 0 45 | 4 2 0 C 0 0 0 0 0 0 0 0 0 0 0 0 11 1 1 0 24 | 0 9 0 9 7 0 12 0 0 2 0 0 0 0 1 1 0 2 42 | 0 0 8 16 13 0 17 0 6 0 0 0 0 3 0 0 66 | 0 0 7 0 22 0 0 0 0 0 0 0 0 0 0 4 0 0 33 | 0 0 3 39 2 0 14 0 0 0 0 0 0 0 0 0 0 58 | 0 0 14 51 0 0 31 0 0 0 0 0 0 0 0 0 0 96 | 0 0 0 0 5 0 0 0 0 0 0 0 0 0 0 5 5 5 5 5 | 1 0 0 0 0 17 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 4 6 18 122 164 35 0 126 0 9 3 0 0 0 0 28 1 4 520 2 558 |

>>> TABLE 9.12 CONTINUED...

| | | | | | | AGE CLAS | S YEARS | | | | | |
|---|----------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|---------------|
| TERRITORIAL AUTHORITY | 1–5 YEARS (HA) | 6–10 YEARS (HA) | 11–15 YEARS (HA) | 16–20 YEARS (HA) | 21–25 Years (Ha) | 26–30 Years (HA) | 31–35 YEARS (HA) | 36–40 Years (Ha) | 41–50 Years (Ha) | 51–60 Years (HA) | 61–80 YEARS (HA) | TOTAL (HA) |
| NELSON AND MARLBOROUGH WOOD SUPPLY REGION | | | | | | | | | | | | |
| Tasman District | 5 | 13 | 28 | 52 | 0 | 0 | 0 | 3 | 0 | 0 | 2 | 103 |
| Nelson City | 0 | 4 | 8 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 |
| Marlborough District | 6 | 55 | 88 | 51 | 6 | 16 | 2 | 1 | 0 | 0 | 1 | 226 |
| Kaikoura District | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| Region total | 11 | 80 | 124 | 108 | 6 | 16 | 2 | 4 | 0 | 0 | 3 | 354 |
| WEST COAST WOOD SUPPLY REGION | | | | | | | | | | | | |
| Buller District | 0 | 0 | 3 | 2 | 0 | 11 | 0 | 0 | 0 | 0 | 10 | 26 |
| Grey District | 41 | 110 | 20 | 16 | 26 | 85 | 10 | 0 | 0 | 13 | 0 | 321 |
| Westland District | 996 | 1 235 | 1 312 | 483 | 68 | 310 | 23 | 0 | 0 | 0 | 1 | 4 428 |
| Region total | 1 037 | 1 345 | 1 335 | 501 | 94 | 406 | 33 | 0 | 0 | 13 | 11 | 4 775 |
| CANTERBURY WOOD SUPPLY REGION | | | | | | | | | | | | |
| Hurunui District | 54 | 34 | 3 | 5 | 1 | 0 | 0 | 0 | 0 | 3 | 7 | 107 |
| Waimakariri District | 0 | 0 | 8 | 12 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 25 |
| Selwyn District | 0 | 0 | 5 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 |
| Christchurch City | 0 | 0 | 68 | 135 | 0 | 3 | 0 | 0 | 1 | 1 | 0 | 208 |
| Ashburton District | 0 | 2 | 14 | 6 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 24 |
| Mackenzie District | 0 | 1 | 0 | 22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23 |
| Timaru District | 0 | 0 | 11 | 14 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 30 |
| Waimate District | 0 | 14 | 7 | 5 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 39 |
| Region total | 54 | 51 | 116 | 206 | 21 | 8 | 0 | 0 | 1 | 4 | 7 | 468 |
| OTAGO AND SOUTHLAND WOOD SUPPLY REGION | | | | | | | | | | | | |
| Waitaki District | 3 | 6 | 14 | 3 | 13 | 0 | 1 | 0 | 0 | 5 | 0 | 45 |
| Queenstown-Lakes District | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Central Otago District | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dunedin City | 12 | 8 | 12 | 58 | 63 | 0 | 0 | 0 | 0 | 0 | 0 | 153 |
| Clutha District | 117 | 260 | 219 | 107 | 76 | 98 | 1 | 1 | 0 | 4 | 9 | 892 |
| Southland District | 45 | 70 | 120 | 10 | 9 | 98 | 18 | 0 | 0 | 0 | 0 | 370 |
| Gore District | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Invercargill City Region total | 0 177 | 0 344 | 0 365 | 5 183 | 6 167 | 1 197 | 1 21 | 0 | 0 0 | 0 9 | 0 9 | 13 1 473 |
| - | | | | | | | | | | - | | |
| South Island total | 1 279 | 1 820 | 1 940 | 998 | 288 | 627 | 56 | 5 | 1 | 26 | 30 | 7 070 |
| New Zealand total | 1 578 | 2 624 | 2 328 | 1 243 | 430 | 974 | 131 | 85 | 134 | 37 | 64 | 9 628 |

Note
1. Net stocked planted production forest area.



>>> TABLE 9.13: AREA¹ PLANTED IN OTHER SOFTWOODS² BY TERRITORIAL AUTHORITY, AS AT 1 APRIL 2011

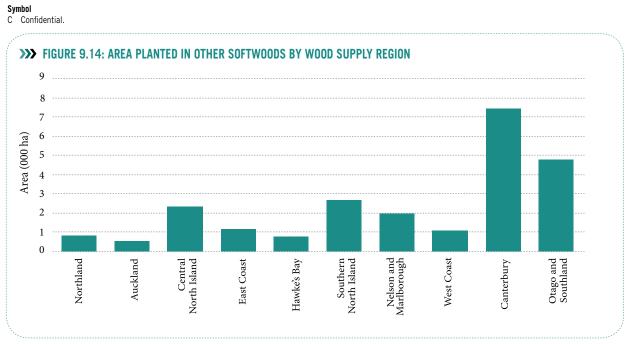
| | | | | | | AGE CLAS | SS YEARS | | | | | |
|--|---|--|---|--|--|--|---|--|--|--|--|--|
| TERRITORIAL AUTHORITY | 1–5 Years (Ha) | 6–10 Years (Ha) | 11–15 YEARS (HA) | 16–20 YEARS (HA) | 21–25 Years (Ha) | 26–30 Years (HA) | 31–35 YEARS (HA) | 36–40 Years (Ha) | 41–50 Years (Ha) | 51–60 Years (HA) | 61–80 Years (Ha) | TOTAL (HA) |
| NORTHLAND WOOD SUPPLY REGION Far North District Whangarei District Kaipara District Rodney District Region total | 0 0 15 15 | 54 19 46 19 138 | 87 117 59 24 287 | 60 38 11 20 129 | 9 7 37 5 58 | 17 3 C C 36 | 7 5 0 11 23 | 3 3 C C 8 | 27 11 1 0 39 | 7 11 1 0 19 | 31 5 18 6 60 | 302 219 180 111 812 |
| AUCKLAND WOOD SUPPLY REGION North Shore City Waitakere City Auckland City Manukau City Papakura District Franklin District Thames-Coromandel District Hauraki District Waikato District Matamata-Piako District Region total | 0 0 1 0 2 0 0 0 C C C | 0 0 39 0 7 6 19 C C C C | 0 0 9 0 11 6 16 36 12 90 | 0 0 8 0 28 17 0 19 5 77 | 0 0 0 0 3 2 0 C C C 16 | 0 0 1 0 5 18 1 0 1 26 | 0 0 1 0 0 2 0 0 0 0 3 | 0 0 7 0 9 2 0 0 0 0 18 | 0 0 2 0 14 3 0 0 0 0 19 | 0 0 0 0 4 19 0 0 0 0 23 | 0 0 0 1 46 73 0 0 3 123 | 0 0 68 1 129 148 36 133 27 542 |
| CENTRAL NORTH ISLAND WOOD SUPPLY REGION Hamilton City Waipa District Otorohanga District South Waikato District Waitomo District Taupo District Tauranga City Ruapehu District Western Bay of Plenty District Rotorua District Kawerau District Whakatane District Opotiki District Region total | 0 0 0 50 0 5 C 42 0 0 0 0 C | 0 6 5 0 C 11 0 29 C 27 0 8 2 7 0 8 2 C | 0 38 7 0 30 44 0 220 118 136 0 23 0 616 | 0 22 2 38 55 0 118 68 64 0 24 3 416 | 0 2 24 28 1 17 0 5 0 37 0 7 1 1 22 | 0 1 3 1 13 48 0 12 2 83 0 21 0 184 | 0 0 26 0 124 0 88 1 35 0 10 2 2 86 | 0 0 4 4 4 4 4 0 3 0 12 0 1 2 0 1 0 68 | 0 4 3 5 36 27 0 12 0 24 0 24 0 8 0 119 | 0 0 0 16 4 0 1 C 1 0 C 0 49 | 0 0 26 1 25 0 122 C 58 0 C 0 251 | 0 73 64 92 151 449 0 615 255 519 0 133 8 2 359 |
| EAST COAST WOOD SUPPLY REGION Gisborne District Region total | 57 57 | 120 120 | 47 47 | 96 96 | 9 9 | 56 56 | 166 166 | 27 27 | 503 503 | 84 84 | 6 6 | 1 171 1 171 |
| HAWKE'S BAY WOOD SUPPLY REGION Wairoa District Hastings District Napier City Central Hawke's Bay District Region total | 24 4 0 0 28 | 154 C 0 C 193 | 37 35 0 34 106 | 37 48 0 13 98 | 0 C 0 C 24 | 10 41 2 10 63 | 62 32 0 1 95 | 0 4 0 2 6 | 29 12 0 18 59 | 35 25 0 13 73 | 3 1 0 49 53 | 391 228 2 177 798 |
| SOUTHERN NORTH ISLAND WOOD SUPPLY REGION New Plymouth District Stratford District South Taranaki District Wanganui District Rangitikei District Manawatu District Palmerston North City Horowhenua District Tararua District Kapiti Coast District Upper Hutt City | 106 0 1 12 94 1 0 0 0 0 0 0 0 0 0 | 1117 6 26 121 286 40 0 1 12 7 7 1 | 332 3 30 45 141 22 0 8 20 9 3 | 21 11 32 55 19 22 0 18 7 12 7 | 9 3 7 0 31 C 1 10 C 1 21 | 1 5 0 6 C 0 0 0 C 1 86 | 1 0 8 9 3 0 4 7 0 0 0 | 0 1 0 6 0 0 0 5 1 0 0 0 | $ \begin{array}{c} 1 \\ 0 \\ 48 \\ 6 \\ 0 \\ 0 \\ 1 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$ | 0 0 0 3 C 0 5 0 0 5 0 0 0 C | 0 0 3 1 11 C 0 9 2 0 C | 588 29 99 296 606 118 1 61 311 30 127 |
| Porirua City Wellington City Lower Hutt City Masterton District Carterton District South Wairarapa District Region total | 0 0 23 0 0 237 | 0 0 59 1 8 685 | 0 0 2 60 15 10 700 | 6 0 45 12 1 268 | 0 0 2 10 3 4 111 | 0 0 43 1 0 416 | 0 0 18 0 1 51 | 0 0 1 0 0 14 | 0 0 47 42 0 145 | 0 0 7 0 5 31 | 0 0 18 0 0 52 | 6 0 4 331 74 29 2 710 |
| North Island total | 454 | 1 414 | 1 846 | 1 084 | 340 | 781 | 624 | 141 | 884 | 279 | 545 | 8 392 |

>>> TABLE 9.13 CONTINUED...

| | | | | | | AGE CLAS | SS YEARS | | | | | |
|---|----------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|---------------|
| TERRITORIAL AUTHORITY | 1–5 Years (Ha) | 6–10 Years (HA) | 11–15 Years (Ha) | 16–20 YEARS (HA) | 21–25 Years (Ha) | 26–30 Years (Ha) | 31–35 Years (Ha) | 36–40 Years (Ha) | 41–50 Years (Ha) | 51–60 Years (HA) | 61–80 Years (HA) | TOTAL (HA) |
| NELSON AND MARLBOROUGH WOOD SUPPLY REGION | | | | | | | | | | | | |
| Tasman District | 24 | 130 | 82 | 180 | 72 | 316 | 245 | 95 | 64 | 19 | 52 | 1 279 |
| Nelson City | 0 | 0 | 1 | 1 | 0 | 35 | 14 | 12 | 8 | 22 | 1 | 94 |
| Marlborough District | 13 | 123 | 130 | 73 | 52 | 147 | 36 | 28 | 9 | 13 | 1 | 625 |
| Kaikoura District | 0 | 0 | 7 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 8 |
| Region total | 37 | 253 | 220 | 254 | 124 | 498 | 296 | 135 | 81 | 54 | 54 | 2 006 |
| WEST COAST WOOD SUPPLY REGION | | | | | | | | | | | | |
| Buller District | 0 | 1 | 6 | 29 | 0 | 34 | 103 | 5 | 11 | 0 | 6 | 195 |
| Grey District | 0 | 2 | 4 | 5 | 19 | 156 | 128 | 59 | 111 | 35 | 0 | 519 |
| Westland District | 1 | 80 | 172 | 35 | 0 | 23 | 22 | 2 | 29 | 5 | 27 | 396 |
| Region total | 1 | 83 | 182 | 69 | 19 | 213 | 253 | 66 | 151 | 40 | 33 | 1 1 1 0 |
| CANTERBURY WOOD SUPPLY REGION | | | | | | | | | | | | |
| Hurunui District | 913 | 875 | 63 | 47 | 10 | 638 | 215 | 59 | 179 | 35 | 82 | 3 1 1 6 |
| Waimakariri District | 21 | 0 | 16 | 131 | 15 | 11 | 59 | 12 | 0 | 1 | 0 | 266 |
| Selwyn District | 2 | 12 | 91 | 144 | 51 | 10 | 5 | 7 | 33 | 2 | 10 | 367 |
| Christchurch City | 0 | 38 | 83 | 936 | 51 | 26 | 3 | 3 | 0 | 2 | 6 | 1 148 |
| Ashburton District | 3 | 20 | 66 | 39 | 58 | 12 | С | С | 0 | С | С | 239 |
| Mackenzie District | 24 | 7 | 58 | 229 | 71 | 141 | С | С | 160 | С | С | 897 |
| Timaru District | 42 | 9 | 230 | 120 | 159 | 118 | 70 | 17 | 26 | 6 | 2 | 799 |
| Waimate District | 8 | 65 | 199 | 60 | 12 | 236 | 74 | 4 | 6 | 0 | 5 | 669 |
| Region total | 1 013 | 1 026 | 806 | 1 706 | 427 | 1 192 | 480 | 166 | 404 | 141 | 140 | 7 501 |
| OTAGO AND SOUTHLAND WOOD SUPPLY REGION | | | | | | | | | | | | |
| Waitaki District | 29 | 13 | 109 | 124 | 1 | 27 | 10 | 0 | 5 | 8 | 0 | 326 |
| Queenstown-Lakes District | 3 | 5 | 1 | 22 | 10 | 0 | 0 | 0 | 3 | 0 | 0 | 44 |
| Central Otago District | 100 | 58 | 228 | 480 | 104 | 97 | 203 | 144 | 362 | 33 | 35 | 1 844 |
| Dunedin City | 2 | 5 | 7 | 75 | 29 | 14 | 38 | 0 | 1 | 13 | 16 | 200 |
| Clutha District | 26 | 64 | 268 | 250 | 82 | 258 | 70 | 12 | 75 | 27 | 71 | 1 203 |
| Southland District | 4 | 70 | 50 | 181 | 38 | 134 | 429 | 50 | 6 | 39 | 11 | 1 012 |
| Gore District | 0 | 2 | 18 | 141 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 163 |
| Invercargill City | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| Region total | 164 | 217 | 681 | 1 276 | 264 | 530 | 750 | 206 | 454 | 120 | 133 | 4 795 |
| South Island total | 1 215 | 1 579 | 1 889 | 3 305 | 834 | 2 433 | 1 779 | 573 | 1 090 | 355 | 360 | 15 412 |
| New Zealand total | 1 669 | 2 993 | 3 735 | 4 389 | 1 174 | 3 214 | 2 403 | 714 | 1 974 | 634 | 905 | 23 804 |

Notes

Net stocked planted production forest area.
 Softwoods other than radiata pine, Douglas-fir and cypresses.



>>> TABLE 9.14: AREA¹ PLANTED IN EUCALYPT SPECIES BY TERRITORIAL AUTHORITY, AS AT 1 APRIL 2011

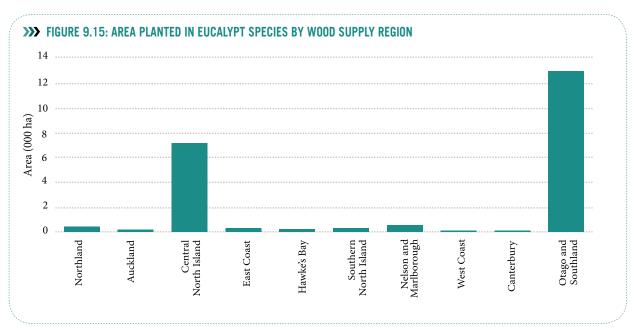
| | | | | | | AGE CLAS | S YEARS | | | | | |
|--|---|---|--|---|--|---|--|--|---|--|---|--|
| TERRITORIAL AUTHORITY | 1–5 Years (ha) | 6–10 Years (Ha) | 11–15 YEARS (HA) | 16–20 YEARS (HA) | 21–25 YEARS (HA) | 26–30 YEARS (HA) | 31–35 YEARS (HA) | 36–40 YEARS (HA) | 41–50 YEARS (HA) | 51–60 Years (Ha) | 61–80 YEARS (HA) | TOTAL (HA) |
| NORTHLAND WOOD SUPPLY REGION Far North District Whangarei District Kaipara District Rodney District Region total | 2 0 0 10 12 | 15 0 0 2 17 | 17 0 0 0 17 | 2 41 151 8 202 | 11 5 0 0 16 | C 25 C 4 43 | 37 57 1 9 104 | C 0 C 1 17 | 1 0 1 3 5 | 5 0 1 6 | 0 1 0 0 1 | 103 129 170 38 440 |
| AUCKLAND WOOD SUPPLY REGION North Shore City Waitakere City Auckland City Manukau City Papakura District Franklin District Thames-Coromandel District Hauraki District Waikato District Matamata-Piako District Region total | 0 0 12 0 0 0 0 0 0 0 0 12 | 0 0 21 0 0 0 0 0 0 0 21 | 0 0 0 0 0 0 1 0 0 1 | 0 0 2 0 7 1 0 1 0 1 0 1 | 0 0 0 0 2 0 0 0 0 0 0 2 | 0 0 2 0 70 0 0 0 0 0 72 | 0 0 0 0 45 0 0 4 4 49 | 0 0 2 0 10 0 0 0 0 12 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 0 0 0 0 6 0 0 0 0 6 | 0 0 0 0 1 0 0 0 0 1 | 0 0 39 0 9 133 1 1 4 187 |
| CENTRAL NORTH ISLAND WOOD SUPPLY REGION Hamilton City Waipa District Otorohanga District South Waikato District Waitomo District Taupo District Tauranga District Tauranga District Ruapehu District Western Bay of Plenty District Rotorua District Kawerau District Whakatane District Opotiki District Region total | 0 0 210 0 554 0 0 6 0 0 0 0 0 770 | 0 0 364 0 186 0 1 63 0 0 0 169 0 783 | 0 346 0 262 0 627 0 3 174 468 31 1 074 0 2 985 | 0 0 43 2 938 0 0 111 3 0 375 0 1372 | 0 0 4 448 1 110 0 0 6 0 0 34 9 612 | 0 0 16 0 73 0 3 33 21 0 56 1 203 | 0 0 5 54 8 0 3 4 5 0 3 5 87 | 0 0 0 5 0 0 1 1 1 0 1 8 | 0 0 4 0 206 0 0 2 0 0 0 0 0 0 2 12 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 70 | 0 0 0 1 1 C 13 0 C 0 35 | 0 346 4 1 352 57 2 708 0 11 388 511 31 1 714 15 7 137 |
| EAST COAST WOOD SUPPLY REGION Gisborne District Region total | 5 5 | 2 2 | 29 29 | 0 0 | 62 62 | 154 154 | 57 57 | 8 8 | 2 2 | 0 0 | 0 0 | 319 319 |
| HAWKE'S BAY WOOD SUPPLY REGION Wairoa District Hastings District Napier City Central Hawkes Bay District Region total | 48 2 0 0 50 | 116 1 0 0 117 | 26 1 0 1 28 | 0 3 6 0 9 | 0 0 0 0 0 | 1 21 0 0 22 | 0 1 0 3 4 | 0 6 0 10 16 | 1 1 0 0 2 | 0 0 0 0 0 | 0 0 0 0 0 | 192 36 6 14 248 |
| SOUTHERN NORTH ISLAND WOOD SUPPLY REGION New Plymouth District Stratford District South Taranaki District Wanganui District Rangitikei District Manawatu District Palmerston North City Horowhenua District Tararua District Kapiti Coast District Upper Hutt City Porirua City Wellington City Lower Hutt City Masterton District Carterton District South Wairarapa District Region total | 0 0 2 0 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 0 0 9 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 0 0 C C C 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 1 0 0 C C 0 1 0 0 0 0 0 0 0 0 2 0 0 40 54 | 0 0 1 0 2 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 | 0 0 2 1 5 0 0 21 0 0 0 0 0 0 0 2 0 0 0 2 0 0 3 1 | 0 0 0 17 0 0 0 4 0 0 0 0 0 0 0 0 1 0 0 123 145 | 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 0 3 1 0 0 0 0 0 0 0 0 0 0 0 1 0 0 5 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 1 | 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 | 1 2 5 21 29 10 0 27 0 1 0 0 0 0 0 0 9 0 0 174 279 |
| North Island total | 858 | 943 | 3 073 | 1 648 | 707 | 525 | 446 | 62 | 226 | 83 | 39 | 8 610 |

>>> TABLE 9.14 CONTINUED...

| | | | | | AG | E CLASS YEAR | S | | | | | |
|---|----------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|---------------|
| TERRITORIAL AUTHORITY | 1–5 Years (Ha) | 6–10 Years (HA) | 11–15 Years (HA) | 16–20 Years (Ha) | 21–25 Years (HA) | 26–30 Years (Ha) | 31–35 Years (HA) | 36–40 Years (Ha) | 41–50 Years (Ha) | 51–60 Years (Ha) | 61–80 Years (HA) | TOTAL (HA) |
| NELSON AND MARLBOROUGH WOOD SUPPLY REGION | | | | | | | | | | | | |
| Tasman District | 0 | 0 | 2 | 8 | 16 | 94 | 165 | 41 | 0 | 0 | 3 | 329 |
| Nelson City | 0 | 0 | 0 | 0 | 4 | 29 | 1 | 3 | 0 | 0 | 1 | 38 |
| Marlborough District | 7 | 9 | 0 | 1 | 37 | 61 | 60 | 1 | 0 | 0 | 0 | 176 |
| Kaikoura District | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Region total | 7 | 9 | 2 | 9 | 57 | 184 | 226 | 45 | 0 | 0 | 4 | 543 |
| WEST COAST WOOD SUPPLY REGION | | | | | | | | | | | | |
| Buller District | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 3 | 0 | 0 | 3 | 9 |
| Grey District | 0 | 0 | 0 | 5 | 0 | 0 | 21 | 14 | 0 | 1 | 0 | 41 |
| Westland District | 0 | 0 | 4 | 0 | 1 | 12 | 29 | 0 | 0 | 0 | 0 | 46 |
| Region total | 0 | 0 | 4 | 5 | 1 | 14 | 51 | 17 | 0 | 1 | 3 | 96 |
| CANTERBURY WOOD SUPPLY REGION | | | | | | | | | | | | |
| Hurunui District | 0 | 14 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 16 |
| Waimakariri District | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| Selwyn District | 0 | 2 | 0 | 0 | 2 | 5 | 0 | 0 | 0 | 0 | 0 | 9 |
| Christchurch City | 0 | 0 | 15 | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 44 |
| Ashburton District | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 3 |
| Mackenzie District | 0 | 0 | 0 | 0 | 0 | 14 | 0 | 0 | 0 | 0 | 0 | 14 |
| Timaru District | 0 | 3 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 |
| Waimate District | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 2 |
| Region total | 0 | 19 | 15 | 29 | 3 | 26 | 0 | 0 | 0 | 0 | 10 | 102 |
| OTAGO AND SOUTHLAND WOOD SUPPLY REGION | | | | | | | | | | | | |
| Waitaki District | 0 | 6 | 0 | 0 | 43 | 42 | 24 | 0 | 1 | 2 | 0 | 118 |
| Queenstown-Lakes District | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Central Otago District | 0 | 0 | 0 | 0 | 0 | 6 | 21 | 0 | 0 | 0 | 0 | 27 |
| Dunedin City | 0 | 0 | 0 | 11 | 25 | 32 | 2 | 1 | 0 | 0 | 0 | 71 |
| Clutha District | 57 | 5 | 754 | 0 | 3 | 202 | С | С | 2 | 0 | 2 | 1 068 |
| Southland District | 1 068 | 1 345 | 4 633 | 3 015 | 756 | 45 | С | С | 3 | 0 | 2 | 10 922 |
| Gore District | 98 | 0 | 565 | 0 | 35 | 0 | 0 | 0 | 0 | 0 | 0 | 698 |
| Invercargill City | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Region total | 1 223 | 1 356 | 5 952 | 3 026 | 862 | 327 | 121 | 25 | 6 | 2 | 4 | 12 904 |
| South Island total | 1 230 | 1 384 | 5 973 | 3 069 | 923 | 551 | 398 | 87 | 6 | 3 | 21 | 13 645 |
| New Zealand total | 2 088 | 2 327 | 9 046 | 4 717 | 1 630 | 1 076 | 844 | 149 | 232 | 86 | 60 | 22 255 |

Note

1. Net stocked planted production forest area.



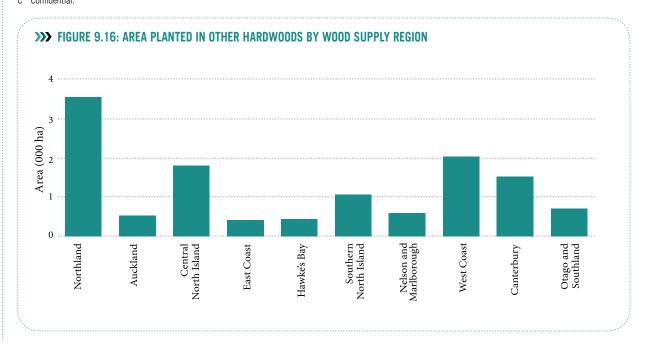
>>> TABLE 9.15: AREA' PLANTED IN OTHER HARDWOODS BY TERRITORIAL AUTHORITY, AS AT 1 APRIL 2011

| | | | | | | AGE CLAS | SS YEARS | | | | | |
|--|--|---|--|---|--|--|---|---|---|---|---|--|
| TERRITORIAL AUTHORITY | 1–5 Years (Ha) | 6–10 Years (Ha) | 11–15 Years (HA) | 16–20 YEARS (HA) | 21–25 Years (Ha) | 26–30 Years (Ha) | 31–35 YEARS (HA) | 36–40 Years (ha) | 41–50 Years (Ha) | 51–60 Years (Ha) | 61-80 YEARS (HA) | TOTAL (HA) |
| NORTHLAND WOOD SUPPLY REGION Far North District Whangarei District Kaipara District Rodney District Region total | 5 0 85 11 101 | 708 14 173 37 932 | 657 178 382 220 1 437 | 116 169 50 106 441 | 63 29 24 24 140 | 202 54 17 15 288 | 63 14 7 50 134 | 3 3 18 15 39 | 4 0 8 5 17 | 1 0 10 11 | 3 2 0 2 7 | 1 825 463 764 495 3 547 |
| AUCKLAND WOOD SUPPLY REGION North Shore City Waitakere City Auckland City Manukau City Papakura District Franklin District Thames-Coromandel District Hauraki District Waikato District Matamata-Piako District Region total | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 0 0 0 11 3 0 C C C C | 0 0 33 1 22 2 17 4 5 84 | 0 0 15 0 51 34 7 28 14 149 | 0 0 24 0 29 2 0 C C 68 | 0 1 0 57 0 21 9 0 6 1 95 | 0 0 3 0 17 7 0 1 0 28 | 0 0 13 0 2 0 0 0 0 0 15 | 0 0 3 0 0 0 0 0 0 0 0 0 3 | 0 0 0 0 0 2 0 0 0 0 2 2 0 0 0 2 | 4 0 0 0 0 0 6 1 0 11 | 4 1 0 148 1 151 61 30 97 25 518 |
| CENTRAL NORTH ISLAND WOOD SUPPLY REGION Hamilton City Waipa District Otorohanga District South Waikato District Waitomo District Taupo District Tauranga District Tauranga District Ruapehu District Western Bay of Plenty District Rotorua District Kawerau District Whakatane District Opotiki District Region total | 0 0 1 C 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 47 12 25 C 42 3 1 C 67 0 48 9 C | 0 140 8 27 22 187 22 5 38 242 3 87 10 791 | 0 13 17 20 38 52 1 0 62 83 0 50 6 342 | 0 2 15 4 4 4 4 1 0 39 29 0 22 3 123 | 0 2 21 3 7 5 1 0 55 23 0 7 0 124 | 0 9 0 1 9 0 1 14 6 0 4 0 44 | 0 0 4 2 2 0 0 0 0 17 0 0 0 25 | 0 0 2 0 5 0 0 0 16 0 2 0 25 | 0 0 0 2 0 0 0 0 1 1 0 3 0 7 | 0 0 2 0 0 0 0 0 9 0 0 0 0 1 | 0 213 75 86 83 306 28 7 247 493 3 223 28 1 792 |
| EAST COAST WOOD SUPPLY REGION Gisborne District Region total | 35 35 | 15 15 | 45 45 | 74 74 | 74 74 | 85 85 | 33 33 | 11 11 | 11 11 | 3 3 | 36 36 | 422 422 |
| HAWKE'S BAY WOOD SUPPLY REGION Wairoa District Hastings District Napier City Central Hawke's Bay District Region total | 0 104 0 0 104 | 19 21 0 8 48 | 1 40 0 23 64 | 0 29 0 25 54 | 22 C 0 C 55 | 25 19 2 6 52 | 2 7 0 0 9 | 0 0 6 6 | 3 1 0 0 4 | 0 C 0 C 6 | 22 C 0 C 30 | 94 254 2 82 432 |
| SUTHERN NORTH ISLAND WOOD SUPPLY REGION New Plymouth District Stratford District South Taranaki District Wanganui District Rangitikei District Manawatu District Palmerston North City Horowhenua District Tararua District Kapiti Coast District Upper Hutt City Porirua City Wellington City Lower Hutt City Masterton District Carterton District South Wairarapa District Region total | 0 3 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 14 6 6 12 7 10 8 1 12 2 0 0 0 0 0 0 0 23 1 1 1 103 | 18 9 24 32 60 16 2 10 15 12 0 0 0 0 0 0 0 10 0 3 211 | 18 46 19 32 36 23 52 59 15 16 3 0 0 0 0 16 6 73 414 | 3 1 4 8 23 C 0 3 C 0 3 C 1 0 1 0 1 0 0 1 2 8 39 120 | 4 1 2 0 2 C 0 1 C 0 23 1 0 0 23 1 0 0 78 | 1 0 2 1 4 0 0 0 8 1 0 0 0 0 8 8 18 9 52 | 0 0 0 0 0 3 0 0 0 0 0 0 0 0 0 0 0 5 6 | $\begin{array}{c} 0 \\ 0 \\ 0 \\ 8 \\ 10 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ $ | 0 0 0 32 0 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 0 6 5 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 58 66 58 100 179 83 62 79 69 32 26 2 0 0 93 33 125 1 065 |
| North Island total | 261 | 1 450 | 2 6 3 2 | 414 1 474 | 580 | 78 | 32 300 | 102 | 25 85 | 54 63 | 12 | 7 776 |

>>> TABLE 9.15 CONTINUED...

| | | | | | | AGE CLASS | YEARS | | | | | |
|---|----------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|---------------|
| TERRITORIAL AUTHORITY | 1–5 Years (Ha) | 6–10 Years (Ha) | 11–15 Years (Ha) | 16–20 YEARS (HA) | 21–25 Years (Ha) | 26–30 Years (Ha) | 31–35 YEARS (HA) | 36–40 Years (Ha) | 41–50 Years (Ha) | 51–60 Years (Ha) | 61–80 Years (HA) | TOTAL (HA) |
| NELSON AND MARLBOROUGH WOOD SUPPLY REGION | | | | | | | | | | | | |
| Tasman District | 1 | 9 | 69 | 84 | 51 | 19 | 50 | 10 | 0 | 8 | 33 | 334 |
| Nelson City | 0 | 0 | 1 | 5 | 7 | 0 | 0 | 0 | 0 | 3 | 0 | 16 |
| Marlborough District | 10 | 22 | 30 | 118 | 28 | 16 | 6 | 6 | 1 | 1 | 5 | 243 |
| Kaikoura District | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 3 |
| Region total | 11 | 31 | 100 | 207 | 86 | 35 | 59 | 16 | 1 | 12 | 38 | 596 |
| WEST COAST WOOD SUPPLY REGION | | | | | | | | | | | | |
| Buller District | 0 | 0 | 4 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 12 |
| Grey District | 89 | 47 | 1 | 5 | 5 | 45 | 2 | 0 | 0 | 0 | 0 | 194 |
| Westland District | 78 | 127 | 126 | 619 | 499 | 359 | 2 | 0 | 0 | 0 | 0 | 1 810 |
| Region total | 167 | 174 | 131 | 631 | 504 | 404 | 4 | 0 | 0 | 0 | 1 | 2 016 |
| CANTERBURY WOOD SUPPLY REGION | | | | | | | | | | | | |
| Hurunui District | 0 | 21 | 8 | 32 | 4 | 4 | 0 | 0 | 1 | 0 | 0 | 70 |
| Waimakariri District | 0 | 0 | 14 | 90 | 17 | 2 | 0 | 0 | 0 | 0 | 0 | 123 |
| Selwyn District | 0 | 1 | 15 | 39 | 12 | 3 | 1 | 1 | 0 | 3 | 0 | 75 |
| Christchurch City | 1 | 252 | 169 | 489 | 14 | 24 | 11 | 0 | 1 | 0 | 8 | 969 |
| Ashburton District | 0 | 0 | 16 | 15 | 8 | 6 | 0 | 0 | 0 | 0 | 0 | 45 |
| Mackenzie District | 0 | 2 | 7 | 30 | 0 | 2 | 3 | 0 | 0 | 9 | 9 | 62 |
| Timaru District | 0 | 9 | 29 | 18 | 14 | 2 | 0 | 0 | 37 | 0 | 10 | 119 |
| Waimate District | 0 | 0 | 15 | 20 | 11 | 2 | 0 | 0 | 6 | 0 | 1 | 55 |
| Region total | 1 | 285 | 273 | 733 | 80 | 45 | 15 | 1 | 45 | 12 | 28 | 1 518 |
| OTAGO AND SOUTHLAND WOOD SUPPLY REGION | | | | | | | | | | | | |
| Waitaki District | 0 | 2 | 12 | 48 | 1 | 12 | 6 | 0 | 0 | 0 | 3 | 84 |
| Queenstown-Lakes District | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| Central Otago District | 0 | 0 | 14 | 59 | 3 | 9 | 1 | 0 | 0 | 0 | 0 | 86 |
| Dunedin City | 0 | 1 | 2 | 33 | 10 | 8 | 0 | 0 | 0 | 0 | 15 | 69 |
| Clutha District | 0 | 9 | 27 | 26 | 30 | 34 | С | С | 6 | 18 | 14 | 196 |
| Southland District | 0 | 21 | 91 | 77 | 23 | 32 | С | С | 1 | 1 | 2 | 253 |
| Gore District | 0 | 4 | 3 | 3 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 16 |
| Invercargill City | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Region total | 0 | 37 | 149 | 246 | 76 | 95 | 36 | 8 | 7 | 19 | 34 | 707 |
| South Island total | 179 | 527 | 653 | 1 817 | 746 | 579 | 114 | 25 | 53 | 43 | 101 | 4 837 |
| New Zealand total | 440 | 1 977 | 3 285 | 3 291 | 1 326 | 1 301 | 414 | 127 | 138 | 106 | 208 | 12 613 |

Note
1. Net stocked planted production forest area.



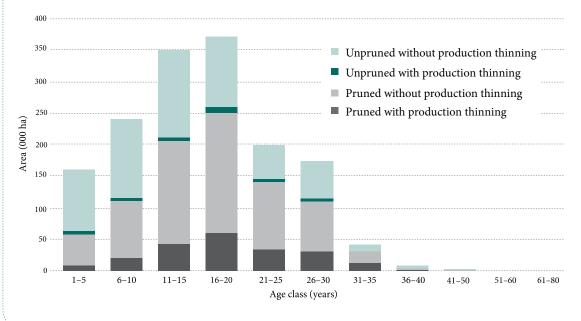


RADIATA PINE TENDING REGIME

This section presents detailed information for each radiata pine NEFD tending regime, showing the forest area for each territorial authority by five-yearly age class. Figure 9.17 provides an overview of this, illustrating the radiata pine tending regime breakdown by age class.

The four tables that follow show the area:

- pruned with production thinning;
- pruned without production thinning;
- unpruned with production thinning;
- unpruned without production thinning.



>>>> FIGURE 9.17: RADIATA PINE FOREST AREA BY AGE CLASS AND TENDING REGIME, AS AT 1 APRIL 2011

>>> TABLE 9.16: AREA' OF RADIATA PINE PRUNED WITH PRODUCTION THINNING BY TERRITORIAL AUTHORITY, AS AT 1 APRIL 2011

| | | | | | | AGE CLAS | SS YEARS | | | | | |
|--|---|--|---|---|--|--|--|---|--|--|--|--|
| TERRITORIAL AUTHORITY | 1–5 Years (Ha) | 6–10 Years (Ha) | 11–15 Years (HA) | 16–20 Years (Ha) | 21–25 Years (Ha) | 26–30 Years (Ha) | 31–35 Years (Ha) | 36–40 Years (Ha) | 41–50 Years (Ha) | 51–60 Years (Ha) | 61–80 YEARS (HA) | TOTAL (HA) |
| NORTHLAND WOOD SUPPLY REGION Far North District Whangarei District Kaipara District Rodney District Region total | 345 4 1 1 351 | 569 201 40 190 1 000 | 1 395 942 1 070 1 145 4 552 | 1 917 1 320 1 755 1 128 6 120 | 3 493 376 1 436 99 5 404 | 4 287 209 27 227 4 750 | 3 484 184 75 369 4 112 | 222 C 15 C 443 | 4 C 4 C 136 | 0 0 4 1 5 | 0 1 0 0 1 | 15 716 3 474 4 427 3 257 26 874 |
| AUCKLAND WOOD SUPPLY REGION North Shore City Waitakere City Auckland City Manukau City Papakura District Franklin District Thames-Coromandel District Hauraki District Waikato District Matamata-Piako District Region total | 0 0 20 0 28 0 6 0 54 | 0 0 3 0 14 39 13 806 21 896 | 0 0 22 0 170 103 107 1 618 72 2 092 | 0 1 0 242 10 496 424 283 806 75 2 337 | 6 1 0 52 0 56 48 10 152 22 347 | 0 0 71 0 52 122 67 22 16 350 | 3 2 0 6 0 81 51 C C 9 195 | 1 0 0 35 66 C C 1 105 | 0 0 1 0 0 0 0 0 0 0 1 | 0 0 0 29 0 0 0 0 0 29 | 0 0 0 19 0 0 0 0 0 19 | 10 4 0 417 10 952 881 511 3 424 216 6 425 |
| CENTRAL NORTH ISLAND WOOD SUPPLY REGION Hamilton City Waipa District Otorohanga District South Waikato District Waitomo District Taupo District Tauranga City Ruapehu District Western Bay of Plenty District Rotorua District Kawerau District Whakatane District Opotiki District Region total | $\begin{array}{c} 0\\ 5\\ 0\\ 0\\ 24\\ 4655\\ 0\\ 203\\ 54\\ 1002\\ 0\\ 1043\\ 0\\ 6986 \end{array}$ | 0 103 73 11 132 6 590 1 436 271 2 992 0 2 399 2 13 010 | 0 369 164 53 1 246 3 505 2 2 122 507 1 890 0 6 931 7 16 796 | 0 382 389 123 1 074 2 481 6 2 174 1 812 1 677 0 4 936 34 15 088 | 0 88 65 20 216 12 394 0 313 668 1 475 0 4 445 0 19 684 | 1 126 33 71 204 14 649 5 874 409 342 0 2 003 0 18 717 | 0 130 13 C C 3 571 0 284 125 161 0 233 11 4 570 | 0 27 0 C 4 0 0 0 5 0 1 0 40 | 0 0 1 0 13 0 0 0 0 1 0 6 0 21 | 0 0 0 0 0 0 0 0 0 8 0 0 0 8 8 | 0 0 0 0 0 0 0 0 1 6 0 0 0 7 | $\begin{array}{c} 1\\ 1\ 230\\ 737\\ 284\\ 2\ 936\\ 47\ 862\\ 14\\ 6\ 406\\ 3\ 847\\ 9\ 559\\ 0\\ 21\ 997\\ 54\\ 94\ 927\\ \end{array}$ |
| EAST COAST WOOD SUPPLY REGION Gisborne District Region total | 1 1 | 243 243 | 946 946 | 2 129 2 129 | 618 618 | 237 237 | 150 150 | 13 13 | 0 0 | 0 0 | 0 0 | 4 337 4 337 |
| HAWKE'S BAY WOOD SUPPLY REGION Wairoa District Hastings District Napier City Central Hawkes Bay District Region total | 30 28 0 57 115 | 31 192 0 182 405 | 234 565 6 1 075 1 880 | 680 3 432 0 2 048 6 160 | 74 391 0 261 726 | 213 582 2 282 1 079 | 56 205 0 265 526 | 7 26 0 50 83 | 2 2 0 10 14 | 0 0 0 0 0 | 0 1 0 0 1 | 1 327 5 424 8 4 230 10 989 |
| SOUTHERN NORTH ISLAND WOOD SUPPLY REGION New Plymouth District Stratford District South Taranaki District Wanganui District Rangitikei District Manawatu District Palmerston North City Horowhenua District Tararua District Tararua District Kapiti Coast District Upper Hutt City Porirua City Wellington City Lower Hutt City Masterton District Carterton District South Wairarapa District Region total | 18 3 12 146 180 18 2 5 14 0 0 0 0 0 0 0 0 69 0 2 2 469 | 169 88 307 1 054 482 193 112 104 140 85 12 0 0 0 0 0 163 29 85 3 023 | 180 88 1 556 3 184 601 376 132 127 236 236 94 14 0 46 259 16 136 7 281 | 409 680 911 2 338 2 633 1 308 236 1 232 1 296 474 85 108 39 0 942 75 122 12 888 | 283 68 317 1 374 410 267 31 354 229 53 49 32 38 3 101 7 21 3 637 | 139 6 165 710 455 349 6 296 214 85 46 132 2 0 15 11 24 2 655 | 110 19 150 54 170 155 97 81 87 26 10 7 2 20 45 1 29 1063 | 3 4 7 24 76 62 10 18 17 1 1 1 0 0 9 17 0 6 255 | 1 0 4 29 4 20 0 6 7 0 5 5 0 0 0 1 4 8 8 9 | 0 0 2 0 1 0 0 0 0 0 0 0 0 0 0 0 0 4 4 0 0 7 | 0 1 1 0 0 0 0 1 0 0 0 24 0 0 0 0 0 0 0 27 | 1 312 957 3 432 8 913 5 012 2 748 626 2 224 2 240 960 326 293 81 78 1 616 143 433 31 394 |
| North Island total | 7 976 | 18 577 | 33 547 | 44 722 | 30 416 | 27 788 | 10 616 | 939 | 261 | 49 | 55 | 174 946 |

>>> TABLE 9.16 CONTINUED...

| | | | | | | AGE CLAS | S YEARS | | | | | |
|---|----------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|---------------|
| TERRITORIAL AUTHORITY | 1–5 Years (Ha) | 6–10 Years (HA) | 11–15 Years (Ha) | 16–20 YEARS (HA) | 21–25 Years (Ha) | 26–30 Years (HA) | 31–35 YEARS (HA) | 36–40 Years (HA) | 41–50 Years (Ha) | 51–60 Years (HA) | 61–80 Years (HA) | TOTAL (HA) |
| NELSON AND MARLBOROUGH WOOD SUPPLY REGION | | | | | | | | | | | | |
| Tasman District | 68 | 180 | С | С | 302 | 224 | 206 | С | С | 0 | 1 | 3 487 |
| Nelson City | 0 | 0 | С | С | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 95 |
| Marlborough District | 37 | 364 | 1 853 | 3 255 | 580 | 718 | 111 | С | С | 0 | 0 | 6 965 |
| Kaikoura District | 0 | 4 | 55 | 103 | 8 | 4 | 7 | 0 | 0 | 0 | 0 | 181 |
| Region total | 105 | 548 | 2 674 | 5 154 | 890 | 946 | 324 | 60 | 26 | 0 | 1 | 10 728 |
| WEST COAST WOOD SUPPLY REGION | | | | | | | | | | | | |
| Buller District | 0 | 1 | 58 | 199 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 260 |
| Grey District | 0 | 0 | 19 | 172 | 0 | 51 | 82 | 2 | 0 | 0 | 0 | 326 |
| Westland District | 0 | 4 | 147 | 36 | 0 | 23 | 0 | 0 | 0 | 0 | 0 | 210 |
| Region total | 0 | 5 | 224 | 407 | 2 | 74 | 82 | 2 | 0 | 0 | 0 | 796 |
| CANTERBURY WOOD SUPPLY REGION | | | | | | | | | | | | |
| Hurunui District | 18 | 286 | 1 680 | 1 572 | 324 | 272 | 128 | 78 | 58 | 3 | 0 | 4 4 1 9 |
| Waimakariri District | 27 | 113 | 319 | 1 226 | 255 | 143 | 29 | 0 | 26 | 0 | 0 | 2 1 3 8 |
| Selwyn District | 4 | 47 | 163 | 515 | 149 | 74 | 114 | 0 | 23 | 0 | 7 | 1 096 |
| Christchurch City | 0 | 190 | 444 | 693 | 145 | 148 | 80 | 3 | 0 | 0 | 0 | 1 703 |
| Ashburton District | 2 | 25 | 104 | 184 | С | С | 13 | 0 | 28 | 0 | 0 | 571 |
| Mackenzie District | 0 | 21 | 87 | 163 | С | С | 6 | 0 | 1 | 0 | 0 | 350 |
| Timaru District | 1 | 127 | 395 | 433 | 168 | 127 | 59 | 14 | 10 | 0 | 1 | 1 335 |
| Waimate District | 1 | 42 | 239 | 168 | 88 | 54 | 12 | 2 | 0 | 0 | 0 | 606 |
| Region total | 53 | 851 | 3 431 | 4 954 | 1 275 | 959 | 441 | 97 | 146 | 3 | 8 | 12 218 |
| OTAGO AND SOUTHLAND WOOD SUPPLY REGION | | | | | | | | | | | | |
| Waitaki District | 6 | 150 | 316 | 890 | 99 | 156 | 164 | 41 | 51 | 0 | 0 | 1 873 |
| Queenstown-Lakes District | 0 | 0 | 0 | 15 | 0 | 31 | 65 | 0 | 0 | 0 | 0 | 111 |
| Central Otago District | 0 | 44 | 30 | 120 | 10 | 94 | 0 | 4 | 0 | 0 | 37 | 339 |
| Dunedin City | 1 | 41 | 179 | 825 | 152 | 40 | 0 | 10 | 10 | 18 | 0 | 1 276 |
| Clutha District | 3 | 111 | 1 037 | 1 394 | 178 | 124 | 83 | 29 | 16 | 0 | 0 | 2 975 |
| Southland District | 67 | 320 | 1 056 | 1 228 | 548 | 343 | 210 | 108 | 3 | 0 | 0 | 3 883 |
| Gore District | 0 | 10 | 218 | 449 | 17 | 3 | 17 | 2 | 16 | 0 | 0 | 732 |
| Invercargill City | 0 | 3 | 1 | 62 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 67 |
| Region total | 77 | 679 | 2 837 | 4 983 | 1 004 | 791 | 540 | 194 | 96 | 18 | 37 | 11 256 |
| South Island total | 235 | 2 083 | 9 166 | 15 498 | 3 171 | 2 770 | 1 387 | 353 | 268 | 21 | 46 | 34 998 |
| New Zealand total | 8 211 | 20 660 | 42 713 | 60 220 | 33 587 | 30 558 | 12 003 | 1 292 | 529 | 70 | 101 | 209 944 |

Note
1. Net stocked planted production forest area.

Symbol C Confidential.

>>> FIGURE 9.18: AREA OF RADIATA PINE PRUNED WITH PRODUCTION THINNING BY WOOD SUPPLY REGION 100 90 80 70 60 Area (000 ha) 50 40 30 20 10 0 Central North Island Southern North Island Nelson and Marlborough Otago and Southland Northland Auckland East Coast Hawke's Bay West Coast Canterbury

>>> TABLE 9.17: AREA¹ OF RADIATA PINE PRUNED WITHOUT PRODUCTION THINNING BY TERRITORIAL AUTHORITY, AS AT 1 APRIL 2011

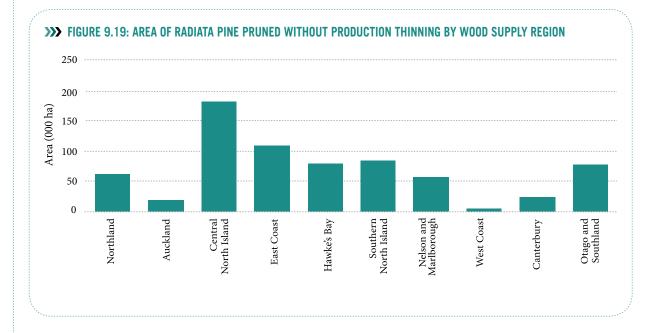
| | | | | | | AGE CLAS | S YEARS | | | | | |
|---|--|---|---|---|---|---|---|---|--|---|---|--|
| TERRITORIAL AUTHORITY | 1–5 YEARS (HA) | 6–10 Years (Ha) | 11–15 Years (Ha) | 16–20 YEARS (HA) | 21–25 YEARS (HA) | 26–30 YEARS (HA) | 31–35 YEARS (HA) | 36–40 Years (Ha) | 41–50 Years (Ha) | 51–60 YEARS (HA) | 61–80 YEARS (HA) | TOTAL (HA) |
| NORTHLAND WOOD SUPPLY REGION Far North District Whangarei District Kaipara District Rodney District Region total | 2 224 25 394 22 2 665 | 3 316 451 929 936 5 632 | 6 154 2 727 3 822 1 527 14 230 | 9 241 3 052 2 340 1 083 15 716 | 6 950 2 417 1 720 599 11 686 | 4 863 1 080 1 632 607 8 182 | 1 293 394 271 816 2 774 | 214 C 56 C 399 | 31 C 13 C 88 | 0 1 5 0 6 | 0 2 0 2 4 | 34 286 10 166 11 182 5 748 61 382 |
| AUCKLAND WOOD SUPPLY REGION North Shore City Waitakere City Auckland City Manukau City Papakura District Franklin District Thames-Coromandel District Hauraki District Waikato District Matamata-Piako District Region total | 0 0 240 12 147 11 0 306 1 717 | 0 0 958 0 354 96 87 1 032 10 2 537 | 0 1 0 824 3 815 158 651 1 425 61 3 938 | 0 2 0 842 20 1 193 721 847 1 887 282 5 794 | 0 0 75 0 1 197 830 479 622 32 3 235 | 0 0 376 29 360 1 138 40 335 10 2 288 | 0 0 41 15 16 345 C C 42 473 | 0 1 0 192 0 25 15 C C 1 244 | 0 0 10 0 6 0 0 0 0 16 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 0 0 1 8 0 0 0 0 9 | 0 4 0 3 558 79 4 108 3 328 2 109 5 626 439 19 251 |
| CENTRAL NORTH ISLAND WOOD SUPPLY REGION Hamilton City Waipa District Otorohanga District South Waikato District Waitomo District Taupo District Taupo District Tauranga City Ruapehu District Western Bay of Plenty District Rotorua District Kawerau District Whakatane District Opotiki District Region total | 0 0 534 37 11 003 0 3 568 3 152 0 1 427 277 17 001 | 0 12 841 364 1 610 12 147 9 1 419 495 3 697 0 4 615 526 25 735 | 0 272 272 860 4 060 11 955 26 3 710 2 361 5 491 0 11 828 681 41 516 | 0 139 638 2 201 3 528 5 165 32 2 279 3 805 2 882 0 10 208 436 31 313 | 0 33 98 8 189 688 10 272 16 2 185 2 973 4 437 0 6 898 3 106 38 895 | 0 17 167 3 266 420 6 604 0 2 096 748 1 205 0 6 136 2 171 22 830 | 0 2 56 C 2 187 0 288 110 146 0 1 126 449 4 487 | 0 0 3 C 66 0 0 7 23 0 147 0 261 | 0 0 6 0 22 0 0 2 10 0 41 0 81 | 0 0 0 0 0 0 0 0 0 0 3 0 0 0 0 3 3 0 0 0 3 | 0 0 0 0 0 0 0 0 0 0 1 0 0 0 1 | $\begin{array}{c} 0\\ 475\\ 2\ 075\\ 15\ 508\\ 10\ 393\\ 59\ 421\\ 83\\ 11\ 980\\ 11\ 069\\ 21\ 047\\ 0\\ 42\ 426\\ 7\ 646\\ 182\ 123\\ \end{array}$ |
| EAST COAST WOOD SUPPLY REGION Gisborne District Region total | 5 958 5 958 | 13 817 13 817 | 25 335 25 335 | 33 953 33 953 | 14 856 14 856 | 12 754 12 754 | 2 452 2 452 | 250 250 | 15 15 | 20 20 | 1 1 | 109 411 109 411 |
| HAWKE'S BAY WOOD SUPPLY REGION Wairoa District Hastings District Napier City Central Hawke's Bay District Region total | 4 259 1 630 0 477 6 366 | 7 676 6 181 0 942 14 799 | 8 225 7 368 39 2 498 18 130 | 13 378 10 038 22 2 116 25 554 | 1 694 3 340 6 542 5 582 | 3 084 3 744 41 241 7 110 | 999 537 1 48 1 585 | 56 232 5 12 305 | 2 C 0 C 16 | 1 C 0 C 4 | 0 1 0 1 2 | 39 374 33 081 114 6 884 79 453 |
| SOUTHERN NORTH ISLAND WOOD SUPPLY REGION New Plymouth District Stratford District South Taranaki District Wanganui District Rangitikei District Manawatu District Palmerston North City Horowhenua District Tararua District Kapiti Coast District Upper Hutt City Porirua City Wellington City Lower Hutt City Masterton District Carterton District South Wairarapa District Region total | 52 9 16 1 508 48 43 186 151 22 70 648 0 0 0 1 922 797 123 5 595 | 247 107 360 1 367 419 199 1 91 656 95 781 55 8 10 2 648 552 625 8 221 | 457 370 699 2 004 4 461 235 12 102 681 234 665 18 30 2 5 803 3 832 1 719 21 324 | 442 1 966 2 183 6 159 1 829 974 299 676 1 001 765 392 408 253 24 7 625 1 602 1 990 28 588 | 171 229 665 2707 924 144 6 92 254 444 538 180 5 0 2055 946 452 9812 | 52 441 99 773 C 112 51 53 C C C C C 12 12 12 36 3 337 464 164 7 188 | 6 22 50 137 112 264 208 103 103 89 437 6 0 5 820 506 43 2 911 | 4 4 2 8 C 25 20 16 C 45 60 0 0 82 41 14 566 | 0 0 4 2 1 0 13 23 2 32 32 3 0 0 39 0 0 0 119 | 0 0 0 2 0 1 C 0 0 C 0 0 0 0 0 0 0 1 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 1 431 3 148 4 074 14 667 8 162 1 999 783 1 298 2 968 2 094 4 377 742 308 77 24 337 8 740 5 130 84 335 |
| North Island total | 38 302 | 70 741 | 124 473 | 140 918 | 84 066 | 60 352 | 14 682 | 2 025 | 335 | 44 | 17 | 535 955 |

>>> TABLE 9.17 CONTINUED...

| | | | | | l | AGE CLASS YE | ARS | | | | | |
|---|----------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|---------------|
| TERRITORIAL AUTHORITY | 1–5 YEARS (HA) | 6–10 Years (Ha) | 11–15 Years (Ha) | 16–20 YEARS (HA) | 21–25 YEARS (HA) | 26–30 Years (Ha) | 31–35 YEARS (HA) | 36–40 YEARS (HA) | 41–50 YEARS (HA) | 51–60 Years (Ha) | 61–80 Years (HA) | TOTAL (HA) |
| NELSON AND MARLBOROUGH WOOD SUPPLY REGION | | | | | | | | | | | | |
| Tasman District | 411 | 1 433 | 5 460 | 6 753 | 3 441 | 2 310 | 366 | 18 | 12 | 0 | 1 | 20 205 |
| Nelson City | 62 | 18 | 175 | 480 | 337 | 525 | 60 | 1 | 0 | 0 | 0 | 1 658 |
| Marlborough District | 1 301 | 3 609 | 6 439 | 10 352 | 6 387 | 5 491 | 882 | 271 | 71 | 0 | 0 | 34 803 |
| Kaikoura District | 9 | 102 | 351 | 303 | 40 | 65 | 48 | 0 | 0 | 0 | 0 | 918 |
| Region total | 1 783 | 5 162 | 12 425 | 17 888 | 10 205 | 8 391 | 1 356 | 290 | 83 | 0 | 1 | 57 584 |
| WEST COAST WOOD SUPPLY REGION | | | | | | | | | | | | |
| Buller District | 293 | 14 | 612 | 448 | 351 | С | С | 0 | 0 | 0 | 0 | 2 066 |
| Grey District | 566 | 71 | 255 | 544 | 14 | С | С | 3 | 53 | 0 | 0 | 1 618 |
| Westland District | 471 | 140 | 467 | 214 | 9 | 13 | 13 | 47 | 6 | 0 | 0 | 1 380 |
| Region total | 1 330 | 225 | 1 334 | 1 206 | 374 | 396 | 90 | 50 | 59 | 0 | 0 | 5 064 |
| CANTERBURY WOOD SUPPLY REGION | | | | | | | | | | | | |
| Hurunui District | 79 | 497 | 1 759 | 1 504 | 487 | 644 | 249 | 62 | 14 | 3 | 1 | 5 299 |
| Waimakariri District | 11 | 86 | 95 | 525 | 89 | 58 | 5 | 0 | 3 | 0 | 0 | 872 |
| Selwyn District | 261 | 129 | 622 | 622 | 1 177 | 488 | 74 | 43 | 0 | 0 | 0 | 3 416 |
| Christchurch City | 176 | 282 | 702 | 1 839 | 272 | 345 | 65 | 52 | 1 | 0 | 1 | 3 735 |
| Ashburton District | 7 | 57 | 295 | 205 | 75 | 190 | 38 | 27 | 0 | 0 | 1 | 895 |
| Mackenzie District | 15 | 107 | 170 | 839 | 56 | 35 | 36 | 0 | 41 | 0 | 0 | 1 299 |
| Timaru District | 277 | 290 | 529 | 837 | 985 | 414 | 24 | 1 | 0 | 0 | 0 | 3 357 |
| Waimate District | 650 | 332 | 1 949 | 784 | 445 | 550 | 18 | 0 | 0 | 0 | 0 | 4 728 |
| Region total | 1 476 | 1 780 | 6 121 | 7 155 | 3 586 | 2 724 | 509 | 185 | 59 | 3 | 3 | 23 601 |
| OTAGO AND SOUTHLAND WOOD SUPPLY REGION | | | | | | | | | | | | |
| Waitaki District | 295 | 2 175 | 2 851 | 1 462 | 1 088 | 561 | 80 | 48 | 35 | 12 | 5 | 8 612 |
| Queenstown-Lakes District | 0 | 0 | 3 | 3 | 11 | 0 | 2 | 0 | 3 | 0 | 1 | 23 |
| Central Otago District | 5 | 62 | 121 | 527 | 43 | 139 | 86 | 43 | 1 | 0 | 1 | 1 028 |
| Dunedin City | 1 0 3 0 | 705 | 1 226 | 2 005 | 2 397 | 1 514 | 149 | 17 | 22 | 0 | 0 | 9 065 |
| Clutha District | 3 938 | 6 381 | 9 571 | 12 369 | 4 129 | 4 1 27 | 919 | 141 | 25 | 5 | 5 | 41 610 |
| Southland District | 1 255 | 1 816 | 4 089 | 5 542 | 1 992 | 1 295 | 425 | 160 | 68 | 0 | 0 | 16 642 |
| Gore District | 0 | 5 | 130 | 234 | 24 | 139 | 0 | 0 | 1 | 0 | 0 | 533 |
| Invercargill City | 8 | 59 | 60 | 91 | 63 | 82 | 89 | 23 | 3 | 5 | 0 | 483 |
| Region total | 6 531 | 11 203 | 18 051 | 22 233 | 9 747 | 7 857 | 1 750 | 432 | 158 | 22 | 12 | 77 996 |
| South Island total | 11 120 | 18 370 | 37 931 | 48 482 | 23 912 | 19 368 | 3 705 | 957 | 359 | 25 | 16 | 164 245 |
| New Zealand total | 49 422 | 89 111 | 162 404 | 189 400 | 107 978 | 79 720 | 18 387 | 2 982 | 694 | 69 | 33 | 700 200 |

Note

1. Net stocked planted production forest area.



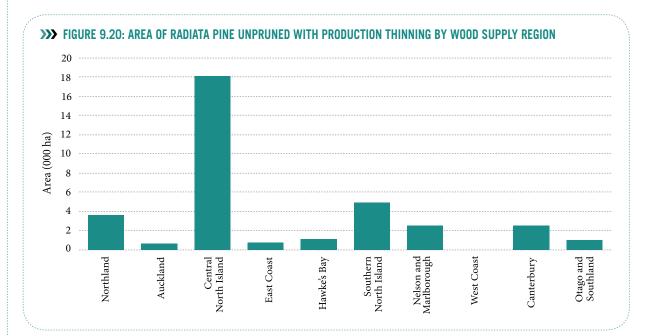
>>> TABLE 9.18: AREA¹ OF RADIATA PINE UNPRUNED WITH PRODUCTION THINNING BY TERRITORIAL AUTHORITY, AS AT 1 APRIL 2011

| | | | | | | AGE CLAS | SS YEARS | | | | | |
|--|---|---|--|---|---|--|---|--|---|--|---|--|
| TERRITORIAL AUTHORITY | 1–5 Years (ha) | 6–10 Years (HA) | 11–15 YEARS (HA) | 16–20 YEARS (HA) | 21–25 YEARS (HA) | 26–30 YEARS (HA) | 31–35 YEARS (HA) | 36–40 Years (Ha) | 41–50 YEARS (HA) | 51–60 Years (Ha) | 61–80 YEARS (HA) | TOTAL (HA) |
| NORTHLAND WOOD SUPPLY REGION Far North District Whangarei District Kaipara District Rodney District Region total | 96 0 1 97 | 114 0 2 33 149 | 114 0 17 195 326 | 282 1 350 1 074 1 707 | 36 0 238 648 922 | 103 0 28 66 197 | 148 0 17 9 174 | 45 3 15 0 63 | 0 0 0 0 0 | 1 0 1 0 2 | 0 0 0 0 0 | 939 4 668 2 026 3 637 |
| AUCKLAND WOOD SUPPLY REGION North Shore City Waitakere City Auckland City Manukau City Papakura District Franklin District Thames-Coromandel District Hauraki District Waikato District Matamata-Piako District Region total | 0 0 0 0 9 0 0 0 0 0 9 0 0 0 9 9 | 0 0 0 0 43 0 0 0 43 43 | 0 0 0 16 72 0 3 0 91 | 0 0 0 251 99 0 111 0 361 | 0 0 0 0 43 0 0 0 43 43 | 0 0 0 0 0 23 0 0 0 0 23 | 0 0 0 0 106 0 0 0 0 106 | 0 0 0 0 0 17 0 0 0 0 17 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 0 0 4 0 0 0 0 0 4 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 0 0 271 412 0 14 0 14 0 697 |
| CENTRAL NORTH ISLAND WOOD SUPPLY REGION Hamilton City Waipa District Otorohanga District South Waikato District Waitomo District Taupo District Tauranga City Ruapehu District Western Bay of Plenty District Rotorua District Kawerau District Whakatane District Opotiki District Region total | 0 0 0 3 1 766 0 131 323 729 0 1 098 0 4 050 | 0 6 19 4 87 561 0 207 163 1113 0 1 237 12 3 409 | 0 44 8 9 292 521 0 803 208 443 0 537 12 2 877 | 0 24 53 20 398 446 0 683 169 150 0 588 2 2 533 | 0 0 2 977 0 1 094 50 0 0 130 0 2 255 | 0 0 11 0 2 248 0 72 130 41 0 212 221 2 935 | 0 0 8 0 7 20 0 37 2 0 0 0 0 0 0 7 4 | 0 0 0 4 0 2 0 0 0 0 0 0 0 6 | 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 1 | 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 1 | 0 0 0 0 0 0 0 0 0 0 1 0 0 0 1 | 0 74 101 33 789 6 544 0 3 029 1 045 2 478 0 3 802 247 18 142 |
| EAST COAST WOOD SUPPLY REGION Gisborne District Region total | 0 0 | 40 40 | 13 13 | 387 387 | 18 18 | 239 239 | 24 24 | 27 27 | 0 0 | 0 0 | 0 0 | 748 748 |
| HAWKE'S BAY WOOD SUPPLY REGION Wairoa District Hastings District Napier City Central Hawke's Bay District Region total | 0 0 0 0 0 | 8 6 0 1 15 | 68 61 0 23 152 | 299 525 0 8 832 | 0 11 0 7 18 | 38 5 0 15 58 | 0 35 0 3 38 | 0 5 0 1 6 | 0 2 0 0 2 | 0 0 0 0 0 | 0 0 0 0 0 | 413 650 0 58 1 121 |
| SOUTHERN NORTH ISLAND WOOD SUPPLY REGION New Plymouth District Stratford District South Taranaki District Wanganui District Rangitikei District Manawatu District Palmerston North City Horowhenua District Tararua District Kapiti Coast District Upper Hutt City Porirua City Wellington City Lower Hutt City Masterton District Carterton District South Wairarapa District Region total | 0 0 275 234 0 0 247 1 0 0 0 0 0 0 0 0 0 85 0 2 844 | 4 0 0 1 900 1 0 347 18 0 0 0 0 28 0 28 0 58 0 130 1 487 | 6 0 20 566 1 1 302 63 0 0 0 0 0 0 0 0 0 15 5 92 1071 | 73 0 12 226 111 10 41 279 154 10 0 0 0 0 0 0 0 30 3 3 4 983 | 0 0 80 18 0 0 5 19 0 0 0 8 10 16 0 10 166 | 0 0 3 79 C 55 0 14 C 0 0 0 0 0 0 54 14 3 6 246 | 0 0 0 6 0 0 1 5 0 0 0 0 0 0 0 0 1 8 2 0 3 3 5 | 0 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 13 | 0 0 0 1 0 0 14 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 0 0 2 0 0 22 0 0 0 0 0 0 0 0 0 0 0 0 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 83 0 17 681 1 841 67 42 1 233 284 10 0 0 0 36 82 220 11 279 4 886 |
| North Island total | 5 000 | 5 143 | 4 530 | 6 803 | 3 422 | 3 698 | 451 | 132 | 18 | 31 | 3 | 29 231 |

>>> TABLE 9.18 CONTINUED...

| | | | | | AG | E CLASS YEAR | RS | | | | | |
|---|----------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|---------------|
| TERRITORIAL AUTHORITY | 1–5 YEARS (HA) | 6–10 Years (Ha) | 11–15 YEARS (HA) | 16–20 YEARS (HA) | 21–25 YEARS (HA) | 26–30 YEARS (HA) | 31–35 YEARS (HA) | 36–40 YEARS (HA) | 41–50 YEARS (HA) | 51–60 YEARS (HA) | 61–80 YEARS (HA) | TOTAL (HA) |
| NELSON AND MARLBOROUGH WOOD SUPPLY REGION | | | | | | | | | | | | |
| Tasman District | 60 | 201 | С | С | 64 | 122 | 131 | С | С | 0 | 0 | 1 507 |
| Nelson City | 0 | 0 | С | С | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 |
| Marlborough District | 57 | 57 | 184 | 319 | 99 | 65 | 151 | С | С | 0 | 0 | 988 |
| Kaikoura District | 0 | 0 | 1 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| Region total | 117 | 258 | 488 | 938 | 163 | 187 | 282 | 55 | 25 | 0 | 0 | 2 513 |
| WEST COAST WOOD SUPPLY REGION | | | | | | | | | | | | |
| Buller District | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Grey District | 0 | 33 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 38 |
| Westland District | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 4 |
| Region total | 0 | 33 | 5 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 42 |
| CANTERBURY WOOD SUPPLY REGION | | | | | | | | | | | | |
| Hurunui District | 2 | 68 | 207 | 426 | 100 | 58 | 54 | 1 | 30 | 0 | 0 | 946 |
| Waimakariri District | 0 | 11 | 37 | 129 | 25 | 12 | 5 | 5 | 6 | 0 | 2 | 232 |
| Selwyn District | 0 | 118 | 262 | 138 | 12 | 6 | 19 | 4 | 0 | 0 | 1 | 560 |
| Christchurch City | 0 | 9 | 88 | 21 | 3 | 7 | 0 | 0 | 1 | 0 | 0 | 129 |
| Ashburton District | 1 | 2 | 26 | 26 | С | С | 7 | 30 | 0 | 0 | 0 | 157 |
| Mackenzie District | 111 | 22 | 22 | 23 | С | С | 19 | 17 | 24 | 0 | 0 | 267 |
| Timaru District | 0 | 1 | 6 | 71 | 18 | 22 | 4 | 0 | 0 | 0 | 0 | 122 |
| Waimate District | 0 | 1 | 28 | 46 | 10 | 2 | 2 | 1 | 1 | 0 | 0 | 91 |
| Region total | 114 | 232 | 676 | 880 | 246 | 123 | 110 | 58 | 62 | 0 | 3 | 2 504 |
| OTAGO AND SOUTHLAND WOOD SUPPLY REGION | | | | | | | | | | | | |
| Waitaki District | 1 | 0 | 20 | 80 | 15 | 45 | 0 | 0 | 0 | 0 | 0 | 161 |
| Queenstown-Lakes District | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Central Otago District | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| Dunedin City | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| Clutha District | 0 | 0 | 5 | 59 | 5 | 7 | 3 | 0 | 0 | 0 | 0 | 79 |
| Southland District | 65 | 106 | 158 | 157 | 78 | 15 | 57 | 10 | 51 | 0 | 0 | 697 |
| Gore District | 0 0 | 0 | 6 5 | 38 5 | 0 0 | 0 | 0 | 0 | 0 | 0 | 0 | 44 |
| Invercargill City | | 1 | - | | | 0 | | 0 | | - | 0 | 11 |
| Region total | 66 | 107 | 195 | 347 | 98 | 67 | 60 | 10 | 51 | 0 | 0 | 1 001 |
| South Island total | 297 | 630 | 1 364 | 2 165 | 507 | 377 | 456 | 123 | 138 | 0 | 3 | 6 060 |
| New Zealand total | 5 297 | 5 773 | 5 894 | 8 968 | 3 929 | 4 075 | 907 | 255 | 156 | 31 | 6 | 35 291 |

Note
1. Net stocked planted production forest area.



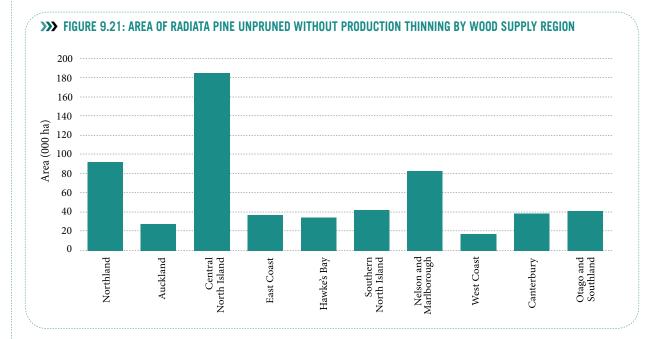
>>> TABLE 9.19: AREA¹ OF RADIATA PINE UNPRUNED WITHOUT PRODUCTION THINNING BY TERRITORIAL AUTHORITY, AS AT 1 APRIL 2011

| | | | | | | AGE CLAS | S YEARS | | | | | |
|--|----------------|----------------|----------------|----------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|------------------|
| | 1–5 | 6–10 | 11-15 | 16–20 | 21-25 | 26-30 | 31-35 | 36-40 | 41-50 | 51-60 | 61-80 | |
| TERRITORIAL AUTHORITY | YEARS (HA) | YEARS (HA) | YEARS (HA) | YEARS (HA) | YEARS (HA) | YEARS (HA) | YEARS (HA) | YEARS (HA) | YEARS (HA) | YEARS (HA) | YEARS (HA) | TOTAL (HA) |
| NORTHLAND WOOD SUPPLY REGION | | | | | | | | | | | | |
| Far North District | 6 913 | 5 791 | 3 911 | 3 670 | 4 626 | 8 260 | 534 | 548 | 61 | 1 | 0 | 34 315 |
| Whangarei District | 2 422 | 2 849 | 2 157 | 1 596 | 3 182 | 5 464 | 289 | C | C | 1 | 0 | 18 014 |
| Kaipara District Rodney District | 2 015 3 808 | 2 500 5 966 | 3 770 5 170 | 2 792 2 508 | 7 413 439 | 2 867 406 | 87 171 | 60 C | 27 C | 0 3 | 4 10 | 21 535 18 675 |
| Region total | 15 158 | 17 106 | 15 008 | 10 566 | 15 660 | 16 997 | 1 081 | 787 | 157 | 5 | 10 | 92 539 |
| | 15 150 | 17 100 | 15 000 | 10 500 | 15 000 | 10,557 | 1 001 | , 0, | | | | ,2 33, |
| AUCKLAND WOOD SUPPLY REGION | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| North Shore City Waitakere City | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 | 0 0 |
| Auckland City | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Manukau City | 0 | 130 | 121 | 957 | 140 | 8 | 30 | 0 | 0 | 0 | 0 | 1 386 |
| Papakura District | 0 | 0 | 0 | 0 | 20 | 0 | 66 | 29 | 0 | 0 | 0 | 115 |
| Franklin District | 0 | 35 | 128 | 243 | 69 | 172 | 4 | 0 | 4 | 0 | 4 | 659 |
| Thames-Coromandel District Hauraki District | 5 090 0 | 4 074 178 | 2 772 132 | 2 156 138 | 984 9 | 2 018 87 | 654 5 | 128 1 | 57 0 | 11 0 | 20 0 | 17 964 550 |
| Waikato District | 892 | 791 | 1 657 | 2 345 | 372 | 68 | 35 | 1 | 12 | 4 | 0 | 6 177 |
| Matamata-Piako District | 384 | 138 | 7 | 44 | 41 | 48 | 18 | 2 | 0 | 0 | 0 | 682 |
| Region total | 6 366 | 5 346 | 4 817 | 5 883 | 1 635 | 2 401 | 812 | 161 | 73 | 15 | 24 | 27 533 |
| CENTRAL NORTH ISLAND WOOD SUPPLY REGION | | | | | | | | | | | | |
| Hamilton City | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Waipa District | 0 | 14 | 124 | 115 | 18 | 6 | 25 | 0 | 0 | 0 | 2 | 304 |
| Otorohanga District | 0 | 264 | 642 | 612 | 68 | 137 | 4 | 15 | 0 | 0 | 0 | 1 742 |
| South Waikato District | 6 842 | 12 746 | 13 344 | 11 832 | 2 462 | 987 | 82 | 4 | 21 | 1 | 77 | 48 398 |
| Waitomo District | 3 284 | 2 336 | 1 236 | 1 263 | 163 | 367 | 96 260 | 0 | 0 | 0 | 0 | 8 745 |
| Taupo District Tauranga City | 3 682 0 | 11 553 0 | 14 137 0 | 9 117 0 | 3 558 0 | 3 558 0 | 269 0 | 44 0 | 46 0 | 12 0 | 7 0 | 45 983 0 |
| Ruapehu District | 1 836 | 1 926 | 10 803 | 2 817 | 2 186 | 3 023 | 998 | 19 | 1 | 0 | 0 | 23 609 |
| Western Bay of Plenty District | 1 167 | 2 006 | 1 388 | 622 | 1 140 | 170 | 35 | 2 | 4 | 0 | 7 | 6 541 |
| Rotorua District | 2 324 | 3 301 | 2 448 | 2 801 | 1 516 | 383 | 36 | 5 | 31 | 0 | 8 | 12 853 |
| Kawerau District | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Whakatane District Opotiki District | 9 762 745 | 7 874 816 | 4 372 592 | 4 554 540 | 551 1 972 | 401 3 603 | 48 282 | 38 10 | 9 0 | 33 0 | 1 0 | 27 643 8 560 |
| Region total | 29 642 | 42 836 | 49 086 | 34 273 | 13 634 | 12 635 | 1 875 | 137 | 112 | 46 | 102 | 184 378 |
| | 2, 012 | 12 050 | 17 000 | 512/5 | 15 05 1 | 12 035 | 10/5 | 107 | | | 102 | 1013/0 |
| EAST COAST WOOD SUPPLY REGION Gisborne District | 3 693 | 6 689 | 9 381 | 6 857 | 3 018 | 5 597 | 1 153 | 893 | 58 | 3 | 6 | 37 348 |
| Region total | 3 693 3 693 | 6 689 | 9 381 9 381 | 6 857 | 3 018 | 5 597 5 597 | 1 155 | 893 893 | 58 58 | 3 | 6 | 37 348 37 348 |
| | 5 075 | 0.002 | 9 501 | 0 037 | 5018 | 5 597 | 1 155 | 095 | 50 | | U | 37 340 |
| HAWKE'S BAY WOOD SUPPLY REGION | 1.020 | 1.555 | 2 207 | 1 220 | 22 | 2 000 | 120 | | 11 | 2 | 0 | 10.227 |
| Wairoa District Hastings District | 1 938 5 165 | 1 555 6 034 | 2 307 5 191 | 1 238 2 859 | 23 232 | 3 009 627 | 139 219 | 4 82 | 11 C | 3 C | 0 0 | 10 227 20 458 |
| Napier City | 0 | 0 0 0 4 | 0 | 2 0 0 0 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 20 430 |
| Central Hawke's Bay District | 19 | 260 | 2 249 | 519 | 214 | 223 | 47 | 41 | С | С | 14 | 3 624 |
| Region total | 7 122 | 7 849 | 9 747 | 4 617 | 469 | 3 865 | 405 | 127 | 68 | 33 | 14 | 34 316 |
| SOUTHERN NORTH ISLAND WOOD SUPPLY REGION | | | | | | | | | | | | |
| New Plymouth District | 0 | 90 | 153 | 246 | 49 | 21 | 19 | 23 | 0 | 0 | 0 | 601 |
| Stratford District | 336 | 349 | 199 | 478 | 32 | 361 | 8 | 0 | 0 | 0 | 0 | 1 763 |
| South Taranaki District | 5 | 314 | 419 | 881 | 288 | 186 | 68 | 24 | 18 | 3 | 1 | 2 207 |
| Wanganui District | 711 | 1 230 | 1 186 | 1 382 | 19 | 50 | 44 | 6 | 6 | 0 | 9 | 4 643 |
| Rangitikei District Manawatu District | 2 41 | 413 374 | 3 215 333 | 1 246 670 | 96 49 | 114 154 | 71 110 | 100 17 | 181 6 | 8 0 | | 5 446 1 758 |
| Palmerston North City | 301 | 43 | 34 | 71 | 32 | 51 | 195 | 59 | 0 | 0 | 4 0 | 786 |
| Horowhenua District | 363 | 564 | 101 | 556 | 42 | 45 | 121 | 33 | 0 | 0 | 2 | 1 827 |
| Tararua District | 372 | 794 | 4 007 | 2 497 | 328 | С | С | 41 | 19 | С | 2 | 8 764 |
| Kapiti Coast District | 0 | 182 | 215 | 15 | 21 | C | C | 10 | 1 | 0 | 0 | 557 |
| Upper Hutt City Porirua City | 5 0 | 207 0 | 203 2 | 253 283 | 361 508 | C 76 | 91 0 | 9 0 | 160 0 | C 0 | 0 0 | 1 510 869 |
| Wellington City | 0 | 0 | 23 | 16 | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 58 |
| Lower Hutt City | 0 | 0 | 2 | 26 | 0 | 7 | 18 | 5 | 0 | 0 | 0 | 58 |
| Masterton District | 368 | 1 162 | 1 196 | 2 011 | 442 | 564 | 275 | 199 | 156 | 9 | 0 | 6 382 |
| Carterton District | 165 | 608 | 1 236 | 616 | 160 | 150 | 48 | 86 | 70 | 4 | 0 | 3 143 |
| South Wairarapa District | 16 | 529 | 472 | 429 | 236 | 192 | 97 | 100 | 61 | 1 | 1 | 2 134 |
| Region total | 2 685 | 6 859 | 12 996 | 11 676 | 2 682 | 2 654 | 1 504 | 712 | 678 | 41 | 19 | 42 506 |
| North Island total | 64 666 | 86 685 | 101 035 | 73 872 | 37 098 | 44 149 | 6 830 | 2 817 | 1 146 | 143 | 179 | 418 620 |
| | | | | | | | | | | | | |

>>> TABLE 9.19 CONTINUED...

| | | | | | | AGE CLAS | SS YEARS | | | | | |
|---|----------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|---------------|
| TERRITORIAL AUTHORITY | 1–5 Years (HA) | 6–10 YEARS (HA) | 11–15 YEARS (HA) | 16–20 Years (Ha) | 21–25 Years (Ha) | 26–30 Years (Ha) | 31–35 YEARS (HA) | 36–40 Years (Ha) | 41–50 Years (HA) | 51–60 Years (HA) | 61–80 Years (HA) | TOTAL (HA) |
| NELSON AND MARLBOROUGH WOOD SUPPLY REGION | | | | | | | | | | | | |
| Tasman District | 14 153 | 12 860 | 7 298 | 9 415 | 3 802 | 2 864 | 643 | 117 | 156 | 15 | 13 | 51 336 |
| Nelson City | 2 170 | 1 533 | 1 1 2 1 | 1 186 | 280 | 256 | 0 | 11 | 1 | 0 | 0 | 6 558 |
| Marlborough District | 5 295 | 3 963 | 4 477 | 6 671 | 1 607 | 1 589 | 678 | 279 | 120 | 27 | 2 | 24 708 |
| Kaikoura District | 0 | 23 | 32 | 26 | 2 | 20 | 6 | 0 | 1 | 2 | 0 | 112 |
| Region total | 21 618 | 18 379 | 12 928 | 17 298 | 5 691 | 4 729 | 1 327 | 407 | 278 | 44 | 15 | 82 714 |
| WEST COAST WOOD SUPPLY REGION | | | | | | | | | | | | |
| Buller District | 6 | 176 | 91 | 114 | 7 | С | С | 3 | 4 | 0 | 0 | 522 |
| Grey District | 1 588 | 2 593 | 1 778 | 1 312 | 623 | С | С | 68 | 89 | 0 | 0 | 10 313 |
| Westland District | 1 1 3 1 | 934 | 2 117 | 1 006 | 403 | 346 | 325 | 122 | 15 | 1 | 0 | 6 400 |
| Region total | 2 725 | 3 703 | 3 986 | 2 4 3 2 | 1 033 | 2 500 | 554 | 193 | 108 | 1 | 0 | 17 235 |
| CANTERBURY WOOD SUPPLY REGION | | | | | | | | | | | | |
| Hurunui District | 1 981 | 4 1 3 9 | 5 487 | 3 903 | 2 909 | 1 357 | 111 | 5 | 6 | 8 | 6 | 19 912 |
| Waimakariri District | 495 | 1 011 | 2 4 4 6 | 2 320 | 1 409 | 312 | 58 | 11 | 15 | 36 | 0 | 8 1 1 3 |
| Selwyn District | 284 | 498 | 759 | 998 | 278 | 346 | 149 | 342 | 23 | 2 | 0 | 3 679 |
| Christchurch City | 107 | 153 | 483 | 451 | 257 | 132 | 170 | 51 | 5 | 1 | 22 | 1 832 |
| Ashburton District | 278 | 272 | 311 | 174 | 50 | 115 | 115 | 11 | 8 | 6 | 14 | 1 354 |
| Mackenzie District | 39 | 31 | 76 | 221 | 27 | 12 | 5 | 40 | 14 | 2 | 0 | 467 |
| Timaru District | 58 | 76 | 343 | 775 | 230 | 49 | 10 | 0 | 11 | 0 | 0 | 1 552 |
| Waimate District | 4 | 269 | 518 | 347 | 251 | 534 | 95 | 28 | 22 | 24 | 5 | 2 097 |
| Region total | 3 246 | 6 449 | 10 423 | 9 189 | 5 411 | 2 857 | 713 | 488 | 104 | 79 | 47 | 39 006 |
| OTAGO AND SOUTHLAND WOOD SUPPLY REGION | | | | | | | | | | | | |
| Waitaki District | 311 | 609 | 594 | 758 | 268 | 371 | 50 | 29 | 18 | 12 | 2 | 3 0 2 2 |
| Queenstown-Lakes District | 0 | 10 | 14 | 24 | 12 | 5 | 13 | 0 | 1 | 20 | 6 | 105 |
| Central Otago District | 0 | 95 | 133 | 311 | 23 | 35 | 34 | 4 | 8 | 4 | 32 | 679 |
| Dunedin City | 226 | 35 | 95 | 421 | 180 | 706 | 251 | 5 | 10 | 13 | 1 | 1 943 |
| Clutha District | 1 884 | 4 291 | 3 308 | 2 215 | 850 | 975 | 289 | 63 | 10 | 10 | 5 | 13 900 |
| Southland District | 2 127 | 4 702 | 4 387 | 4 400 | 2 258 | 2 4 4 4 | 331 | 127 | 92 | 16 | 0 | 20 884 |
| Gore District | 6 | 46 | 389 | 376 | 32 | 23 | 24 | 6 | 20 | 1 | 0 | 923 |
| Invercargill City | 0 | 4 | 33 | 17 | 14 | 31 | 8 | 0 | 4 | 0 | 0 | 111 |
| Region total | 4 554 | 9 792 | 8 953 | 8 522 | 3 637 | 4 590 | 1 000 | 234 | 163 | 76 | 46 | 41 567 |
| South Island total | 32 143 | 38 323 | 36 290 | 37 441 | 15 772 | 14 676 | 3 594 | 1 322 | 653 | 200 | 108 | 180 522 |
| New Zealand total | 96 809 | 125 008 | 137 325 | 111 313 | 52 870 | 58 825 | 10 424 | 4 1 3 9 | 1 799 | 343 | 287 | 599 142 |

Note
1. Net stocked planted production forest area.



APPENDIX 1: GLOSSARY

Age: The ages of forest areas are as at 1 April of the survey year. A forest area is age one as at 1 April 2011 if it was planted in the preceding 12-month period, that is, between 1 April 2010 and 31 March 2011.

Confidentiality: Figures are considered confidential if the figure is made up of fewer than three owners' information or where one owner's data makes up more than 80 percent of the number. Forest owners are asked whether they are prepared to waive these strict confidentiality criteria in relation to the data they supply. If a number does not meet the confidentiality criteria and one of the contributors to the confidential number is not prepared to waive the confidentiality rules then that number is not published.

Clear fell: To harvest all merchantable trees within a specified physical area of land.

Crop type: For the purpose of the NEFD, a crop type is defined as an aggregate of forest stands of the same species group and tending regime located within the same territorial authority area. The crop type definitions are mutually exclusive.

Land cover types prior to afforestation:

- "Improved pasture" is land that contains improved pasture species and/or has been fertilised.
- "Unimproved pasture" is land with no improved pasture species that has not been fertilised.
- "Other woody land" is land predominantly covered in species such as bracken, gorse, manuka, kanuka or other woody plant species.

Net stocked forest area: The planted production forest area occupied by trees excluding mappable gaps such as landings, roads and other unstocked areas.

New planting: The planting of trees for the primary purpose of producing wood or wood fibre, on land that has not previously been used for growing planted production forests.

Planted production forest: An area of trees not less than one hectare in size, planted and managed with the intention of producing wood or wood fibre. In New Zealand almost all planted production forests are made up of introduced tree species.

The NEFD survey does not aim to collect information on individual forests. Instead, it collects the forest area by crop type of all forests administered by each forest owner or manager.

Replanting: The replanting of a planted production forest area that has been clear felled.

Rotation number:

- The first rotation is stands of forest planted on land not previously in planted forest.
- The second and subsequent rotations are stands of forest growing on land from which a previous forest crop has been grown and harvested.

Species group: Six groupings of tree species are used to describe the national planted production forest resource:

- Radiata pine (*Pinus radiata*);
- Douglas-fir (Pseudotsuga menziesii);
- cypress species;
- other softwoods;
- eucalypt species;
- other hardwoods.

Where a mixture of species is present the area is allocated to the crop type of the dominant species group. **Stand:** A defined area of standing trees or forest, usually of one species, age and tending regime.

Standing volume: The total volume (in cubic metres) of wood contained in all live crop stems of all age classes. The standing volume includes some non-recoverable volume such as stumps and the non-merchantable tops of stems, but excludes bark.

Tending regime: The tending regime is based on the current management, or prior to application of tending, the intention to carry out pruning or production thinning.

Radiata pine has four tending regime categories, Douglasfir has two, and other softwoods and hardwoods are not assigned a tending regime.

The radiata pine tending regime categories are:

- pruned with production thinning;
- pruned without production thinning;
- unpruned with production thinning;
- unpruned without production thinning.

The Douglas-fir tending regime categories are:

- with production thinning;
- without production thinning.

"Pruned" refers to pruning carried out before age 12 so that more than 50 percent of the stems in the planned final crop stocking will contain a pruned butt log of not less than four metres in length.

"Production thinning" refers to the extraction of thinnings for commercial use. Stands that have been production thinned produce a smaller clear fell volume than stands that have not been production thinned. **Territorial authority:** District and city council areas adopted in October 1989 (see Table 7.1 and Figures 7.1 and 7.2 on pages 14–17).

TRVIB: Total recoverable volume inside bark. This is the volume of wood recovered during harvesting, excluding bark, expressed in cubic metres.

Wood supply region: Zones in New Zealand where forest stands of the same species and tending regime are represented by the same generalised yield table. These regions reflect wood supply processing catchments, and reconcile with aggregates of territorial authorities. Ten regions were identified by the NEFD Steering Committee in 1989 (see Table 7.1 and Figures 7.1 and 7.2 on pages 14–17).

Yield table: A tabular representation of forest yield in cubic metres per hectare. The yield table is expressed in terms of total standing volume, total recoverable volume and three log type volumes, together with any production thinning volumes by age (one to 80 years). There is a separate yield table for each crop type.

APPENDIX 2: 2011 NEFD QUESTIONNAIRE

| SE | CTION | A: FORES | T OWNER | RSHIP | | | | |
|--|---|---|---|--|--|---|---|----------------------------|
| Note the owner, and the owner, | privately local go state ow at the followin and to follow | up any apparent problem | section does not g | o into any publicati ata is correct. This | registered po central gove other (please n, but is used on s important when | ublic company rnment specity) | | ent |
| Give Nan New Nan Terr | NO • YES • details of t me of new o e owner's a me of forest ritorial auth | Go to question 3. What did your en osold forest of he new owner, the wmer ddress | terprise sell? (b) only (e forest location and is located | ick one circle only sold land o | nly (| 010 to 31 March 20 | | |
| detail Nam Prev Nam Terr or le Area | Is of the previous owner ne of forest ritorial auth cased is loca a of forest p | evious owner, the ous owner r's address /land purchased or ority where forest/ nted ourchased or leased | forest/land los r leased land purchased d (hectares) | cation and the | area purchase | d or leased: | to 31 March 2011, plea | |
| to 31 pleas Lan Lan Nan Terr | March 201 e give deta d owner's r d owner's a ne of land | 11 and another pa ils of the other pa iame ddress sority where land i | rty will now be rty and land ar | responsible fo | r future use o | f the land (e.g. you | ig the period 1 April 2 have handed back the | |
| > INST his quest Please r Please r If you h Section MAF n a forest o Te | RUCTIONS tionnaire or review and note that se have forest i eeds forest area owne rritorial au | ontains one or mor update the enclose cond and subseque area that is not incl data split by forest | e pages pre-pri d pre-printed p ent rotation for uded on the pr species, tendin , please use a se forest is located | nted with the fo pages. If there h ests need to be e-printed pages g regimes, rotal sparate copy of t | rest area by a as been no cha recorded on a , please provic ion and locati he blank form o | ge data your enterpr ange, you need only separate form to firs de this information u ion. If any one of the | ising the blank form at following attributes is <mark>n B</mark> for that forest area | page. the en differe |

Additional blank forms are available from Survey Support on 0800 778 901 or email NEFD@maf.govt.nz. Alternatively, photocopy the blank form at the end of Section B – Blank area by age data form.

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> See the guide notes

> Contact survey support 0800 778 901

| | SECTIO | N B CON | TINUED: A | REA BY A | ge data | AS AT 1 | APRIL 20 | 11 – BL | ANK FOR | RM | | |
|----|--|--|------------------------------------|--|--|------------------|--|--|------------------|---|--|------------------|
| | Please con Survey Sup | plete the fo | llowing question 0 778 901 or 0 | | cannot give .govt.nz. | only one answ | LUDED O ver for each ques level. | | | | | |
| 1. | Territori | al author | ity where t | he forest is lo | ocated: | | | | | | | |
| 2. | Forest of | wner's na | me | | | | | | | | | |
| 3. | Rotation | number | (tick one circ | le only] | | | | | | | | |
| - | - | t rotation | form one and | - | ond or su | bsequent re | otation | | | | | |
| 4. | Species | tick one cir | cle only) | | | | | | | | | |
| | in i | | so to 5. | O De | uglas-fir (| • go to 6. | 0 91 | press spec | ies • go to | 7. | | |
| | O oth | er softwo | ods • go to | 7. Ö eu | calyptus . | go to 7. | O ot | her hardw | oods • go | to 7. | | |
| 5. | Radiata | pine tend | ing regime | or intende | d tending | regime (fic | k one circle on | ly) | | | | |
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| | pro pro | duction t | hinning | - pro | aduction t | hinning | pn pn | oduction | thinning | - pro | duction th | unning |
| 6. | - | | | | | | one circle only | } | | | | |
| | () wit | h product | ion thinnin | ig () wit | thOUT pr | oduction th | inning | | | | | |
| 7. | As at 1 A | pril 2011 | give the are | ea in hectare | s of trees of | of each age, | and the total | l area. He | ctares may | be given to o | one decim | al point. |
| | year planted | age in 2011 | net area (ha) | year planted | age in 2011 | net area (ha) | year planted | age in 2011 | net area (ha) | year planted | age in 2011 | net area (ha) |
| | 2010 | 1 | | 1989 | 22 | | 1968 | 43 | | 1947 | 64 | |
| | 2009 | 2 | | 1988 | 23 | | 4.4.4.4 | 44 | | 1946 | 65 | |
| | 2008 | | | | | | 1967 | 44 | | 1940 | | |
| | | 3 | | 1987 | 24 | | 1967 1966 | 44 | | 1945 | 66 | |
| | 2007 | 3 | | 1987 1986 | 24 25 | | | | | | 66 67 | |
| _ | | | | | | | 1966 | 45 | | 1945 | | |
| | 2007 | 4 | | 1986 | 25 | | 1966 1965 | 45 46 | | 1945 1944 | 67 | |
| | 2007 2006 | 4 5 6 7 | | 1986 1985 1984 1983 | 25 26 27 28 | | 1966 1965 1964 | 45 46 47 48 49 | | 1945 1944 1943 | 67 68 69 70 | |
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| Territorial authority in w Planting for the year end Species | led 31 December 2010 New planted area f Give the area plante | | | | |
|--|--|--|--|--|--|
| Species | New planted area f Give the area plante | 5 | | | |
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| Padiata piga | for growing comme | ed on a site r | iot already in use | | |
| Radiata piga | (i.e. first rotation fo | rest). | | | |
| Radiata pine | | | hi | - | h |
| Douglas-fir | | | ha | - | h |
| Cypress species Other softwoods | | | hi | | h |
| Eucalypts species | | | ha | | h |
| Other hardwoods | | | h | | h |
| Total | | | ha | | h |
| Other woody land Unimproved pasture Improved pasture Total new planted area Harvesting for the year e | | ha ha ha | land vot fertilised, wi land that has been fer Note this total should | overed in bracken, gorse, manuk ih no improved pasture species s tillised and contains improved p tillised and contains improved p be the same as the total new pla | iown asture species |
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| | | | | ise decision? (i.e. area that has been | |
| | | ether to replant or conv ded back to landowner as stated i | | te il anea is zero please write 'O". Exclude area | given in Question <mark>7</mark> in h |
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| | | felled between 1 April 2 on-forest land use? Note i | | at area was converted (or are in the | |
| com | verteu) to a n | on-torest land use: with | n anta is zero prose write 'V'. | | h |
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| com | verteu) to a n | ou-rorest land use. Nor | and is this place when v . Choice a | na fuan m antaon 14 m arcanta, an fuan m | h h |
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| • Fo | r more informatio | on please see the guide notes, p | phone Survey Support on 0800 778 9 | 01 or email NEFD@maf.govt.nz | |
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APPENDIX 3: NEW PLANTING IMPUTATION METHODOLOGY

Since 1992, MAF has conducted an annual forest nursery survey. This nursery survey measures the sales of planting stock from commercial forest nurseries. Details of how this survey is operated are described in *Predicting and Measuring New Planting from Nursery Surveys* (Eyre, 1995). An estimate of total national new planting is calculated from the reported numbers of seedlings sold, and estimates of replanting and new planting are then derived. The nursery survey provides the most complete indicator of the area of new forest established each year. The methodology was reviewed in 2003 (Manley *et al*, 2003).

For the calendar years 1992 to 2006 additional new planting areas not directly captured in the NEFD surveys were estimated (imputed) based on the nursery survey and added to the NEFD dataset. No additional new planting was added for the 2007 to 2010 calendar years because of the very low levels of new forest planting that took place in those years.

Table 3.1 compares the new planting figures collected in the NEFD postal surveys with the nursery survey estimates.

The national new planting adjustments were then distributed into territorial authorities using the proportions indicated from the new planting collected in the postal survey. See Table 9.7 (page 26–27).

Within each territorial authority imputed new planting was allocated to NEFD crop types using the postal survey results in the following way:

- The imputed new planting was allocated into species groups based on the relative proportions of each species group within the one to five year age class.
- For radiata pine, the imputed new planting was allocated into the four NEFD tending regimes, based on the relative proportion of each of these tending regimes

across all the age classes. All the Douglas-fir imputed new planting was allocated to the "without production thinning" tending regime.

Historically, imputed new planting estimates are revised each year, based on any new information on the area of young forest captured directly in the NEFD survey.

ASSUMPTIONS

The inclusion of imputed new planting into the 2011 NEFD dataset makes the following assumptions.

- The new planting estimates from the nursery seedling surveys are the actual areas of new planting established between 1992 and 2006.
- The imputed new planting in each territorial authority occurs in the same proportion as the new planting captured in the NEFD surveys.
- Imputed new planting for radiata pine is assigned to the tending regimes in the same proportions as the radiata pine new planting captured in the NEFD surveys.

APPENDIX 4: THE NEFD STEERING COMMITTEE

The NEFD Steering Committee has been constituted by the New Zealand Forest Owners Association and the Ministry of Agriculture and Forestry to oversee the preparation of each edition of the National Exotic Forest Description. Members of the Steering Committee during the preparation of this report were:

Fiona Thomson

Ministry of Agriculture and Forestry

The Steering Committee's terms of reference are included in Appendix 5.

Ministry of Agriculture and Forestry

MEMBER NOMINATED BY Alan Bell Alan Bell & Associates New Zealand Forest Owners Association Philip Elworthy New Zealand Forest Owners Association Rayonier New Zealand Ltd Stuart Anderson Ministry of Agriculture and Forestry Ministry of Agriculture and Forestry Chris Goulding SCION Ministry of Agriculture and Forestry Ian Hinton (Chairman) Timberlands Ltd New Zealand Forest Owners Association Ross Iones Hancock Forest Management New Zealand Forest Owners Association Paul Lane Ministry of Agriculture and Forestry Ministry of Agriculture and Forestry Hamish Levack Farm Forestry Association Ministry of Agriculture and Forestry Jane Davidson Ministry of Agriculture and Forestry Ministry of Agriculture and Forestry Bruce Manley School of Forestry, University of Canterbury Ministry of Agriculture and Forestry Peter Oliver **City Forests** New Zealand Forest Owners Association John Novis Ministry of Agriculture and Forestry Ministry of Agriculture and Forestry Guy Sanders Statistics New Zealand Ministry of Agriculture and Forestry Alice Marfell-Jones Ministry of Agriculture and Forestry Ministry of Agriculture and Forestry

APPENDIX 5: THE NEFD STEERING COMMITTEE'S TERMS OF REFERENCE

The New Zealand Forest Owners Association and the Ministry of Agriculture and Forestry have agreed that the Steering Committee shall:

- produce a five-year strategic plan, which outlines
 long term strategies to maintain the quality of planted
 production forest resource information collected and
 plans for projects of a longer-term nature such as
 wood supply forecasts. This strategic plan needs to be
 submitted through the Director-General of Agriculture
 and Forestry and the Board of the New Zealand Forest
 Owners Association.
- prepare an annual work plan and budget for NEFD activity, outlining details of statistics to be collected, how they are to be handled, the analysis to be performed and products to be produced during the year. This work plan is to be submitted through the Director-General of Agriculture and Forestry to the Board of the New Zealand Forest Owners Association by 31 May of each year (Review and approval by the Director-General and the Board are required by 30 June of that year).
- prepare an annual report reviewing the year's work and achievements. This report is to be submitted to the Director-General of Agriculture and Forestry and to the Board of the New Zealand Forest Owners Association by 31 July each year.
- monitor user satisfaction with the NEFD outputs through the use of client surveys and through direct discussion with user representatives.
- advise the Ministry of Agriculture and Forestry Senior Management Team and the Forest Owners Association Board of any significant issues that the Steering Committee is unable to resolve.

- oversee the preparation of each edition of the *National Exotic Forest Description.*
- commission forecasts of future wood supply from New Zealand's planted production forests.
- ensure that all users are able to subscribe to NEFD reports on an equitable basis, with no barriers to access.
- advertise and promote the availability of NEFD reports.
- sponsor research by suitable bodies to improve the quality of NEFD information.

APPENDIX 6: REFERENCES

AgriQuality New Zealand (2005) *Small Forest Grower Survey Report.*

Eyre, J (1995) Predicting and Measuring New Planting from Nursery Surveys. *New Zealand Journal of Forestry*, August 1995, pp 45–46.

Manley B; Somerville O; Turbitt M; Lane P (2003) Review of New Planting Estimates. *New Zealand Journal of Forestry*, November 2003, pp 34–37.

Manley, B (2011) *2010 Deforestation Survey.* University of Canterbury. http://www.maf.govt.nz/news-resources/ publications.

Ministry of Agriculture and Forestry (2010) *National Exotic Forest Description as at 1 April 2009.*

Ministry of Agriculture and Forestry (2011) *Annual Log and Roundwood Removal Statistics*. http://www.maf.govt. nz/news-resources/statistics-forecasting/forestry/ annual-log-and-roundwood-removal-statistics.aspx Ministry of Forestry (1996) A National Exotic Forest Description as at 1 April 1995.

Ministry of Forestry (1996) NEFD Regional Yield Tables as at 1 April 1995.

New Zealand Forest Owners Association (2010) New Zealand Forest Industry Facts & Figures 2009/2010.

Statistics New Zealand (2009) 2007 Agricultural Production Census. http://www.stats.govt.nz/browse_for_ stats/industry_sectors/agriculture/ agriculturalproduction_hotpjun07final.aspx

Statistics New Zealand (2010) 2010 Agricultural Production Survey. http://www.stats.govt.nz/browse_for_ stats/industry_sectors/agriculture-horticulture-forestry/ agriculturalproduction_hotpjun10prov.aspx

APPENDIX 7: FURTHER INFORMATION

The area data and yield tables and additional information are available from: Information and Analysis Ministry of Agriculture and Forestry PO Box 2526 Wellington, 6140

| Telephone: | 0800 008 333 |
|------------|------------------------|
| Facsimile: | 64-4-894 0741 |
| Email: | stats_info@maf.govt.nz |

An electronic copy of this report is available on the New Zealand Ministry of Agriculture and Forestry's internet site: http://www.maf.govt.nz. The tables from this electronic report can be downloaded directly into Microsoft Excel.

Area and yield data are available from the NEFD dataset for any combination of territorial authority area, species, silvicultural regime and age class. The Ministry of Agriculture and Forestry will provide such data on request, subject to its standard charging procedures. This information can be provided electronically or in printed form.

For reasons of confidentiality, data on the resources of individual forest growers and data at a lower level of resolution than that published in this report will not be released without the prior written consent of the forest owner(s) concerned.

The Ministry of Agriculture and Forestry welcomes any comments on the presentation of this report. These can be directed to the Information and Analysis unit, based at the Wellington address above.