



# National Exotic Forest Description

as at 1 April 2024



New Zealand  
FARM FORESTRY ASSOCIATION



Te Uru Rākau

New Zealand Forest Service

## Acknowledgements

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## Enquiries

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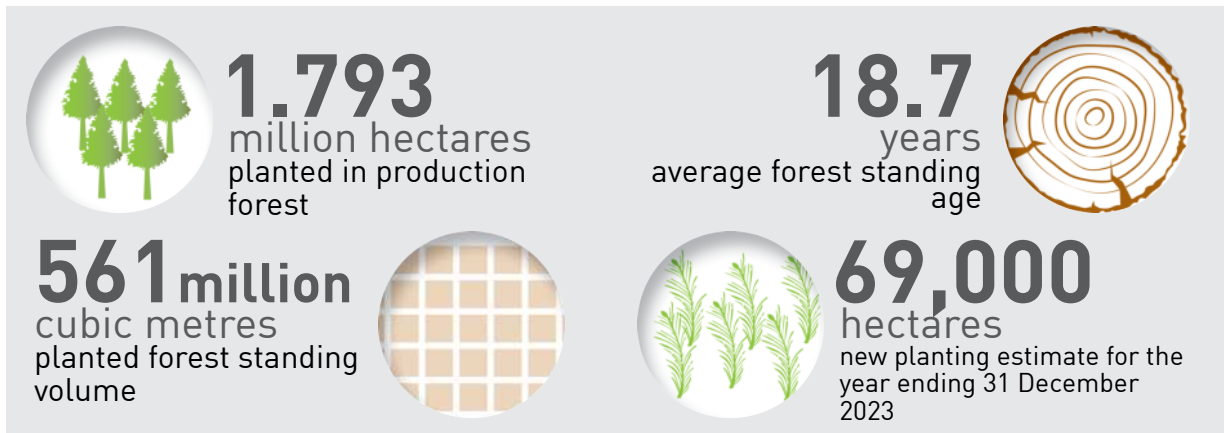
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# Key facts as at 1 April 2024



New Zealand's net stocked planted production forest covered an estimated 1.793 million hectares as at 1 April 2024.

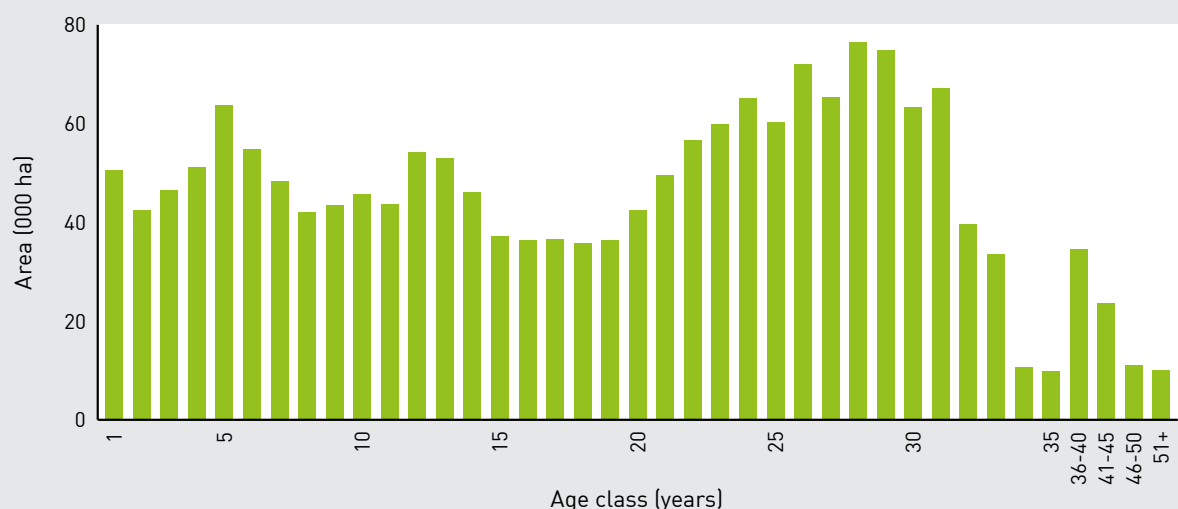
The total planted forest standing volume was estimated to be 561 million cubic metres with an average age (area weighted) of 18.7 years.

The provisional new planting estimate for the year ending 31 December 2023 is 69,000 hectares. This number may be revised in future publications.

Table 1 on the following page provides key national forestry statistics as at 1 April 2024, as well as the statistics for 2022 and 2023 for comparison.

The distribution of the forest area by annual age class is shown in Figure 1. The decrease in area as age increases beyond 31 years indicates harvesting. Of particular note is the large area of forest between 25 to 31, years old, planted between 1999 and 1993, that has reached harvest age.

Figure 1: Forest area by annual age class<sup>1</sup>



Note

1. The area is shown for each age in single years up to 35 years. After this, age classes are aggregated.

Table 1: National exotic forest estate statistics

Area and standing volume statistics	As at 1 April 2022	As at 1 April 2023 published <sup>4</sup>	As at 1 April 2023 revised <sup>7</sup>	As at 1 April 2024
<b>Forest area</b>				
Net stocked area (ha)	1,757,447	1,788,799	1,789,479	1,792,641
Harvested area awaiting replanting (ha)	46,101	40,196	39,958	44,095
Total forest area	1,803,548	1,828,995	1,829,437	1,836,736
<b>Growth characteristics</b>				
Standing volume (000 m <sup>3</sup> )	547,251	567,421	567,597	560,773
Average standing volume (m <sup>3</sup> /ha)	311	317	317	313
Area-weighted average age (years)	18.6	18.8	18.8	18.6
<b>Area by species<sup>2</sup></b>				
Radiata pine (ha)	1,587,463	1,618,607	1,618,770	1,623,751
Douglas-fir (ha)	100,105	97,003	97,422	96,396
Cypress species (ha)	9,057	9,572	9,581	9,673
Other softwoods (ha)	25,290	27,032	27,101	28,012
Eucalypts (ha)	22,036	22,195	22,210	22,131
Other hardwoods (ha)	13,497	14,390	14,394	12,677
<b>Radiata pine area by tending regime</b>				
Pruned with production thinning (ha)	137,638	139,513	139,520	159,245
Pruned without production thinning (ha)	509,954	524,533	524,514	463,649
Unpruned with production thinning (ha)	66,201	71,737	71,742	96,262
Unpruned without production thinning (ha)	873,669	882,824	882,994	904,594

Planting statistics	Year ended 31 December 2021	Year ended 31 December 2022 p	Year ended 31 December 2022 r	Year ended 31 December 2023
<b>New planting<sup>3</sup></b>				
Total estimated new planting (ha)	42,000	70,000	64,000	69,000
Replanting (ha)	40,415	32,279	28,540	36,558

Harvesting statistics <sup>5</sup>	Year ended 31 March 2022	Year ended 31 March 2023 p	Year ended 31 March 2023 r	Year ended 31 March 2024
<b>Harvesting</b>				
Estimated planted forest roundwood removal (000 m <sup>3</sup> ) <sup>6</sup>	34,401	33,700	33,700	33,564
Average harvest age - radiata pine (years) <sup>8</sup>	29.0	28.0	28.0	28.0

**Notes**

1. 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.
2. Individual entries may not add to totals due to rounding. Detailed breakdowns can be found in the Forest area by age class and wood supply region section, page 19.
3. 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. See Appendix 5 for the method used to estimate new planting for the NEFD.
4. 2023 was a sample year. The survey sought data from owners with 1000 hectares of forest or more only.
5. All standing and harvest volumes are reported as recoverable volumes (see Appendix 1).
6. Estimate from the annual roundwood removal statistics.
7. The net stocked area for 2023 has been revised following updated returns from respondents, and correction of data.
8. Average harvest age data should be used with caution.

Figure 2: Wood Supply Regions and Territorial Authorities in New Zealand



# Overview of the NEFD

## What is the NEFD?

The National Exotic Forest Description (NEFD) is a Tier 1 Statistic<sup>1</sup> with the purpose of maintaining an authoritative, high quality database of New Zealand's production forests. It has been published annually since 1985 and gives information on New Zealand's exotic planted production forest estate (i.e. exotic forest planted with the primary intention of producing wood or wood fibre).

## What does the NEFD report on?

This report provides information that describes New Zealand's planted production forests. It consists of summarised statistics on:

- exotic planted production forest area by age class and territorial authority for key exotic species. For radiata pine, the area by age class tables are also provided by silviculture regime;
- standing volume (see Appendix 1);
- national harvesting volume estimates;
- planting estimates for forests larger than 40 ha; and
- forest ownership for forests larger than 40 ha.

## Who participates in the NEFD?

The NEFD surveys known forest owners and managers with at least 40 hectares of planted exotic production forest. The survey is run on a two-yearly cycle, where all known forest owners with 40 or more hectares of forest are surveyed one year (census), and the next year only owners with more than 1,000 hectares (sample).

Questionnaires were sent to all known forest owners and managers with over 40 hectares of forest in 2024. In addition we have supplemented survey data for East Coast and Hawke's Bay with spatial data as a step towards improving data quality and reducing respondent burden in the NEFD.

## Information on forests smaller than 40 hectares

The area for owners with less than 40 hectares is mostly estimated using the 2004 AgriQuality Small Forest Growers (<40 ha) Survey, an imputation based on new planting from 1992-2006, and forests previously surveyed in the NEFD that have dropped below the 40 hectare area cut-off. The estimate is used because of limitations and practicalities of surveying the large numbers of small growers. The 2024 NEFD data includes spatial collection for the East Coast and Hawke's Bay regions, which includes forests smaller than 40 hectares as part of the dataset. More information on the methods used for these estimates and the accuracy constraints is in Appendix 5.

<sup>1</sup> Tier 1 statistics are the most important statistics in New Zealand, essential to understand how well New Zealand is performing and to inform critical decisions. For more information, see: [www.data.govt.nz/catalogue-guide/showcase/official-statistics/](http://www.data.govt.nz/catalogue-guide/showcase/official-statistics/)

## Reliability of Data

The reliability of data decreases as forest sizes reduce. Forest owners of larger forests (1,000 or more hectares) generally have the systems to provide higher quality data compared to those with small forestry blocks. Work to improve the reliability of the NEFD data is underway. Resulting improvements to the data will be published in future NEFD reports.

Table 2: Survey frequency and data quality by forest size

Forest ownership size (hectares)	Survey Frequency	Data quality
1,000ha or more	Annually	Good
999ha to 40ha	Every two years	Low
Below 40ha	Infrequently	Low

For a detailed description of the methodology employed to collect the data, ensure reliability and to calculate imputations, please refer to Appendix 5.

## New planting and change in total net stocked area

The change in net stocked area between 2023 and 2024 derived from Table 1 differs from the new planting figure of 69,000 hectares stated above. The main sources of this discrepancy are due to:

- Different data sources used to estimate net stocked area versus new planting. It is likely that not all new planting data gathered via the afforestation survey (new source for planting data, see Appendix 5 for further detail) is reported as net stocked area in the 2024 NEFD survey as respondent coverage and survey response rates differ between the two sources.
- Cyclone Gabrielle resulted in a reduction in forest area that may not be captured in the data reported through the NEFD survey. For example, if a forest owner who lost trees in the cyclone didn't return their survey we would carry forward their previous response.
- Inclusion of spatial data for the East Coast and Hawkes Bay resulting in a net reduction of around 16,000 hectares of forest in 2024 compared to 2023.

## Other sources of information

In addition to the data collected in the surveys, the NEFD uses other government data sources where appropriate. For example, Emission Trading Scheme area and species data can be used instead of surveying with owner permission, and log and roundwood data collected by MPI provides a comparison for harvest volumes. For further information, please refer to the NEFD technical document (Appendix 5). In addition, roundwood removal data is validated against Forest Growers Levy data.



## Who uses the NEFD?

The data collected in the NEFD is used to inform the forestry sector, the wood processing industry, and central and local government policymakers and planners about New Zealand's planted forest estate. The information also assists with international reporting obligations, and is the foundation for creating wood availability forecasts which identify wood processing opportunities in New Zealand.

## Governance of the NEFD

Collection and publishing of NEFD information is overseen by the NEFD Steering Committee – a Forest Industry Committee with members nominated by the New Zealand Forest Owners Association, the New Zealand Farm Forestry Association, and the Ministry for Primary Industries. A full list of this committee can be found in Appendix 3.

## What are New Zealand's wood supply regions?

The NEFD groups the sixty-six District and City Councils within New Zealand into nine wood supply regions. These regions have broadly similar growth patterns for radiata pine, representing wood supply and processing catchments. The wood supply regions are: Northland, Central North Island, East Coast, Hawke's Bay, Southern North Island, Nelson and Marlborough, West Coast, Canterbury, and Otago and Southland (see Figure 2 on page 3).

## What Planting and Harvesting information is collected?

Planting data is collected as at 31 December<sup>2</sup> on the area of replanting, afforestation, and land cover before afforestation. A supplementary survey of large forest owners and known afforesters is run at the end of a survey period to provide a provisional estimate of afforestation to the current year. In addition, the NEFD survey collects some data on harvesting from forests over larger than 40 hectares including the average age of clear-felled radiata pine. NEFD harvesting information is combined with other MPI data sources to provide national harvest estimates.

## Yield tables and Wood Availability Forecasts

The yield tables are produced periodically, based on data provided by forest owners and managers of larger forests, as part of the wood availability forecasts.

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 recoverable volume by 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.

Yield tables and Wood Availability Forecasts for all regions and New Zealand are available on the Te Uru Rākau website (see below).

## Online resources

An electronic copy of this report is available on the New Zealand Ministry for Primary Industries website: <https://www.teururakau.govt.nz/news-and-resources/open-data-and-forecasting/forestry/new-zealands-forests/>

The Te Uru Rākau website also has electronic copies of:

- the tables from the report;
- report and tables from the Wood Availability Forecasts; and
- yield tables.

For specialised requests please contact [nefd@mpi.govt.nz](mailto:nefd@mpi.govt.nz).

For reasons of confidentiality, data on the resources of individual forest growers will not be released without the prior written consent of the forest owner(s) concerned. Any other outputs will have standard confidentiality rules applied.

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<sup>2</sup> 31 December is used as the year end as planting does not occur in January to March.

# Area, Species Distribution, Standing Volume and Ownership of plantation forests in New Zealand

## Area

As at 1 April 2024, the total net stocked area of planted forest was estimated to be 1.793 million hectares (Figure 3, Table 3). Including the area of land currently awaiting replanting after harvesting (44,095 hectares), makes the estimated total forest area 1.84 million hectares.

The 2023 net stocked forest area required revisions. This is due to there being changes in returns from respondents or amendments to historical data. Further details can be found in the NEFD online tables.

The area reported for 2024 was an increase of 3,162 hectares (0.2 percent) from the 2023 net stocked area of 1.789 million hectares. Year-on-year changes in the net stocked area can be caused by new information, updated returns from respondents, and changes in land use decisions by forest land owners.

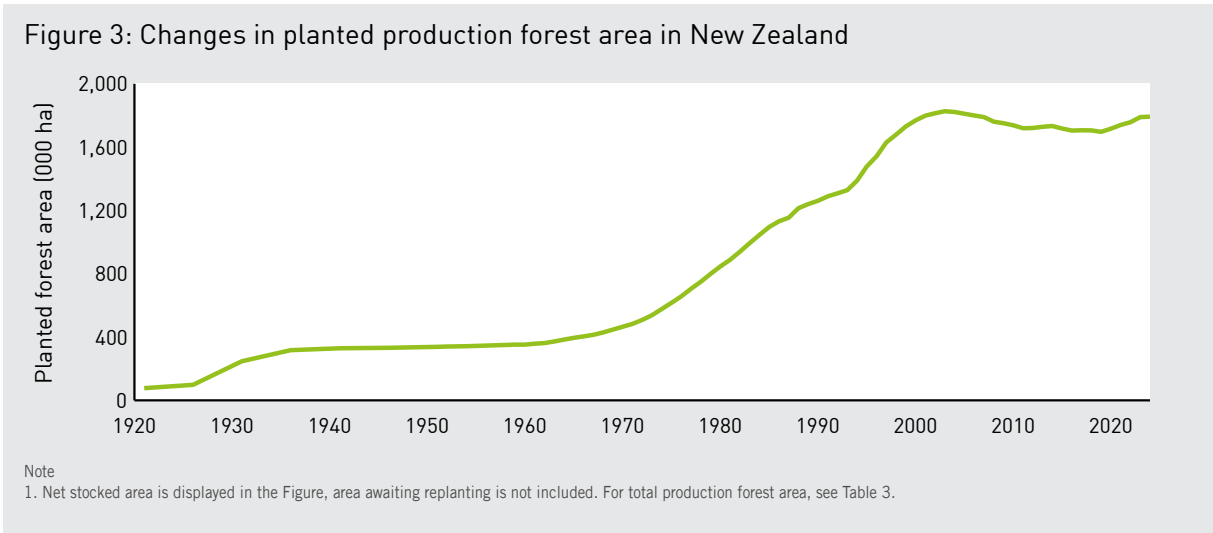


Table 3: Total Forest Area (hectares), as at 1 April

	2019	2020	2021	2022	2023r	2024
Area awaiting replanting <sup>1</sup>	49,194	50,030	45,487	46,101	39,958	44,095
Net stocked area	1,696,604	1,716,575	1,739,971	1,757,447	1,789,479	1,792,641
Total forest area	1,745,798	1,766,605	1,785,458	1,803,548	1,829,437	1,836,736

### Notes

1. The area awaiting replanting does not include forests under 40 hectares, so please use this metric with caution.

The estimated known area of radiata pine increased by 4,981 hectares between 2023 and 2024. The increase was due to re-mapping of existing forestry (including from changes in ownership), planting and the correction of anomalies in survey responses. Douglas-fir area decreased by 1,026 hectares between 2023 and 2024. Other hardwoods increased by 896 hectares between 2022 and 2023. Other softwoods and cypress species showed small decreases, while eucalypts showed minor increases, consistent with year-on-year variation.

Table 4: Forest area by annual age class as at 1 April 2024

Age	Area (ha)	Age	Area (ha)	Age	Area (ha)
1	50,582	28	76,423	55	952
2	42,485	29	74,736	56	581
3	46,559	30	63,252	57	353
4	51,080	31	67,129	58	368
5	63,760	32	39,580	59	536
6	54,726	33	33,500	60	679
7	48,228	34	10,654	61	268
8	42,011	35	9,774	62	236
9	43,468	36	7,165	63	153
10	45,622	37	5,437	64	313
11	43,680	38	6,712	65	252
12	54,154	39	8,333	66	29
13	53,054	40	6,836	67	114
14	46,169	41	5,943	68	34
15	37,136	42	5,322	69	96
16	36,381	43	4,681	70	108
17	36,566	44	3,087	71	90
18	35,689	45	4,638	72	70
19	36,416	46	3,154	73	46
20	42,353	47	2,804	74	159
21	49,455	48	1,526	75	490
22	56,634	49	1,899	76	32
23	59,750	50	1,581	77	36
24	65,079	51	1,152	78	36
25	60,237	52	983	79	5
26	71,934	53	745	80+	460
27	65,308	54	583		

**Note**

1. This table excludes afforestation that was not directly captured by the NEFD survey.

## Area Distribution by wood supply region

Figure 4: Distribution of forest area by wood supply region, as at 1 April 2024

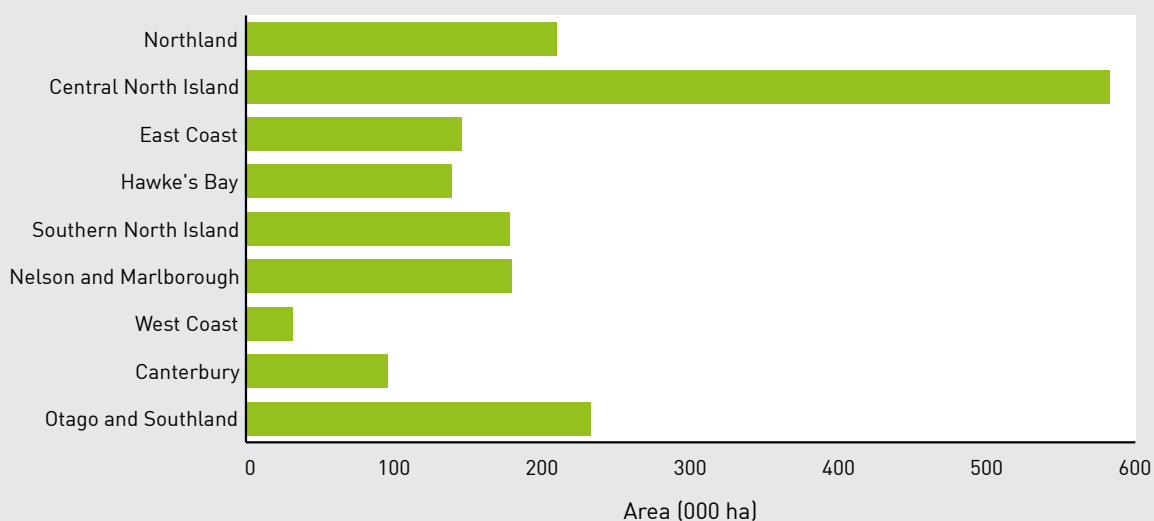


Figure 5: Forest area by age class and wood supply region, as at 1 April 2024

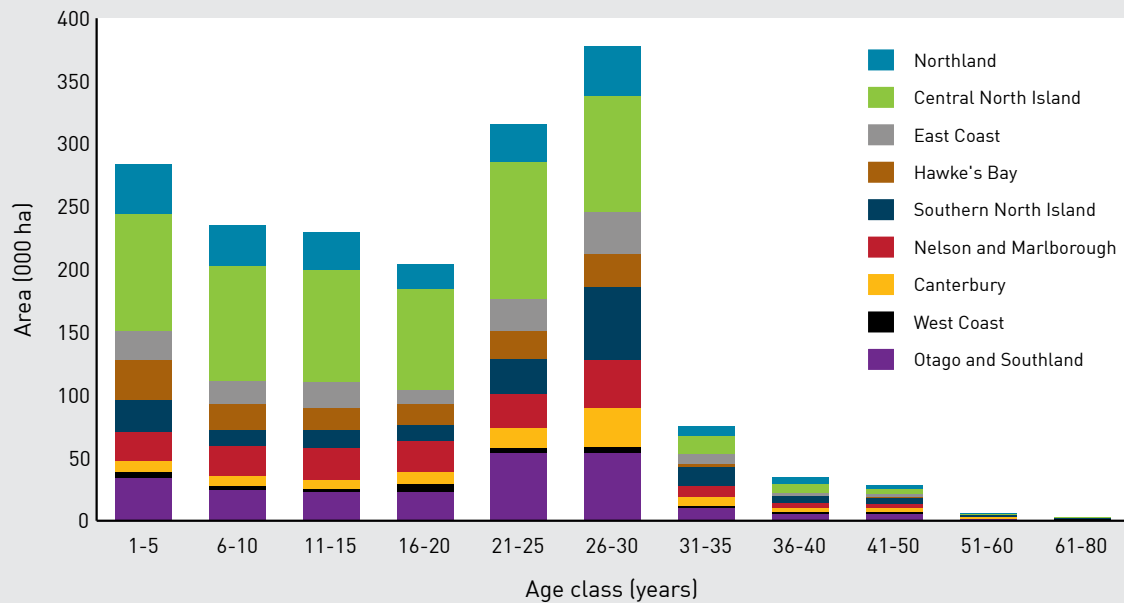
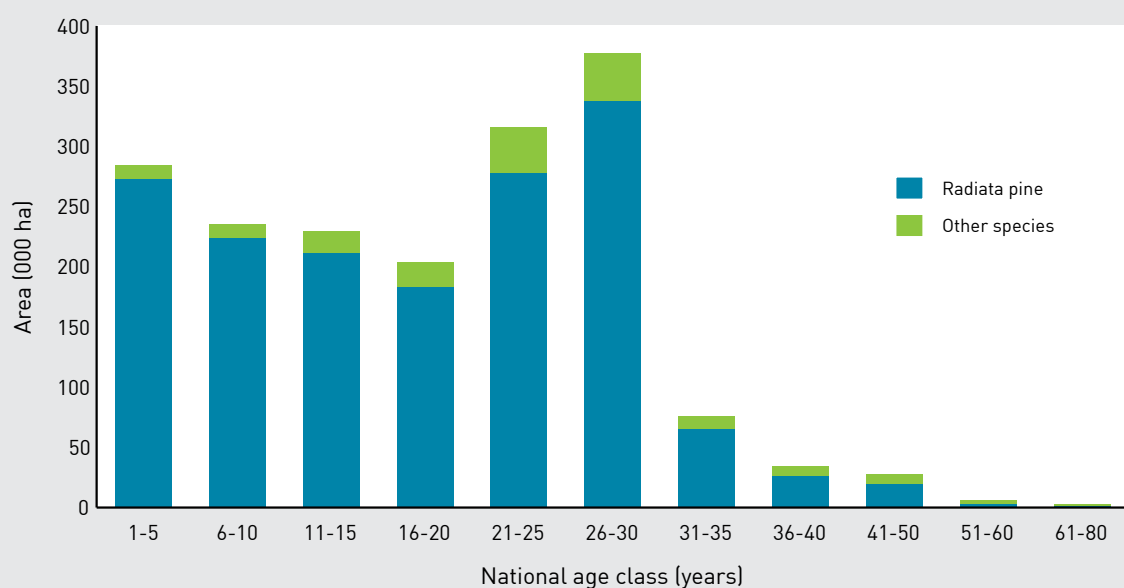


Figure 5 shows the distribution of forests across the nine wood supply regions in New Zealand by age class. The Central North Island has the largest area of forest across all age class groups. It accounts for around 33 percent (93,226 hectares) of the total forest in age class 1 to 5 years, and 33 percent (582,692 hectares) across all age classes.

## Species distribution by age classes

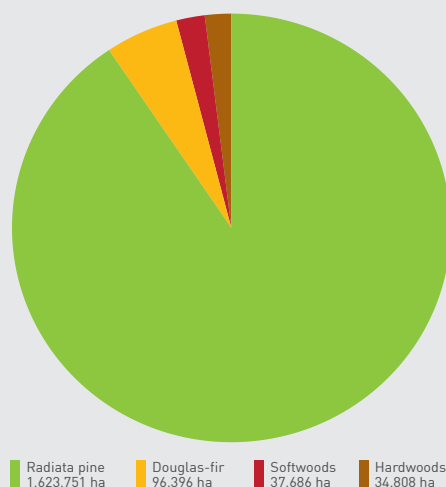
Figure 6: Forest area by age class and species, as at 1 April 2024



As seen in Figures 6 and 7, radiata pine is the dominant species, making up 91 percent of the planted production forest area in New Zealand. The proportion of Douglas-fir is higher in Otago and Southland (25 percent) and Canterbury (17 percent) compared to the national distribution (5 percent) as growing conditions are more suitable.



Figure 7: Species Distribution, as at 1 April 2024



Note: Softwoods includes cypress species, Hardwoods includes eucalypts.

Figure 8: Radiata pine by Tending Regime, as at 1 April 2024

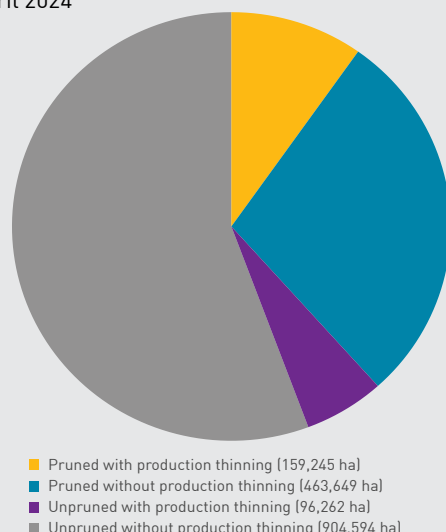
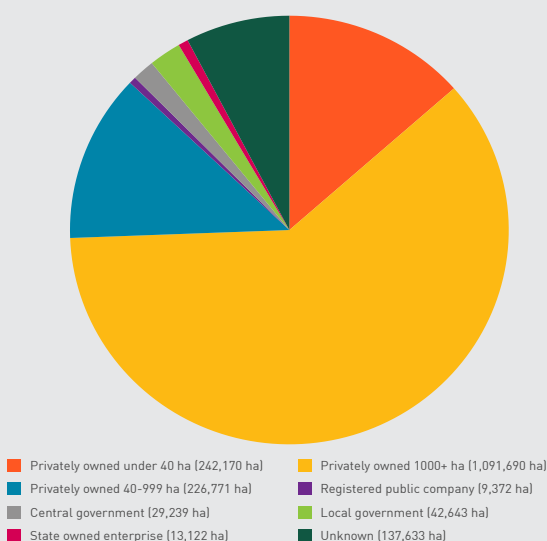


Figure 9: Forest ownership, as at 1 April 2024



## Silviculture

Figure 8 indicates that about 38 percent (622,894 hectares) of the radiata pine planted forest estate is, or is expected to be, pruned to a height of at least four metres. This is a decrease from the previous year, and a continuation of the general trend away from pruning.

The area of production thinned forest that is, or is expected to be, is unchanged from last year at 15.7 percent of the radiata pine planted forest (Figure 8). The proportion of production thinned forest is slightly higher in the North Island, with 18 percent (216,752 ha) production thinned, than in the South Island where 9.3 percent (38,756 ha) is production thinned. Generally, the area of production thinned forest has declined over the past decade. The area of forest that is unpruned with no production thinning now makes up 55.7 percent of the forest estate (904,594 ha), showing the trend towards minimally tended forests.

## Standing Volume

The standing volume by Territorial Authority at 1 April 2024 is presented in Table 5 (see Appendix 1 for a definition of standing volume).

## Ownership

The 2024 NEFD dataset is made up of survey data, estimates for forests with less than 40 hectares and spatial data. Survey data and estimates contribute ownership information, the spatial data does not. The survey data covered 79 percent of New Zealand's total forest area. 65 percent of the total forest area comes from foresters owning more than 1,000 hectares. The remaining surveyed area comes from foresters owning between 40 and 999 hectares. Estimates for forests with less than 40 hectares makes up 14 percent of the net stocked area, and spatial data incorporated into the survey this year makes up 7 percent of the area.

As at 1 April 2024, 1.6 million hectares (87%) of New Zealand's exotic plantation forests were privately owned (Figure 9).

### Notes

- The area of forest owned or managed by major forest owners can be found in the New Zealand Forest Industry booklet, Facts & Figures 2023/24, page 13 (see the New Zealand Forest Owners Association website for more information).
- Ownership is based solely on the ownership of the forest irrespective of the ownership of the land.
- Figure represents percentage of net stocked planted production forest area by ownership type.
- Significant changes in forest ownership have occurred since 2003, resulting in large areas of forest previously owned by public companies now being privately owned.
- The legal entities included in the "Privately owned" category are private companies, partnerships, individuals and trusts, which includes Māori trusts and incorporations.
- "Central Government" forests are predominantly Crown-owned forests on Māori lease-hold land. These forests are managed by Crown Forestry.
- University of Canterbury mapping data does not contain ownership data (see University of Canterbury mapping data)

Table 5: Area, standing volume, and area-weighted average age by territorial authority as at 1 April 2024

Territorial authority	Area (ha)	Standing volume (000 m <sup>3</sup> )	Area-weighted average age (years)
<b>Northland wood supply region</b>			
Far North District	93,297	21,405	17.1
Whangarei District	34,104	8,239	17.9
Kaipara District	43,466	8,469	14.9
Auckland Council	38,853	12,347	21.4
<b>Region total</b>	<b>209,720</b>	<b>50,460</b>	<b>17.6</b>
<b>Central North Island wood supply region</b>			
Thames-Coromandel District	24,011	8,613	18.5
Hauraki District	3,619	1,882	23.7
Waikato District	19,418	7,838	19.3
Matamata-Piako District	1,779	736	20.7
Hamilton City	14	9	28.4
Tauranga District	106	68	29.3
Western Bay of Plenty District	23,744	8,749	18.6
Rotorua District	54,080	18,241	17.7
Kawerau District	497	23	6.5
Whakatane District	110,501	31,837	15.7
Opotiki District	14,210	4,314	17.1
Waipa District	2,573	1,265	23.0
Otorohanga District	7,988	3,395	20.0
Waitomo District	28,582	13,039	21.9
Ruapehu District	52,710	18,806	17.8
South Waikato District	61,373	21,241	17.2
Taupo District	177,501	50,789	15.9
<b>Region total</b>	<b>582,706</b>	<b>190,845</b>	<b>17.1</b>
<b>East Coast wood supply region</b>			
Gisborne District	145,135	48,860	18.6
<b>Region total</b>	<b>145,135</b>	<b>48,860</b>	<b>18.6</b>
<b>Hawke's Bay wood supply region</b>			
Wairoa District	61,032	19,287	16.4
Hastings District	62,575	17,087	14.8
Napier City	85	11	10.4
Central Hawke's Bay District	15,032	4,458	15.1
<b>Region total</b>	<b>138,724</b>	<b>40,844</b>	<b>15.5</b>
<b>Southern North Island wood supply region</b>			
New Plymouth District	4,339	2,143	26.0
Stratford District	7,027	2,947	22.7
South Taranaki District	9,048	4,513	25.0
Whanganui District	22,742	10,779	24.1
Rangitikei District	20,810	10,487	25.5
Manawatu District	7,268	3,726	26.6
Kapiti Coast District	2,662	1,376	27.2
Upper Hutt City	2,442	1,335	27.7
Porirua City	860	552	32.1
Wellington City	581	321	28.2
Lower Hutt City	229	163	36.4
Palmerston North City	2,957	1,014	19.7
Tararua District	21,936	7,771	19.5
Masterton District	41,680	14,140	19.3
Horowhenua District	8,977	4,008	23.3
Carterton District	14,279	5,947	22.4
South Wairarapa District	10,238	3,565	19.3
<b>Region total</b>	<b>178,075</b>	<b>74,787</b>	<b>22.4</b>
<b>North Island total</b>	<b>1,254,360</b>	<b>405,797</b>	<b>17.9</b>

Territorial authority	Area (ha)	Standing volume (000 m <sup>3</sup> )	Area-weighted average age (years)
<b>Nelson and Marlborough wood supply region</b>			
Nelson City	8,598	2,567	17.7
Tasman District	85,480	26,849	18.2
Marlborough District	82,486	28,308	19.7
Kaikoura District	2,292	707	16.8
<b>Region total</b>	<b>178,856</b>	<b>58,431</b>	<b>18.9</b>
<b>Canterbury wood supply region</b>			
Hurunui District	34,300	9,722	21.4
Waimakariri District	8,506	3,184	25.5
Christchurch City	10,229	3,951	26.3
Selwyn District	10,407	3,190	22.5
Ashburton District	3,147	975	24.5
Timaru District	11,470	3,116	23.6
Mackenzie District	5,316	1,812	28.3
Waimate District	11,947	3,442	23.5
<b>Region total</b>	<b>95,322</b>	<b>29,393</b>	<b>23.4</b>
<b>West Coast wood supply region</b>			
Buller District	4,595	1,009	20.3
Grey District	13,049	2,735	18.4
Westland District	13,855	3,716	20.8
<b>Region total</b>	<b>31,499</b>	<b>7,459</b>	<b>19.7</b>
<b>Otago and Southland wood supply region</b>			
Waitaki District	25,570	6,449	19.5
Dunedin City	17,006	4,031	18.3
Queenstown-Lakes District	809	363	35.9
Central Otago District	7,504	2,032	24.5
Clutha District	91,798	22,692	19.8
Gore District	4,531	1,643	24.9
Southland District	84,586	22,229	20.4
Invercargill City	908	254	19.5
<b>Region total</b>	<b>232,712</b>	<b>59,693</b>	<b>20.2</b>
<b>South Island total</b>	<b>538,389</b>	<b>154,976</b>	<b>20.3</b>
<b>New Zealand total</b>	<b>1,792,749</b>	<b>560,773</b>	<b>18.6</b>

Table 6: Total area represented by each data source in the 2024 NEFD database

Data source	Net stocked area (000 ha)	Proportion of total area (%)	Number of owners at national level
<b>Data collected in the NEFD survey</b>			
10,000 hectares+	970	54%	27
1,000-9,999 hectares	189	11%	59
40-999 hectares	254	14%	1,627
<b>NEFD Survey total<sup>1</sup></b>	<b>1,413</b>	<b>79%</b>	<b>1,713</b>
NEFD resource <40 hectares	10	1%	
New planting imputation (1992-2006) <sup>2</sup>	172	10%	
2004 AgriQuality small forest growers (<40 hectares) <sup>3</sup>	60	3%	
University of Canterbury mapping data <sup>4</sup>	138	8%	
<b>Total</b>	<b>1,793</b>	<b>100%</b>	

#### Notes

1. Data collected from NEFD survey only.
2. Adjustment made this year to the area of new forest planted between 1992 and 2006. New planting imputation is discussed in Appendix 5 (page 46).
3. Small Forest Grower Survey Report, AgriQuality New Zealand, April 2005
4. University of Canterbury mapping data, October 2024
5. The NEFD resource <40 hectares, New planting imputation (1992-2006), 2004 AgriQuality small forest growers (<40 hectares) and the University of Canterbury mapping data sources do not estimate ownership data.

Table 7: Number of forest owners by national size class, as at 1 April 2024<sup>1</sup>

Wood Supply Region	40-99 ha	100-499 ha	500-999 ha	1,000-9,999 ha	10,000+ ha
Northland	130	103	19	9	7
Central North Island	132	128	27	20	14
East Coast <sup>3</sup>	N/A	N/A	N/A	N/A	N/A
Hawke's Bay <sup>3</sup>	N/A	N/A	N/A	N/A	N/A
Southern North Island	204	182	19	11	8
Nelson and Marlborough	182	111	11	13	3
West Coast	7	3	1	2	2
Canterbury	80	84	5	7	4
Otago and Southland	140	85	17	15	8
New Zealand total <sup>2</sup>	868	674	85	59	27

**Notes**

1. The 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.
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 owners in the 1,000-9,000 hectare and 10,000+ hectare size classes.
3. University of Canterbury mapping data does not contain ownership data (see University of Canterbury mapping data)

Table 8: Forest area by forest owner national size class, as at 1 April 2024

Wood Supply Region	< 40 ha	40-99 ha	100-499 ha	500-999 ha	1,000-9,999 ha	10,000+ ha	Total ha
Northland	35,476	8,332	20,356	11,107	22,251	112,191	209,714
Central North Island	57,631	8,225	27,568	17,724	56,385	415,157	582,691
East Coast <sup>1</sup>	N/A	N/A	N/A	N/A	N/A	N/A	145,126
Hawke's Bay <sup>1</sup>	N/A	N/A	N/A	N/A	N/A	N/A	138,698
Southern North Island	45,255	12,427	37,731	12,625	14,021	56,004	178,065
Nelson and Marlborough	25,015	11,382	18,973	6,423	30,440	86,610	178,844
West Coast	2,831	533	501	617	1,772	25,243	31,497
Canterbury	32,743	5,021	15,568	2,663	8,721	30,584	95,303
Otago and Southland	43,387	8,842	17,609	9,737	36,374	116,747	232,697
New Zealand total	242,339	54,763	138,309	60,898	188,799	1,107,529	1,792,640

**Note**

1. University of Canterbury mapping data does not contain ownership data (see University of Canterbury mapping data)



# Harvesting

## An estimate of total harvest volumes for New Zealand

Along with NEFD harvest figures produced, the Ministry for Primary Industries also publishes Forestry Production Statistics (FPS) quarterly on the Te Uru Rākau website. These statistics, obtained from New Zealand wood processors, report on production and stock levels of various wood products and total roundwood removal. Note, in this report the total volume harvested is based on the FPS Roundwood data. This is due to the NEFD figures only representing forests larger than 40 hectares and hence is not representative of the national harvesting trends.

The estimated total harvest volume for the year ended 31 March 2024 was 33.6 million cubic metres, a 0.4 percent decrease on the previous year. The majority of this harvest volume came from radiata pine (93.9 percent), followed by Douglas-fir (5.5 percent). Other exotic species made up the remaining 0.6 percent.

Radiata pine is typically harvested when it is between 26 and 32 years old. The area-weighted average clear fell age of radiata pine has remained the same in the year ended 31 March 2024, 28 years.

Of the radiata pine harvest, the proportion of recovered volume sold as pulp and chip logs has remained the same as 2022 at 15 percent. Approximately 10 percent of harvest was sold as pruned logs, a 2 percentage decrease from last year.

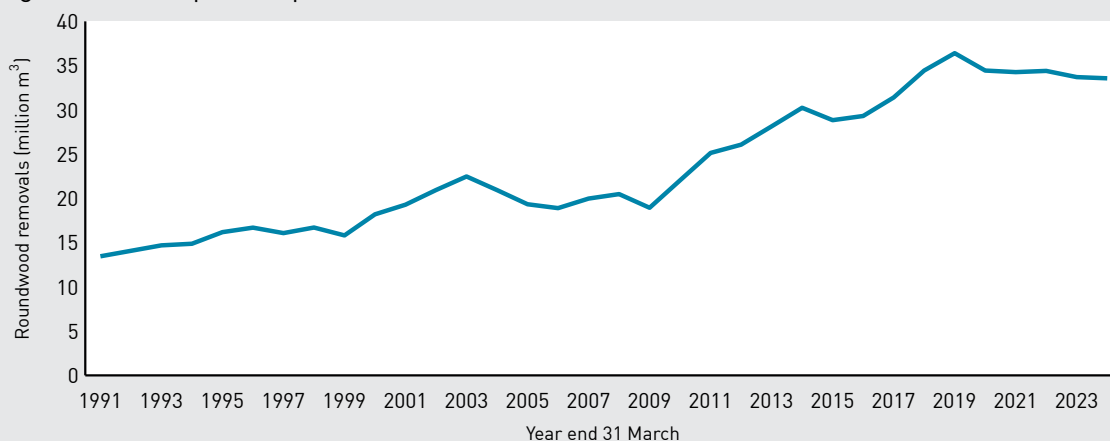
## Deforestation Intentions Survey

The Deforestation Intention Survey is commissioned by MPI to provide information on future rates of deforestation of planted production forest. The work is needed to assist with projecting New Zealand's likely greenhouse gas emissions over the second commitment period of the Kyoto Protocol and beyond under New Zealand's Paris agreement commitments. This information is also needed to inform future policy development. The latest report can be found on the Te Uru Rākau website: <https://www.teururakau.govt.nz/news-and-resources/open-data-and-forecasting/forestry/new-zealands-forests/>

## Wood Availability Forecasts

Regional and national wood availability forecasts are prepared by the industry and MPI under the NEFD work programme. They apply a range of harvesting scenarios and other factors that show potential volumes of logs that may be harvested by large and small-scale forest owners over the next 30 years. These forecasts are available on the Te Uru Rākau website: <https://www.teururakau.govt.nz/news-and-resources/open-data-and-forecasting/forestry/new-zealands-forests/>

Figure 10: Total planted production forest roundwood removals<sup>1</sup>



1. Harvest volumes are based on MPI roundwood removal figures



# Planting

All planting information is based on modelling using tree stock information from the annual Afforestation and Deforestation Intentions Report, and replanting data supplied by large forest owners and managers within the NEFD survey.

We estimate 110,000 ha of total planting occurred during the year to December 2023, an increase on previous years. Approximately 46,557 hectares of previously harvested forest was awaiting either replanting or a land use decision as at 1 April 2024 (Figure 12). This is an increase of around 4,100 hectares on the previous year. The largest increase was for the Nelson and Marlborough wood supply region. The other regions showed typical levels of year-on-year variability, both increases and decreases.

Figure 11: Total planted area, year ending 31 December

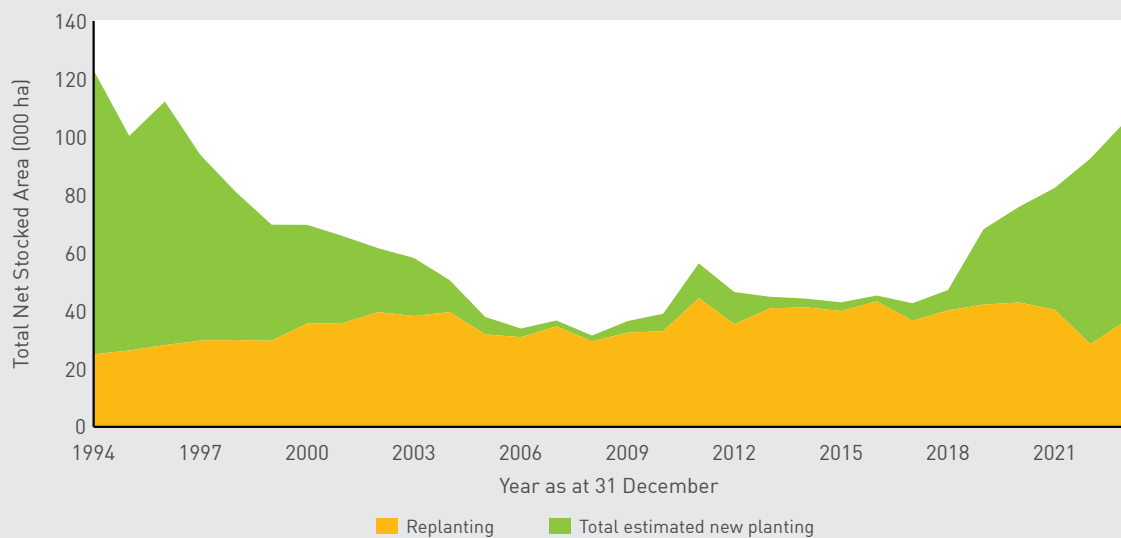
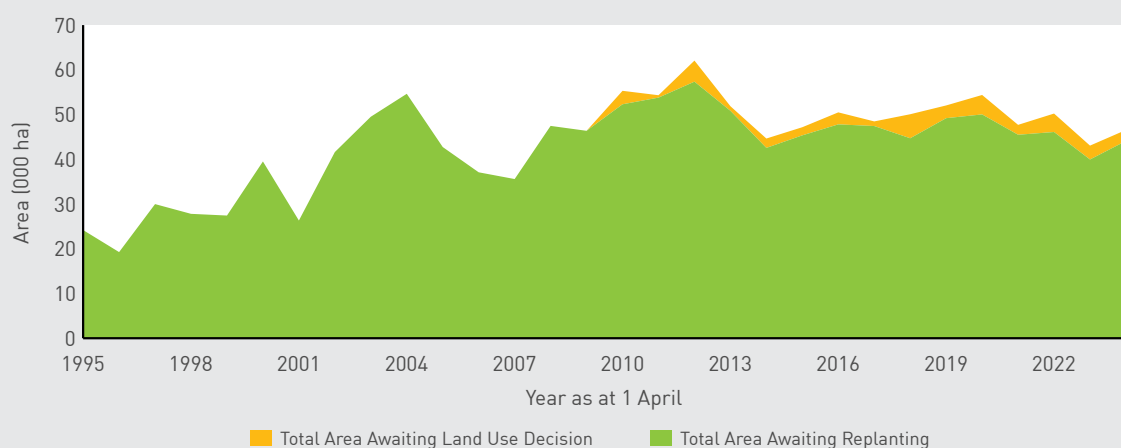


Figure 12: Harvested forest awaiting either replanting or a land use decision, as at 1 April 2024<sup>1</sup>



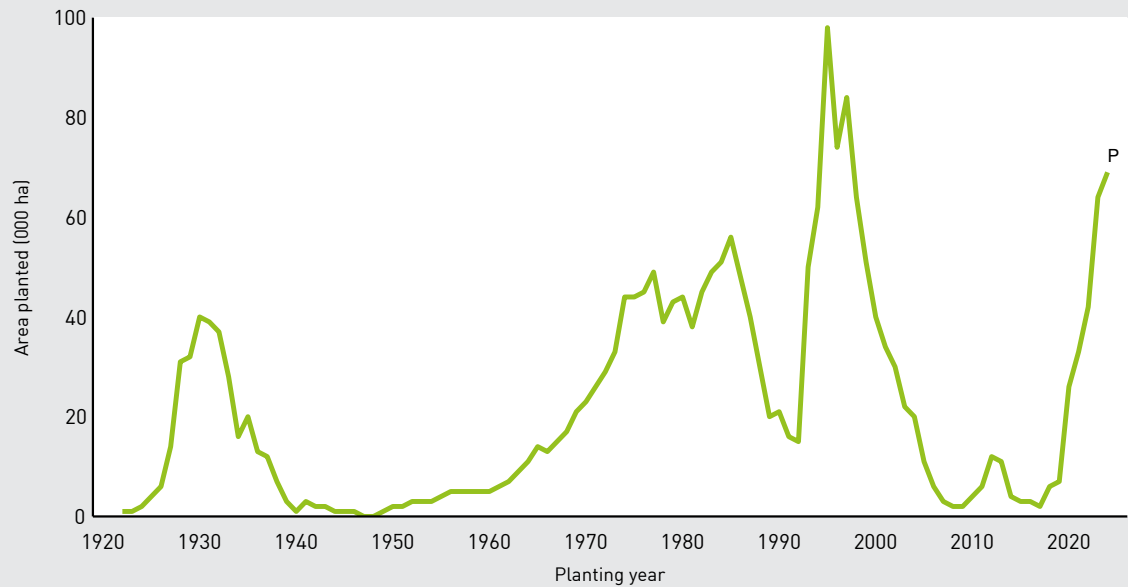
1. Data is modelled from NEFD response data (see Modelling of area awaiting replanting and area awaiting land-use decision).

# New planting

New planting to December 2023 is estimated at 69,000 hectares.

The land cover prior to new planting is presented in Table 9. 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 and are not necessarily indicative of future trends.

Figure 13: New Land Planted in Production Forest in New Zealand



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 1992-2023 are based on nursery surveys undertaken by the Ministry for Primary Industries and predecessor agencies which are reviewed when NEFD survey data are received and revised as appropriate. In 2024 data came from the Afforestation and Deforestation Intentions report.

Table 9: Land cover prior to new planting, year ending December

Calendar years	Improved pasture <sup>1</sup> (%)	Unimproved pasture <sup>2</sup> (%)	Other woody vegetation <sup>3</sup> (%)	Area of new planting (ha)
1994	49	35	16	98,000
1995	67	22	11	74,000
1996	36	50	14	84,000
1997	43	46	11	64,000
1998	44	47	9	51,000
1999	56	30	14	40,000
2000	52	31	17	34,000
2001	68	9	23	30,000
2002	31	49	19	22,000
2003	28	46	26	20,000
2004	18	46	37	11,000
2005	2	19	79	6,000
2006	2	35	62	3,000
2007	11	9	80	2,000
2008	57	2	41	2,000
2009	27	58	15	4,000
2010	64	29	6	6,000
2011	42	53	5	12,000
2012	61	32	7	11,000
2013	33	43	24	4,000
2014	13	79	8	3,000
2015	30	43	27	3,000
2016	1	63	36	2,000
2017	53	40	7	6,000
2018	60	20	19	7,000
2019	37	43	20	26,000
2020	44	54	2	33,000
2021	59	36	6	42,000
2022	48	48	3	64,000
2023	30	69	1	69,000

**Notes**

1. Improved pasture - land that has been fertilised and contains improved pasture species.
2. Unimproved pasture - land not fertilised, with no improved pasture species sown.
3. Woody vegetation - land predominantly covered in bracken gorse, mānuka, kānuka, or other woody species.

## Afforestation and deforestation intentions survey

Along with planting information gathered in the NEFD, MPI also runs the annual Afforestation and Deforestation Intentions Report. This report gathers information on afforestation intentions for exotic forests and deforestation intentions for planted forest from a suitable and consistent group to obtain reliable estimates of national and regional afforestation and deforestation.

In 2024 we have used reported afforestation figures from this source to estimate new planting figures as opposed to using tree stock sales from Nursery Surveys (previous source). See Appendix 5 for further detail.

This report is published on Te Uru Rākau's website:  
<https://www.teururakau.govt.nz/news-and-resources/open-data-and-forecasting/forestry/new-zealands-forests/>





# Forest area by age class and wood supply region

The following presents net stocked area by region for all New Zealand plantation species: radiata pine, Douglas-fir, cypress species, other softwoods, eucalypt species, and other hardwoods.





Table 10: Area planted in all species by territorial authority, as at 1 April 2024

	All species Age class (years)											Total (ha)
	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+ Year (ha)	
Northland wood supply region												
Far North District	17,658	15,054	16,879	9,045	10,899	14,831	2,964	4,489	1,245	218	14	93,296
Whangarei District	5,496	6,504	4,929	2,714	4,674	6,796	C	460	552	C	C	34,101
Kaipara District	13,391	8,309	3,903	3,048	3,930	8,691	C	338	247	C	C	43,466
Auckland Council	3,631	2,900	4,025	4,797	10,641	9,450	1,550	599	1,135	89	34	38,851
Region total	40,176	32,768	29,736	19,604	30,143	39,767	7,898	5,887	3,180	460	96	209,715
Central North Island wood supply region												
Thames-Coromandel District	2,164	3,273	4,835	4,738	3,895	3,022	500	1,069	412	28	73	24,010
Hauraki District	230	306	338	134	811	1,376	353	15	43	8	6	3,620
Waikato District	3,439	2,189	1,880	1,236	C	C	1,215	171	217	17	C	19,416
Matamata-Piako District	359	121	C	384	149	258	269	C	90	1	C	1,779
Hamilton City	C	0	0	0	0	C	C	0	1	0	0	14
Tauranga District	0	0	0	9	13	61	17	0	6	0	0	106
Western Bay of Plenty District	C	3,913	2,545	C	5,186	4,320	1,334	222	426	C	82	23,743
Rotorua District	8,094	C	7,251	9,221	C	6,968	1,653	478	629	257	C	54,079
Kawerau District	C	C	0	C	C	9	0	0	0	C	C	497
Whakatane District	20,231	17,735	C	14,322	19,424	14,115	2,058	C	291	36	C	110,495
Opotiki District	1,424	3,428	3,886	841	1,761	892	717	1,095	160	0	0	14,206
Waipa District	C	48	235	102	675	C	C	25	71	3	3	2,573
Otorohanga District	1,629	264	557	850	2,133	1,975	387	142	45	4	2	7,988
Waitomo District	3,011	633	3,194	4,981	5,447	9,806	859	418	228	5	0	28,582
Ruapehu District	11,987	7,541	5,360	C	7,250	15,227	1,370	C	425	C	12	52,710
South Waikato District	10,069	8,436	7,664	C	C	C	512	C	56	C	C	61,373
Taupo District	26,352	35,958	30,331	28,165	31,754	19,578	3,584	826	488	373	92	177,501
Region total	93,226	91,182	89,612	80,685	108,973	92,187	15,058	6,688	3,588	783	709	582,692
East Coast wood supply region												
Gisborne District	22,808	18,472	20,006	11,060	26,077	33,339	7,211	2,766	2,851	503	34	145,127
Region total	22,808	18,472	20,006	11,060	26,077	33,339	7,211	2,766	2,851	503	34	145,127
Hawke's Bay wood supply region												
Wairoa District	11,360	9,987	8,734	7,056	7,971	13,438	C	C	68	C	C	61,029
Hastings District	C	9,165	C	8,439	C	9,007	C	C	C	C	C	62,566
Napier City	C	C	C	0	C	C	C	0	0	0	0	84
Central Hawke's Bay District	4,698	C	1,480	1,143	2,213	C	C	C	C	C	C	15,020
Region total	31,652	20,537	17,875	16,638	21,888	26,476	3,131	178	154	137	31	138,698
Southern North Island wood supply region												
New Plymouth District	C	117	C	407	1,207	1,462	358	189	C	8	0	4,337
Stratford District	1,093	658	536	C	410	2,835	487	169	C	C	2	7,027
South Taranaki District	C	C	408	326	1,365	3,357	1,175	C	437	27	11	9,047
Whanganui District	1,050	1,778	1,820	2,362	3,749	9,074	2,141	393	240	52	80	22,738
Rangitikei District	C	410	1,024	1,459	C	10,397	992	332	542	C	125	20,810
Manawatu District	468	175	587	309	1,116	2,756	995	378	434	33	17	7,268
Kapiti Coast District	28	148	70	136	679	1,011	349	149	92	0	0	2,662
Upper Hutt City	C	0	63	224	C	1,001	313	70	141	C	33	2,442
Porirua City	0	0	58	C	24	171	334	140	C	C	0	860
Wellington City	C	0	C	0	36	330	111	27	C	0	0	581
Lower Hutt City	C	0	C	0	C	102	2	9	106	0	0	229
Palmerston North City	C	C	361	480	159	565	280	C	182	0	0	2,957
Tararua District	4,846	2,123	2,534	1,414	1,914	5,640	1,664	630	1,089	64	18	21,936
Masterton District	10,573	3,604	2,930	2,432	5,110	11,270	3,210	1,588	645	265	52	41,678
Horowhenua District	683	832	897	1,388	1,296	2,116	1,067	338	279	19	62	8,977
Carterton District	C	1,618	C	728	C	3,458	570	176	251	112	0	14,279
South Wairarapa District	2,801	261	1,127	546	1,730	2,356	732	230	424	25	7	10,239
Region total	25,462	12,466	14,398	12,749	28,318	57,900	14,779	5,300	5,210	1,076	407	178,066
North Island total	213,323	175,425	171,628	140,736	215,400	249,669	48,078	20,820	14,982	2,959	1,276	1,254,298

	All species Age class (years)											Total (ha)
	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+ Year (ha)	
Nelson and Marlborough wood supply region												
Nelson City	1,230	691	1,871	1,650	1,479	1,157	115	54	C	C	C	8,594
Tasman District	12,766	8,990	12,926	14,616	15,466	14,375	3,520	968	1,450	342	61	85,478
Marlborough District	8,644	C	C	8,030	9,467	22,325	4,476	2,701	C	223	42	82,480
Kaikoura District	1,065	C	C	28	172	699	80	19	C	C	C	2,292
Region total	23,705	24,504	25,114	24,324	26,584	38,556	8,190	3,742	3,356	642	128	178,845
West Coast wood supply region												
Buller District	C	C	C	C	C	561	C	205	C	18	C	4,595
Grey District	2,140	C	C	C	C	1,177	173	184	C	440	C	13,049
Westland District	C	C	C	C	2,161	2,335	C	888	618	79	C	13,854
Region total	5,325	3,402	3,020	6,228	4,640	4,073	1,053	1,277	1,846	537	97	31,498
Canterbury wood supply region												
Hurunui District	C	C	C	4,969	6,641	8,790	1,960	978	763	271	C	34,291
Waimakariri District	318	543	438	832	1,465	3,190	1,306	195	117	28	68	8,499
Christchurch City	510	762	386	560	1,124	4,616	1,362	466	384	18	41	10,228
Selwyn District	C	C	C	344	1,247	2,998	1,126	577	373	135	25	10,405
Ashburton District	C	250	C	347	337	905	335	134	134	36	C	3,147
Timaru District	C	C	538	1,709	2,923	2,705	809	575	426	47	C	11,470
Mackenzie District	207	130	488	319	882	2,090	333	302	222	231	112	5,316
Waimate District	C	C	C	1,038	1,035	6,018	621	222	322	33	60	11,946
Banks Peninsula District	0	0	0	0	0	0	0	0	0	0	0	0
Region total	8,130	7,612	7,133	10,117	15,654	31,313	7,852	3,449	2,742	799	502	95,303
Otago and Southland wood supply region												
Waitaki District	4,005	3,964	1,859	1,011	4,835	7,823	940	571	465	49	47	25,569
Dunedin City	C	3,263	C	871	1,135	2,648	1,419	552	813	20	C	17,005
Queenstown-Lakes District	0	0	0	C	112	151	117	260	130	C	C	809
Central Otago District	632	437	C	572	2,700	1,518	446	365	C	C	57	7,503
Clutha District	15,334	7,799	8,236	C	21,297	19,677	4,329	2,041	1,411	C	C	91,789
Gore District	C	0	C	115	2,096	1,093	479	39	64	49	C	4,531
Southland District	10,312	8,528	8,176	9,126	21,236	20,901	2,520	1,532	1,962	236	54	84,583
Invercargill City	42	278	C	33	91	160	90	35	C	C	0	908
Region total	33,515	24,270	22,372	22,559	53,502	53,972	10,339	5,394	5,143	926	706	232,698
South Island total	70,675	59,788	57,640	63,229	100,380	127,913	27,434	13,862	13,086	2,904	1,432	538,343
New Zealand total	283,999	235,213	229,268	203,965	315,780	377,582	75,512	34,682	28,068	5,863	2,709	1,792,641

Figure 14: Distribution of all species forest area by age class and island, as at 1 April 2024

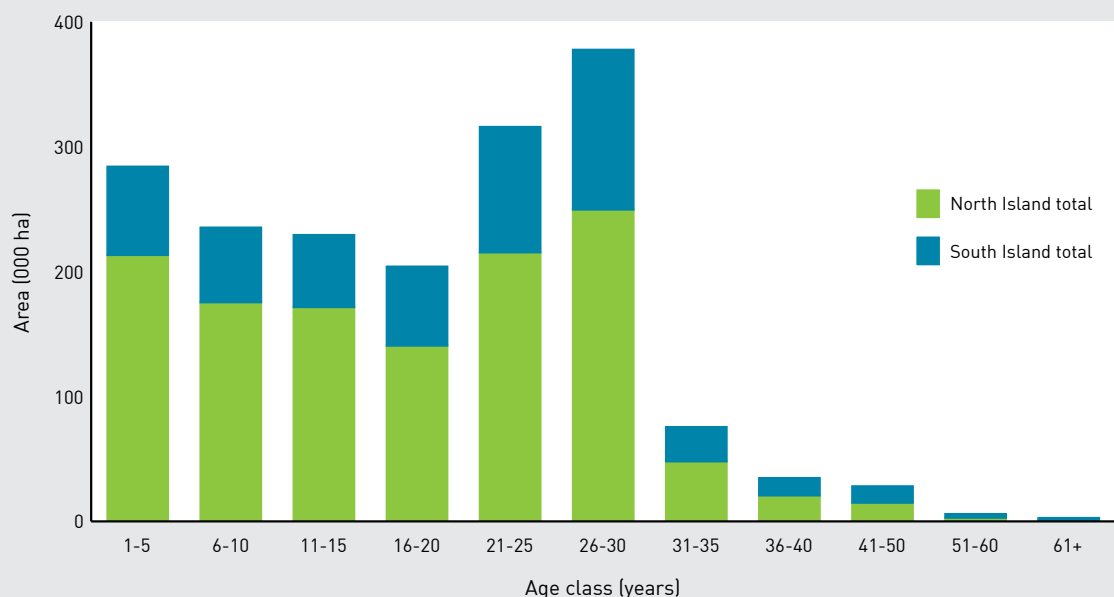


Table 11: Area planted in radiata pine by territorial authority, as at 1 April 2024

	Radiata pine Age class (years)											Total (ha)
	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+ Year (ha)	
Northland wood supply region												
Far North District	16,838	14,914	16,846	8,885	10,370	14,530	2,856	4,284	1,088	194	1	90,807
Whangarei District	5,324	6,470	4,928	2,700	4,523	6,486	C	441	459	C	C	33,168
Kaipara District	13,257	8,285	3,903	3,002	3,714	8,433	C	326	232	C	C	42,708
Auckland Council	3,589	2,894	3,970	4,712	10,392	9,064	1,437	504	1,022	83	13	37,681
Region total	39,009	32,563	29,648	19,299	28,999	38,513	7,518	5,556	2,801	428	30	204,363
Central North Island wood supply region												
Thames-Coromandel District	2,162	3,273	C	4,735	3,884	2,978	482	1,053	375	C	C	23,835
Hauraki District	230	C	C	C	788	1,355	353	13	42	2	0	3,478
Waikato District	3,417	C	1,864	1,058	C	5,282	1,169	145	216	16	C	18,877
Matamata-Piako District	359	120	C	C	126	C	255	29	88	1	0	1,716
Hamilton City	C	C	0	C	C	C	C	0	C	0	0	14
Tauranga District	0	0	0	7	12	53	16	0	5	0	0	93
Western Bay of Plenty District	3,473	3,852	2,535	2,090	4,887	4,111	1,270	C	C	C	0	22,711
Rotorua District	7,937	7,156	7,126	9,080	11,327	6,256	1,227	C	C	15	C	50,559
Kawerau District	C	C	0	C	C	C	C	0	0	0	0	493
Whakatane District	20,194	17,645	21,392	14,066	19,154	12,308	1,197	C	C	18	C	106,255
Opotiki District	1,424	3,423	3,880	837	1,743	884	713	1,091	160	0	0	14,155
Waipa District	C	C	C	C	547	C	218	22	C	3	2	2,178
Otorohanga District	1,510	245	113	808	2,067	1,909	348	97	45	0	0	7,142
Waitomo District	3,011	633	1,831	3,847	5,285	9,462	831	374	167	0	0	25,441
Ruapehu District	11,298	6,623	5,169	2,160	6,842	14,905	1,356	C	C	C	0	49,979
South Waikato District	9,157	C	C	C	C	C	494	56	47	C	C	56,903
Taupo District	26,110	34,922	28,909	27,159	30,312	18,599	1,955	431	133	58	64	168,652
Region total	90,963	88,286	84,046	76,980	105,080	87,348	11,892	5,032	2,432	167	255	552,481
East Coast wood supply region												
Gisborne District	22,593	18,045	19,488	10,316	25,342	33,208	7,102	2,656	2,588	C	C	C
Region total	22,593	18,045	19,488	10,316	25,342	33,208	7,102	2,656	2,588	C	C	C
Hawke's Bay wood supply region												
Wairoa District	10,868	9,800	8,432	7,004	7,665	13,410	C	C	41	C	0	59,539
Hastings District	C	9,047	C	8,217	C	8,883	C	C	C	C	C	61,629
Napier City	C	C	C	0	C	C	C	0	0	0	0	78
Central Hawke's Bay District	4,696	C	1,383	1,083	2,181	C	C	C	C	0	C	14,766
Region total	31,138	20,190	17,166	16,303	21,501	26,311	3,091	158	98	53	1	136,012
Southern North Island wood supply region												
New Plymouth District	C	78	C	219	768	1,409	339	179	C	6	0	3,389
Stratford District	C	C	296	488	387	2,801	460	C	66	0	1	6,004
South Taranaki District	1,023	C	290	303	1,308	3,311	1,148	429	433	C	C	8,741
Whanganui District	955	1,778	1,812	2,204	C	8,971	2,127	365	228	C	C	22,143
Rangitikei District	1,317	C	594	1,064	3,742	10,230	926	298	502	C	C	19,210
Manawatu District	211	168	577	287	1,042	2,695	964	320	404	32	5	6,705
Kapiti Coast District	28	148	70	135	649	988	341	149	91	0	0	2,599
Upper Hutt City	C	0	63	C	432	989	299	65	141	C	31	2,400
Porirua City	C	0	58	C	24	165	333	138	90	C	0	851
Wellington City	C	0	C	0	36	330	111	27	C	0	0	581
Lower Hutt City	C	0	C	0	C	100	0	9	106	0	0	225
Palmerston North City	C	C	335	477	148	531	257	C	182	0	0	2,811
Tararua District	4,752	2,123	2,534	1,349	1,853	5,624	1,656	607	812	61	16	21,386
Masterton District	10,527	3,539	2,880	2,366	5,031	11,143	3,168	1,535	621	203	31	41,043
Horowhenua District	584	828	891	1,377	C	2,044	1,032	317	272	C	C	8,686
Carterton District	C	1,576	C	725	C	3,436	551	171	230	69	0	14,086
South Wairarapa District	2,801	257	1,127	537	1,718	2,333	703	217	291	25	2	10,011
Region total	24,782	11,844	13,317	11,792	27,078	57,099	14,415	5,028	4,604	658	255	170,871
North Island total	208,486	170,928	163,665	134,691	207,999	242,479	44,019	18,429	12,523	1,401	560	1,205,180

	Radiata pine Age class (years)											Total (ha)
	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+ Year (ha)	
Nelson and Marlborough wood supply region												
Nelson City	1,195	C	C	1,649	1,467	1,083	108	53	55	C	0	8,145
Tasman District	12,623	8,921	12,844	14,376	14,712	12,470	2,708	756	870	209	19	80,507
Marlborough District	8,626	14,646	10,058	7,803	9,182	21,713	4,367	2,503	1,385	170	28	80,482
Kaikoura District	1,064	C	C	20	155	689	80	18	64	C	2	2,183
Region total	23,508	24,295	24,792	23,849	25,517	35,955	7,262	3,329	2,375	386	49	171,316
West Coast wood supply region												
Buller District	C	C	C	C	C	466	141	38	C	C	C	3,181
Grey District	C	C	C	C	C	1,123	151	84	332	148	C	11,349
Westland District	C	C	C	C	964	854	35	78	C	C	0	7,496
Region total	5,135	3,236	2,773	3,856	2,980	2,443	327	200	865	207	4	22,026
Canterbury wood supply region												
Hurunui District	3,022	2,497	C	3,172	5,650	7,510	1,756	C	557	C	C	27,210
Waimakariri District	272	465	399	799	1,384	2,998	1,198	162	85	11	67	7,840
Christchurch City	476	762	385	443	767	3,272	838	364	322	13	24	7,665
Selwyn District	C	C	762	334	981	2,469	672	305	299	42	C	8,329
Ashburton District	C	C	C	290	191	713	136	76	77	36	21	2,367
Timaru District	C	C	190	457	598	2,246	689	483	90	24	C	6,234
Mackenzie District	179	95	C	85	294	1,186	119	C	115	78	C	2,367
Waimate District	C	C	C	744	678	3,154	527	179	104	C	C	7,957
Banks Peninsula District	0	0	0	0	0	0	0	0	0	0	0	0
Region total	7,070	6,780	5,322	6,324	10,544	23,548	5,935	2,335	1,649	293	170	69,969
Otago and Southland wood supply region												
Waitaki District	3,984	3,940	1,563	842	4,058	4,459	851	396	359	42	30	20,524
Dunedin City	2,622	C	C	850	882	2,406	1,234	240	107	10	C	14,925
Queenstown-Lakes District	0	0	0	0	32	46	24	30	101	4	27	264
Central Otago District	C	C	C	53	254	904	162	215	157	9	C	2,213
Clutha District	13,955	5,300	C	7,900	13,546	14,319	3,291	568	555	C	C	64,740
Gore District	C	0	C	48	774	930	407	37	61	37	C	2,365
Southland District	7,430	5,840	5,173	5,030	11,363	10,584	1,850	860	1,015	173	16	49,333
Invercargill City	42	274	C	33	85	158	89	35	22	C	C	895
Region total	28,456	18,464	15,267	14,756	30,993	33,805	7,908	2,380	2,377	526	328	155,260
South Island total	64,169	52,775	48,154	48,785	70,034	95,750	21,432	8,245	7,266	1,411	550	418,572
New Zealand total	272,655	223,703	211,819	183,476	278,033	338,229	65,451	26,674	19,789	2,812	1,110	1,623,751

Figure 15: Distribution of radiata pine forest area by age class and island, as at 1 April 2024

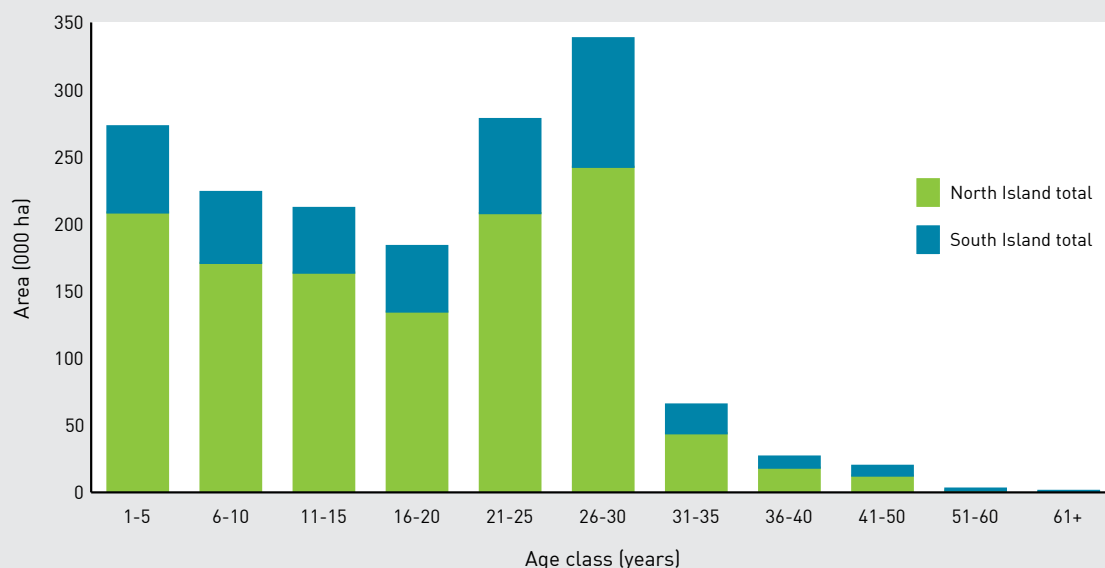


Table 12: Area planted in Douglas-fir by territorial authority, as at 1 April 2024

	Douglas-fir Age class (years)											Total (ha)
	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+ Year (ha)	
Northland wood supply region												
Far North District	C	C	C	0	0	0	2	0	2	0	0	4
Whangarei District	0	0	0	0	0	0	0	0	0	0	0	0
Kaipara District	0	0	0	0	0	0	0	0	0	0	0	0
Auckland Council	C	C	C	0	0	0	0	0	0	0	0	6
Region total	0	6	0	0	0	0	2	0	2	0	0	10
Central North Island wood supply region												
Thames-Coromandel District	0	0	0	0	0	0	0	0	0	0	0	0
Hauraki District	0	0	0	0	0	0	0	0	0	0	0	0
Waikato District	0	0	0	0	0	1	0	1	0	0	0	2
Matamata-Piako District	0	0	0	0	4	0	0	0	0	0	0	4
Hamilton City	0	0	0	0	0	0	0	0	0	0	0	0
Tauranga District	0	0	0	0	0	0	0	0	0	0	0	0
Western Bay of Plenty District	0	0	0	0	8	C	1	0	C	0	C	30
Rotorua District	C	0	0	3	410	349	C	C	C	218	C	1,869
Kawerau District	0	0	0	0	0	0	0	0	0	0	0	0
Whakatane District	C	0	C	C	137	C	C	C	C	C	C	3,392
Opotiki District	0	0	0	0	0	0	0	0	0	0	0	0
Waipa District	0	0	0	0	1	2	0	0	0	0	0	3
Otorohanga District	0	0	0	32	50	29	3	0	0	1	0	115
Waitomo District	0	0	C	C	C	248	22	0	6	3	0	1,873
Ruapehu District	C	C	C	C	C	128	C	C	C	C	C	887
South Waikato District	C	C	C	C	4	13	1	0	C	0	C	483
Taupo District	79	29	80	748	1,268	236	C	C	307	57	C	4,650
Region total	146	310	1,025	2,055	2,236	2,580	2,654	1,094	734	296	178	13,308
East Coast wood supply region												
Gisborne District	C	C	C	534	563	C	0	C	C	212	C	C
Region total	C	C	C	534	563	C	0	C	C	212	C	C
Hawke's Bay wood supply region												
Wairoa District	0	C	0	C	C	0	0	0	C	37	0	82
Hastings District	C	C	C	C	C	C	C	C	C	C	C	220
Napier City	0	0	0	0	0	0	0	0	0	0	0	0
Central Hawke's Bay District	C	C	C	C	C	C	C	C	0	C	C	26
Region total	0	9	24	38	50	113	6	4	19	56	8	328
Southern North Island wood supply region												
New Plymouth District	0	0	0	0	0	0	0	0	0	0	0	0
Stratford District	0	0	C	0	2	0	0	0	C	C	0	197
South Taranaki District	0	0	0	0	0	0	0	0	1	0	0	1
Whanganui District	0	0	0	10	C	C	C	C	C	0	0	53
Rangitikei District	C	C	C	3	37	71	0	1	9	5	7	283
Manawatu District	0	0	0	1	6	0	2	8	3	0	0	20
Kapiti Coast District	C	0	0	0	C	C	0	0	0	0	0	3
Upper Hutt City	0	0	0	1	C	C	C	0	0	1	2	10
Porirua City	0	0	0	0	0	0	0	0	0	0	0	0
Wellington City	0	0	0	0	0	0	0	0	0	0	0	0
Lower Hutt City	0	0	0	0	0	0	0	0	0	0	0	0
Palmerston North City	C	C	C	0	0	0	0	0	0	0	0	23
Tararua District	0	0	0	3	C	0	0	C	C	0	0	34
Masterton District	C	C	C	0	8	12	0	0	C	C	15	70
Horowhenua District	C	C	0	0	0	0	1	0	0	C	0	13
Carterton District	C	0	0	0	C	C	1	0	0	0	0	39
South Wairarapa District	0	0	0	0	0	0	0	1	0	0	0	1
Region total	0	18	158	18	116	109	7	25	29	242	24	746
North Island total	309	618	1,545	2,644	2,965	2,831	2,669	1,124	785	806	213	16,509

	Douglas-fir Age class (years)											Total (ha)
	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+ Year (ha)	
Nelson and Marlborough wood supply region												
Nelson City	C	C	C	C	6	56	C	C	C	C	C	271
Tasman District	0	C	C	126	615	1,514	685	113	236	C	14	3,427
Marlborough District	0	0	170	C	69	395	C	C	47	30	6	952
Kaikoura District	C	C	C	0	10	10	0	0	C	C	C	86
Region total	0	18	210	206	700	1,975	709	248	474	175	22	4,736
West Coast wood supply region												
Buller District	0	C	C	94	C	C	0	2	C	C	1	610
Grey District	0	C	C	C	C	C	0	0	C	C	0	772
Westland District	0	0	0	C	C	4	0	0	C	0	0	24
Region total	0	116	247	313	382	80	0	2	97	168	1	1,406
Canterbury wood supply region												
Hurunui District	C	C	C	941	854	1,206	C	C	C	C	C	4,423
Waimakariri District	0	C	C	C	59	23	10	11	C	C	0	215
Christchurch City	C	0	0	0	70	59	4	33	C	C	0	203
Selwyn District	0	C	0	8	185	341	C	C	C	C	21	1,327
Ashburton District	C	0	C	36	89	130	C	39	C	0	C	494
Timaru District	C	C	332	1,217	2,245	115	85	25	C	C	32	4,631
Mackenzie District	C	C	C	C	557	337	139	59	C	C	2	1,583
Waimate District	0	C	C	217	304	2,738	C	19	C	C	C	3,510
Banks Peninsula District	0	0	0	0	0	0	0	0	0	0	0	0
Region total	137	683	1,076	2,656	4,362	4,949	900	623	764	157	79	16,386
Otago and Southland wood supply region												
Waitaki District	C	0	103	127	675	C	38	67	67	2	C	4,256
Dunedin City	0	C	59	3	230	133	57	241	C	7	C	1,402
Queenstown-Lakes District	0	0	0	3	74	91	81	220	29	2	0	500
Central Otago District	C	185	189	C	2,276	168	34	54	70	C	0	3,482
Clutha District	C	2,179	3,124	2,696	6,912	C	907	1,265	652	84	C	23,365
Gore District	0	0	0	14	1,217	60	14	0	3	12	4	1,324
Southland District	C	C	1,497	C	7,280	8,912	173	455	C	C	C	23,030
Invercargill City	0	0	0	0	0	0	0	0	0	0	0	0
Region total	533	3,109	4,972	6,417	18,664	17,480	1,303	2,302	2,164	149	265	57,359
South Island total	670	3,925	6,504	9,592	24,108	24,484	2,912	3,176	3,499	649	367	79,887
New Zealand total	979	4,543	8,049	12,236	27,074	27,315	5,581	4,300	4,284	1,455	580	96,396

Figure 16: Distribution of Douglas-fir forest area by age class and island, as at 1 April 2024

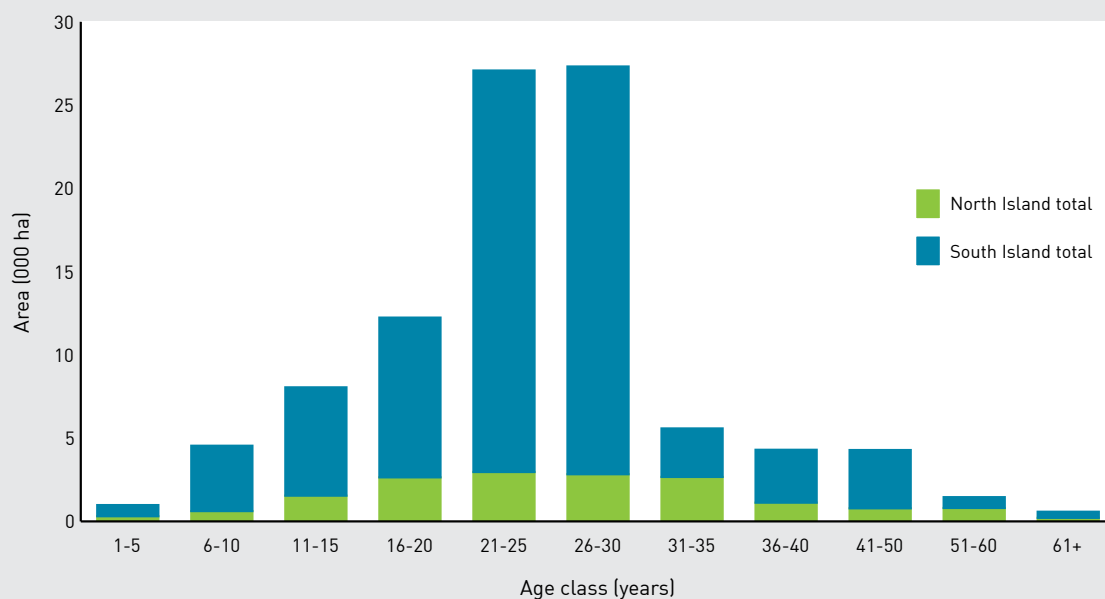




Table 13: Area planted in cypress species by territorial authority, as at 1 April 2024

	Cypress species Age class (years)											Total (ha)
	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+ Year (ha)	
Northland wood supply region												
Far North District	5	0	C	C	56	56	C	C	C	C	0	168
Whangarei District	0	0	0	0	24	C	C	0	C	0	0	36
Kaipara District	0	0	0	C	C	C	C	0	C	0	0	46
Auckland Council	0	0	C	C	C	87	C	C	0	C	0	228
Region total	5	0	17	67	134	152	59	20	14	10	0	478
Central North Island wood supply region												
Thames-Coromandel District	C	0	C	0	C	C	0	0	C	C	0	4
Hauraki District	C	0	C	0	0	0	0	C	0	0	0	19
Waikato District	0	C	0	0	C	C	0	C	0	C	0	55
Matamata-Piako District	0	0	0	0	0	0	0	0	0	0	0	0
Hamilton City	0	0	0	0	0	0	0	0	0	0	0	0
Tauranga District	0	0	0	0	0	0	0	0	0	0	0	0
Western Bay of Plenty District	C	C	C	63	C	C	C	18	C	0	0	135
Rotorua District	22	29	C	C	36	C	C	36	7	0	0	250
Kawerau District	0	0	0	0	0	0	0	0	0	0	0	0
Whakatane District	0	C	C	129	C	C	0	C	0	0	0	246
Opotiki District	0	0	C	0	0	C	0	C	0	0	0	3
Waipa District	C	0	0	C	0	C	0	0	0	0	0	3
Otorohanga District	0	0	C	0	0	C	0	C	0	0	0	6
Waitomo District	C	0	C	0	0	C	0	0	0	0	0	1
Ruapehu District	C	5	C	0	13	0	0	C	0	0	0	109
South Waikato District	0	C	C	C	C	7	C	C	0	0	0	31
Taupo District	C	30	197	C	C	C	3	C	0	0	0	461
Region total	121	85	231	449	128	167	20	109	11	1	0	1,323
East Coast wood supply region												
Gisborne District	0	C	C	C	C	C	C	30	C	C	C	C
Region total	0	C	C	C	C	C	C	30	C	C	C	C
Hawke's Bay wood supply region												
Wairoa District	0	C	C	C	C	C	C	0	C	0	0	174
Hastings District	0	C	C	C	C	0	0	0	0	0	0	106
Napier City	0	0	0	0	0	0	0	0	0	0	0	0
Central Hawke's Bay District	0	C	C	C	C	C	C	0	C	0	0	18
Region total	0	21	80	40	118	19	20	0	1	0	0	298
Southern North Island wood supply region												
New Plymouth District	0	0	0	0	0	0	0	6	0	0	0	6
Stratford District	C	C	C	0	C	C	0	C	C	C	0	109
South Taranaki District	0	0	C	C	C	0	0	0	0	0	0	5
Whanganui District	0	0	C	C	C	C	C	0	6	0	0	130
Rangitikei District	0	0	C	22	4	10	3	C	C	C	C	156
Manawatu District	C	C	0	0	C	C	C	C	C	C	C	39
Kapiti Coast District	0	0	0	0	0	0	0	0	0	0	0	0
Upper Hutt City	0	0	0	0	C	C	C	0	0	0	0	4
Porirua City	0	C	C	0	0	0	C	0	0	0	0	1
Wellington City	0	0	0	0	0	0	0	0	0	0	0	0
Lower Hutt City	0	0	0	0	0	0	0	0	0	0	0	0
Palmerston North City	0	C	C	0	0	0	C	0	0	0	0	27
Tararua District	0	0	0	0	0	0	0	0	0	0	0	0
Masterton District	0	0	4	3	9	C	C	C	0	0	0	46
Horowhenua District	C	0	C	C	C	C	0	0	C	0	0	13
Carterton District	C	0	C	C	0	0	0	0	0	0	0	2
South Wairarapa District	C	0	0	C	C	0	0	0	0	0	0	6
Region total	4	15	78	127	52	52	9	50	57	80	20	544
North Island total	130	127	496	706	453	409	130	208	104	115	24	2,903

	Cypress species Age class (years)											Total (ha)
	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+ Year (ha)	
Nelson and Marlborough wood supply region												
Nelson City	0	0	C	0	6	C	0	0	0	0	C	26
Tasman District	0	C	13	C	23	103	25	C	0	0	0	177
Marlborough District	C	C	C	C	81	C	19	C	0	C	C	210
Kaikoura District	C	0	0	C	0	0	0	0	0	C	0	9
Region total	0	13	26	58	110	152	44	9	0	1	9	422
West Coast wood supply region												
Buller District	0	0	0	0	0	C	0	C	0	0	C	55
Grey District	C	0	0	C	C	C	C	C	C	0	C	324
Westland District	C	0	0	C	C	C	C	C	C	0	0	4,034
Region total	10	0	0	1,616	1,092	1,079	124	387	99	0	7	4,413
Canterbury wood supply region												
Hurunui District	C	0	C	C	C	C	C	C	0	0	C	121
Waimakariri District	0	0	0	0	12	C	C	8	C	0	0	30
Christchurch City	C	0	0	0	C	C	C	0	C	0	C	185
Selwyn District	0	0	0	C	18	C	C	0	0	0	0	29
Ashburton District	C	C	C	C	C	C	C	C	0	0	0	23
Timaru District	0	C	0	0	C	C	0	0	0	0	0	34
Mackenzie District	0	0	0	C	0	C	C	0	0	0	0	26
Waimate District	0	0	0	C	6	C	C	0	0	0	0	36
Banks Peninsula District	0	0	0	0	0	0	0	0	0	0	0	0
Region total	26	1	22	61	97	99	160	8	3	0	7	484
Otago and Southland wood supply region												
Waitaki District	C	C	C	7	C	22	0	0	0	C	C	80
Dunedin City	0	0	C	15	13	46	C	C	0	0	0	144
Queenstown-Lakes District	0	0	0	0	0	0	0	0	0	0	0	0
Central Otago District	0	0	C	0	0	0	C	C	0	0	0	11
Clutha District	0	C	88	168	261	170	25	58	6	C	C	825
Gore District	C	0	0	0	C	0	0	0	0	C	0	14
Southland District	C	26	C	42	C	41	15	16	38	C	0	370
Invercargill City	0	0	0	0	6	0	0	0	0	0	0	6
Region total	44	39	172	232	398	280	94	94	44	50	5	1,451
South Island total	80	53	220	1,967	1,697	1,610	422	498	146	51	28	6,771
New Zealand total	210	180	716	2,673	2,150	2,019	551	706	250	166	52	9,673

Figure 17: Distribution of cypress species forest area by age class and island, as at 1 April 2024

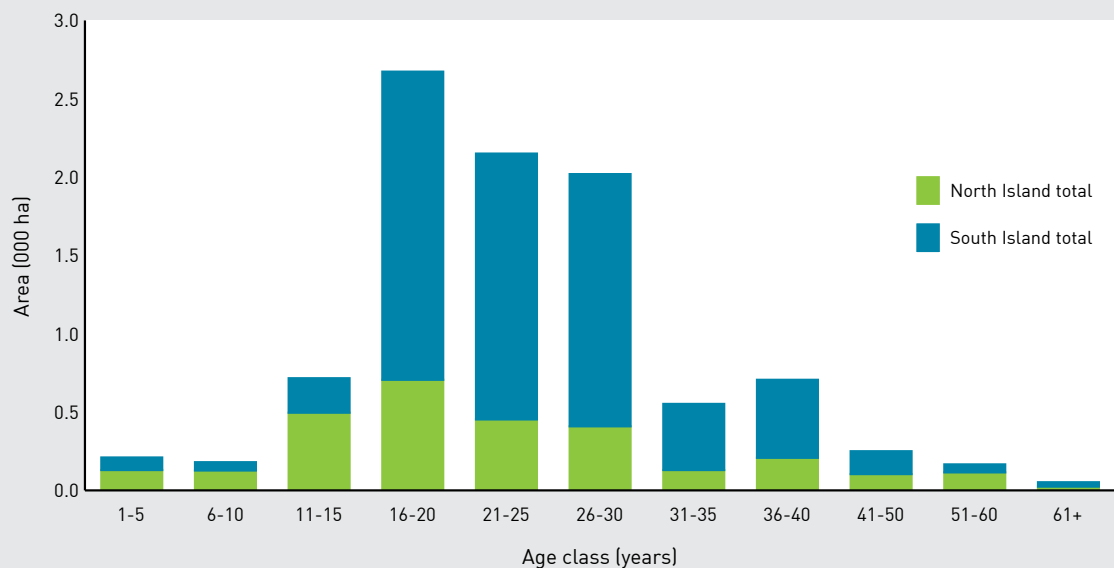


Table 14: Area planted in other softwoods by territorial authority, as at 1 April 2024

	Other softwoods Age class (years)											Total (ha)
	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+ Year (ha)	
Northland wood supply region												
Far North District	C	C	C	64	109	88	46	30	C	12	C	526
Whangarei District	C	0	C	11	50	100	4	C	C	0	C	275
Kaipara District	C	C	0	7	63	17	10	6	C	0	0	167
Auckland Council	31	0	C	5	61	65	8	C	C	0	3	218
Region total	296	17	6	87	283	270	68	60	54	12	32	1,186
Central North Island wood supply region												
Thames-Coromandel District	C	0	C	C	7	17	6	3	4	C	C	68
Hauraki District	0	C	C	C	19	0	C	0	C	C	0	60
Waikato District	C	C	10	C	C	C	C	C	0	0	C	354
Matamata-Piako District	C	C	C	9	11	5	4	1	0	0	3	34
Hamilton City	0	0	0	0	0	0	0	0	0	0	0	0
Tauranga District	0	0	0	0	0	0	0	0	0	0	0	0
Western Bay of Plenty District	0	35	3	27	80	106	16	C	C	0	C	307
Rotorua District	42	28	114	C	92	96	43	C	C	C	C	589
Kawerau District	0	0	0	0	0	0	0	0	0	0	0	0
Whakatane District	C	0	C	14	13	69	29	16	25	3	C	210
Opotiki District	C	C	C	0	2	3	1	0	0	0	0	16
Waipa District	C	0	0	0	C	36	2	1	0	0	C	141
Otorohanga District	87	C	C	C	7	21	28	3	0	3	0	613
Waitomo District	0	C	C	C	27	48	3	3	10	0	0	1,054
Ruapehu District	517	642	C	14	155	190	13	6	C	C	12	1,639
South Waikato District	C	55	0	0	C	C	3	C	2	5	C	203
Taupo District	C	52	69	26	56	178	C	35	30	43	C	653
Region total	828	840	1,308	653	598	844	248	146	225	92	159	5,942
East Coast wood supply region												
Gisborne District	C	C	C	C	C	34	0	C	142	163	3	C
Region total	C	C	C	C	C	34	0	C	142	163	3	C
Hawke's Bay wood supply region												
Wairoa District	C	0	195	C	C	C	0	0	C	C	C	582
Hastings District	C	C	C	C	C	0	C	C	C	C	C	164
Napier City	0	0	0	0	0	0	0	0	0	0	0	0
Central Hawke's Bay District	C	C	C	C	C	C	C	C	0	0	0	40
Region total	291	71	226	72	51	6	4	2	24	24	16	786
Southern North Island wood supply region												
New Plymouth District	0	38	190	185	425	22	C	0	C	C	0	881
Stratford District	0	C	C	C	9	8	C	C	3	C	0	514
South Taranaki District	0	0	C	C	32	28	15	2	C	0	3	199
Whanganui District	C	0	C	44	102	62	C	C	C	C	1	322
Rangitikei District	0	C	C	C	141	35	29	10	9	0	18	928
Manawatu District	C	C	C	17	38	27	9	14	5	0	10	366
Kapiti Coast District	0	0	0	1	15	8	5	0	0	0	0	29
Upper Hutt City	0	0	0	1	1	8	10	0	0	0	0	20
Porirua City	0	0	0	0	0	6	0	0	0	0	0	6
Wellington City	0	0	0	0	0	0	0	0	0	0	0	0
Lower Hutt City	0	0	0	0	0	2	2	0	0	0	0	4
Palmerston North City	C	C	C	0	0	0	1	0	0	0	0	15
Tararua District	18	0	0	6	21	7	C	C	C	0	2	324
Masterton District	C	2	C	44	46	48	30	41	C	25	2	313
Horowhenua District	0	0	C	C	7	19	9	1	C	0	1	51
Carterton District	0	0	0	0	14	6	C	C	1	C	0	75
South Wairarapa District	0	0	0	6	8	4	5	0	1	0	5	29
Region total	405	399	758	700	859	290	141	95	308	78	42	4,076
North Island total	1,831	1,331	2,345	1,582	1,811	1,444	461	316	752	369	252	12,496

	Other softwoods Age class (years)											Total (ha)
	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+ Year (ha)	
Nelson and Marlborough wood supply region												
Nelson City	C	C	0	0	0	2	0	0	C	C	C	119
Tasman District	C	C	C	C	93	170	45	41	C	33	C	857
Marlborough District	C	26	0	50	117	91	30	28	C	C	0	421
Kaikoura District	C	0	C	C	7	0	0	0	1	0	0	8
Region total	179	105	36	151	217	263	75	69	234	44	32	1,406
West Coast wood supply region												
Buller District	C	0	0	1	2	27	0	C	146	6	C	235
Grey District	C	C	0	2	C	7	1	C	C	C	C	343
Westland District	C	C	0	55	C	87	1	7	C	C	C	412
Region total	128	43	0	58	141	121	2	49	284	99	65	990
Canterbury wood supply region												
Hurunui District	C	C	C	810	72	38	24	C	C	C	C	2,396
Waimakariri District	C	C	C	C	9	93	56	C	C	C	C	286
Christchurch City	C	0	C	13	49	752	C	45	5	C	7	1,157
Selwyn District	C	C	0	1	53	155	33	C	8	0	0	495
Ashburton District	0	0	0	19	C	28	68	C	C	0	34	215
Timaru District	0	0	C	C	34	311	C	C	C	C	10	481
Mackenzie District	0	C	C	6	26	517	68	156	23	149	C	1,281
Waimate District	C	C	C	63	C	98	26	C	C	C	C	387
Banks Peninsula District	0	0	0	0	0	0	0	0	0	0	0	0
Region total	790	97	714	964	342	1,992	561	400	288	343	207	6,698
Otago and Southland wood supply region												
Waitaki District	0	C	119	C	82	131	24	69	15	5	C	495
Dunedin City	31	197	4	C	C	42	39	C	30	C	C	402
Queenstown-Lakes District	0	0	0	0	C	14	12	C	0	C	0	42
Central Otago District	C	C	138	C	163	414	210	83	26	C	C	1,684
Clutha District	645	261	139	C	271	206	79	83	79	C	C	1,838
Gore District	0	0	0	3	7	101	40	0	0	0	0	151
Southland District	C	358	21	C	55	141	68	101	168	C	10	1,808
Invercargill City	0	0	0	0	0	2	1	0	0	0	0	3
Region total	1,635	1,032	421	278	589	1,051	473	381	317	183	62	6,422
South Island total	2,732	1,277	1,170	1,451	1,289	3,427	1,111	898	1,124	670	366	15,516
New Zealand total	4,563	2,608	3,516	3,034	3,100	4,871	1,572	1,215	1,876	1,039	619	28,012

Figure 18: Distribution of other softwoods forest area by age class and island, as at 1 April 2024

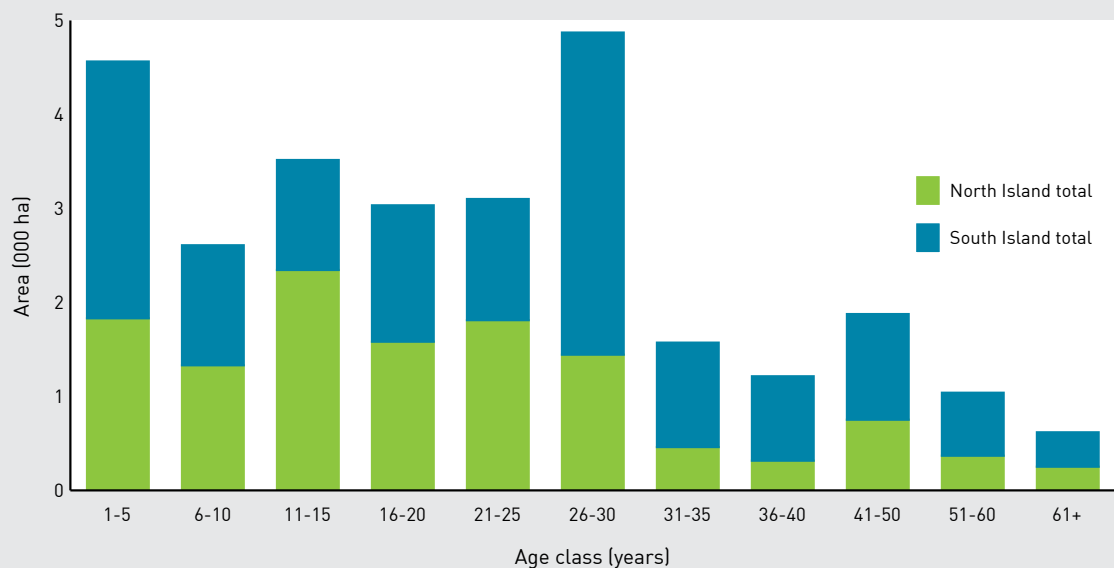


Table 15: Area planted in eucalypts by territorial authority, as at 1 April 2024

	Eucalypts Age class (years)											Total (ha)
	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+ Year (ha)	
Northland wood supply region												
Far North District	C	C	5	8	C	C	C	72	69	C	10	416
Whangarei District	C	C	0	0	0	C	25	C	C	C	C	152
Kaipara District	C	C	0	0	C	C	C	C	C	C	C	166
Auckland Council	C	C	25	18	7	C	10	C	16	C	C	90
Region total	301	32	30	26	23	123	37	83	154	3	14	825
Central North Island wood supply region												
Thames-Coromandel District	0	0	0	C	0	0	0	9	C	0	C	46
Hauraki District	C	0	C	0	C	0	0	0	0	0	0	1
Waikato District	C	0	0	0	0	2	C	C	0	0	0	4
Matamata-Piako District	0	0	C	0	0	0	0	C	C	0	0	0
Hamilton City	0	0	0	0	0	0	0	0	0	0	0	0
Tauranga District	0	0	0	0	0	0	0	0	0	0	0	0
Western Bay of Plenty District	C	19	C	C	C	C	C	C	C	0	C	318
Rotorua District	C	C	0	0	0	55	C	C	2	0	C	180
Kawerau District	0	0	0	0	0	0	0	0	0	0	0	0
Whakatane District	C	0	C	C	C	C	C	C	0	0	0	90
Opotiki District	0	C	0	0	0	0	0	C	0	C	0	4
Waipa District	0	0	0	0	0	0	0	0	0	0	0	0
Otorohanga District	0	0	0	0	0	C	0	C	0	C	0	4
Waitomo District	0	0	C	0	0	0	0	C	C	0	0	100
Ruapehu District	C	C	C	C	2	0	0	0	0	0	0	61
South Waikato District	C	C	C	280	C	C	0	C	0	C	0	3,593
Taupo District	C	C	C	61	C	C	C	C	9	C	C	2,584
Region total	966	1,333	2,888	414	378	504	31	101	65	212	94	6,986
East Coast wood supply region												
Gisborne District	C	C	C	C	C	C	69	26	87	2	0	C
Region total	C	C	C	C	C	C	69	26	87	2	0	C
Hawke's Bay wood supply region												
Wairoa District	C	C	C	C	C	C	0	C	C	0	0	632
Hastings District	C	C	C	C	C	C	C	C	9	C	0	384
Napier City	C	0	C	0	0	C	0	0	0	0	0	6
Central Hawke's Bay District	C	C	C	C	C	C	C	0	C	C	0	132
Region total	214	206	354	172	161	23	8	4	11	3	0	1,155
Southern North Island wood supply region												
New Plymouth District	0	0	0	0	0	C	0	C	C	0	0	9
Stratford District	C	C	0	0	0	0	0	C	C	C	C	24
South Taranaki District	C	0	C	0	0	0	C	0	0	0	0	44
Whanganui District	0	0	0	0	0	0	0	0	0	0	0	0
Rangitikei District	C	C	C	C	C	C	C	C	C	0	0	42
Manawatu District	C	C	0	0	8	3	0	0	0	0	C	23
Kapiti Coast District	0	0	0	0	0	0	0	0	0	0	0	0
Upper Hutt City	0	0	0	0	0	0	0	0	0	0	0	0
Porirua City	0	0	0	0	0	0	0	0	0	0	0	0
Wellington City	0	0	0	0	0	0	0	0	0	0	0	0
Lower Hutt City	0	0	0	0	0	0	0	0	0	0	0	0
Palmerston North City	0	C	0	0	C	0	0	C	0	0	0	17
Tararua District	0	0	0	0	0	0	0	0	0	0	0	0
Masterton District	C	C	29	C	C	C	C	4	0	0	0	80
Horowhenua District	C	C	0	0	C	C	0	C	C	0	0	26
Carterton District	C	C	C	0	0	0	0	0	C	C	0	27
South Wairarapa District	C	0	C	0	0	0	0	0	C	0	0	123
Region total	34	82	53	8	22	21	7	28	155	4	1	415
North Island total	1,522	1,740	3,349	646	624	698	152	242	472	224	109	9,776

	Eucalypts Age class (years)											Total (ha)
	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+ Year (ha)	
Nelson and Marlborough wood supply region												
Nelson City	C	0	C	0	0	0	0	0	C	0	0	18
Tasman District	C	C	C	0	0	C	C	C	C	C	C	201
Marlborough District	C	C	C	25	0	C	C	C	C	C	C	198
Kaikoura District	C	0	C	0	0	0	0	0	C	0	0	2
Region total	14	58	46	25	0	6	4	31	218	16	1	419
West Coast wood supply region												
Buller District	C	0	C	0	C	C	0	0	C	C	C	354
Grey District	0	0	0	0	0	C	0	0	C	C	0	72
Westland District	C	0	C	0	C	C	0	0	C	0	C	41
Region total	0	0	0	0	1	5	0	0	391	63	7	467
Canterbury wood supply region												
Hurunui District	C	C	0	0	C	C	C	C	0	0	0	55
Waimakariri District	0	C	0	0	C	C	0	0	0	0	0	6
Christchurch City	0	C	0	C	C	C	C	C	0	0	C	53
Selwyn District	C	0	0	0	C	0	C	C	C	0	0	9
Ashburton District	C	C	C	0	C	C	C	C	0	0	0	16
Timaru District	C	0	C	C	0	C	C	0	0	0	C	13
Mackenzie District	0	0	0	0	0	0	0	0	0	0	0	0
Waimate District	C	0	0	0	0	0	0	C	C	0	0	2
Banks Peninsula District	0	0	0	0	0	0	0	0	0	0	0	0
Region total	19	28	0	3	21	35	23	9	6	0	10	154
Otago and Southland wood supply region												
Waitaki District	C	2	C	0	0	0	C	C	C	0	C	84
Dunedin City	0	0	0	0	0	C	18	C	C	0	0	35
Queenstown-Lakes District	0	0	0	0	0	0	0	0	0	0	0	0
Central Otago District	0	0	0	0	0	C	0	C	C	0	0	28
Clutha District	C	C	C	C	C	C	5	38	C	3	0	837
Gore District	C	0	C	C	C	0	C	0	0	0	0	661
Southland District	C	C	1,402	C	C	C	396	C	C	7	C	9,665
Invercargill City	0	4	0	0	0	0	0	0	0	0	0	4
Region total	2,755	1,514	1,498	859	2,794	1,112	437	155	179	10	3	11,315
South Island total	2,788	1,600	1,544	887	2,816	1,158	464	195	794	89	21	12,354
New Zealand total	4,310	3,339	4,893	1,533	3,440	1,856	615	437	1,266	312	130	22,131

Figure 19: Distribution of eucalypts forest area by age class and island, as at 1 April 2024

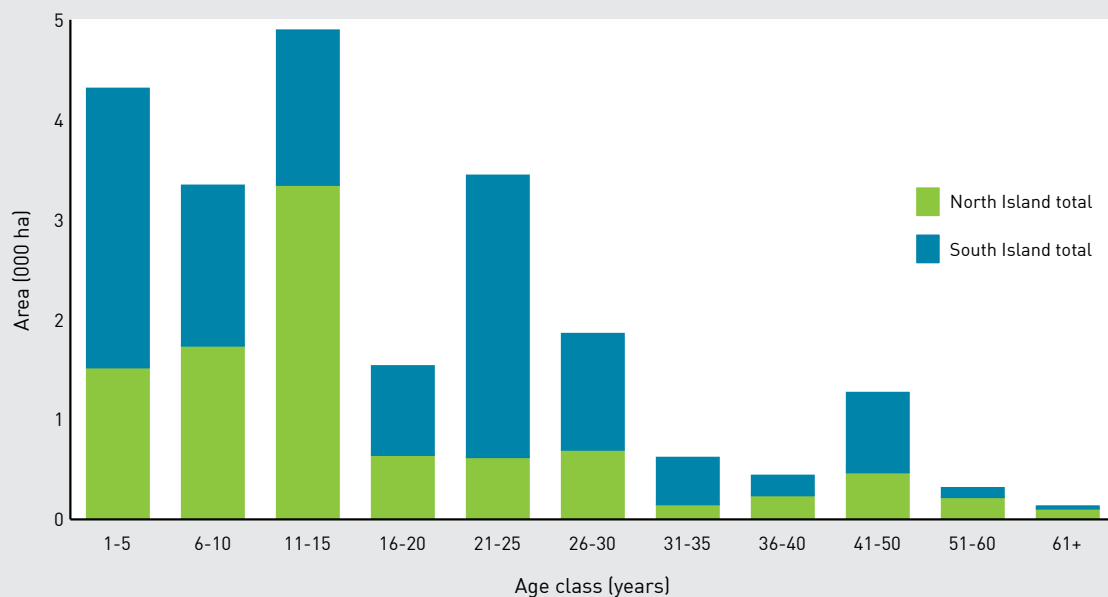




Table 16: Area planted in other hardwoods by territorial authority, as at 1 April 2024

	Other hardwoods Age class (years)											Total [ha]
	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+ Year [ha]	
Northland wood supply region												
Far North District	477	112	22	87	348	143	35	100	49	1	2	1,376
Whangarei District	C	31	C	3	76	182	C	C	23	1	C	470
Kaipara District	C	7	0	18	132	160	C	C	7	0	0	379
Auckland Council	C	0	C	17	148	224	63	55	76	5	C	628
Region total	565	150	36	125	704	709	214	168	155	7	20	2,853
Central North Island wood supply region												
Thames-Coromandel District	0	0	0	0	4	26	11	4	10	0	2	57
Hauraki District	0	C	C	C	C	21	0	0	0	0	6	62
Waikato District	0	C	C	0	C	35	25	C	C	0	1	124
Matamata-Piako District	0	0	0	0	8	6	10	0	1	0	0	25
Hamilton City	0	0	0	0	0	0	0	0	0	0	0	0
Tauranga District	C	C	0	2	C	8	1	0	1	0	0	13
Western Bay of Plenty District	C	0	C	20	49	65	44	16	45	0	C	242
Rotorua District	77	C	C	C	148	203	45	C	21	C	C	632
Kawerau District	C	C	0	C	0	3	0	0	0	0	0	4
Whakatane District	C	C	C	4	77	77	41	7	C	0	C	302
Opotiki District	0	0	0	4	16	5	3	0	0	0	0	28
Waipa District	C	C	0	C	101	84	2	2	9	0	0	248
Otorohanga District	C	C	0	8	C	14	8	34	0	0	2	108
Waitomo District	C	C	0	1	18	47	3	26	C	2	0	113
Ruapehu District	14	C	0	1	1	4	0	C	C	0	0	35
South Waikato District	21	40	C	C	15	36	5	2	3	0	C	160
Taupo District	43	149	C	16	60	110	14	C	9	C	0	501
Region total	201	328	114	134	554	744	212	207	122	15	23	2,653
East Coast wood supply region												
Gisborne District	C	C	19	C	C	C	C	40	C	6	C	C
Region total	C	C	19	C	C	C	C	40	C	6	C	C
Hawke's Bay wood supply region												
Wairoa District	C	C	C	C	C	C	0	C	C	0	C	21
Hastings District	C	C	C	C	C	0	C	0	0	C	C	63
Napier City	0	0	0	0	0	0	0	0	0	0	0	0
Central Hawke's Bay District	C	C	C	C	C	C	C	C	C	C	C	36
Region total	9	40	25	15	7	3	2	10	1	1	6	120
Southern North Island wood supply region												
New Plymouth District	0	C	C	3	14	22	C	4	1	0	0	52
Stratford District	C	C	C	5	12	22	C	C	C	C	C	179
South Taranaki District	0	0	0	3	21	18	11	1	3	0	0	57
Whanganui District	0	0	C	9	34	28	10	C	1	0	C	90
Rangitikei District	0	C	0	3	48	44	30	5	C	C	39	191
Manawatu District	0	C	C	4	12	C	20	C	C	0	C	115
Kapiti Coast District	0	0	0	0	12	15	3	0	1	0	0	31
Upper Hutt City	0	0	0	0	0	2	1	5	0	0	0	8
Porirua City	0	0	0	0	0	0	0	2	0	0	0	2
Wellington City	0	0	0	0	0	0	0	0	0	0	0	0
Lower Hutt City	0	0	0	0	0	0	0	0	0	0	0	0
Palmerston North City	0	0	0	3	C	C	C	0	0	0	0	64
Tararua District	C	C	0	C	20	9	7	C	C	C	0	191
Masterton District	0	C	8	15	C	C	C	5	C	C	4	126
Horowhenua District	C	0	0	0	1	46	C	1	1	0	C	188
Carterton District	0	C	0	1	0	C	10	2	C	0	0	50
South Wairarapa District	C	C	0	C	0	19	24	12	9	0	0	69
Region total	237	108	34	103	192	329	200	75	57	14	65	1,413
North Island total	1,047	681	228	467	1,547	1,808	648	500	347	43	119	7,433

	Other hardwoods Age class (years)											Total (ha)
	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+ Year (ha)	
Nelson and Marlborough wood supply region												
Nelson City	0	0	0	0	0	4	5	0	C	C	C	15
Tasman District	C	4	C	C	23	113	55	39	C	C	C	309
Marlborough District	C	C	C	C	17	88	36	C	9	C	5	217
Kaikoura District	0	C	0	0	0	0	0	C	3	C	0	4
Region total	3	15	5	36	40	205	96	55	55	20	15	545
West Coast wood supply region												
Buller District	C	C	0	C	C	5	2	C	C	0	0	160
Grey District	C	C	0	C	C	5	C	C	C	0	C	189
Westland District	0	0	0	287	31	336	C	531	C	0	C	1,847
Region total	52	7	0	386	44	346	600	639	110	0	13	2,196
Canterbury wood supply region												
Hurunui District	0	C	0	3	C	32	8	14	0	0	C	86
Waimakariri District	0	0	0	0	1	73	36	13	0	0	0	123
Christchurch City	0	0	0	104	C	473	121	21	20	C	C	965
Selwyn District	88	C	0	0	C	23	C	4	2	0	C	215
Ashburton District	0	C	0	0	C	12	C	6	0	0	0	32
Timaru District	0	0	0	1	C	19	8	12	0	C	C	77
Mackenzie District	0	0	0	0	5	33	1	2	9	0	9	59
Waimate District	0	0	0	0	2	25	19	2	0	4	3	55
Banks Peninsula District	0	0	0	0	0	0	0	0	0	0	0	0
Region total	88	23	0	108	288	690	274	74	31	7	29	1,612
Otago and Southland wood supply region												
Waitaki District	C	C	C	2	5	34	21	16	16	0	3	129
Dunedin City	C	0	C	C	5	18	21	C	C	0	C	97
Queenstown-Lakes District	0	0	0	0	0	0	0	3	0	0	0	3
Central Otago District	0	0	0	0	7	31	C	7	C	C	0	85
Clutha District	C	28	C	C	17	35	22	C	C	4	C	184
Gore District	0	0	0	1	5	2	6	2	0	0	0	16
Southland District	C	C	C	10	25	124	C	14	C	C	2	376
Invercargill City	0	0	0	0	0	0	0	0	0	0	0	0
Region total	92	113	42	17	64	244	124	82	61	8	43	890
South Island total	235	158	47	547	436	1,485	1,094	850	257	35	100	5,243
New Zealand total	1,282	839	274	1,014	1,983	3,292	1,742	1,349	604	78	219	12,677

Figure 20: Distribution of other hardwoods forest area by age class and island, as at 1 April 2024

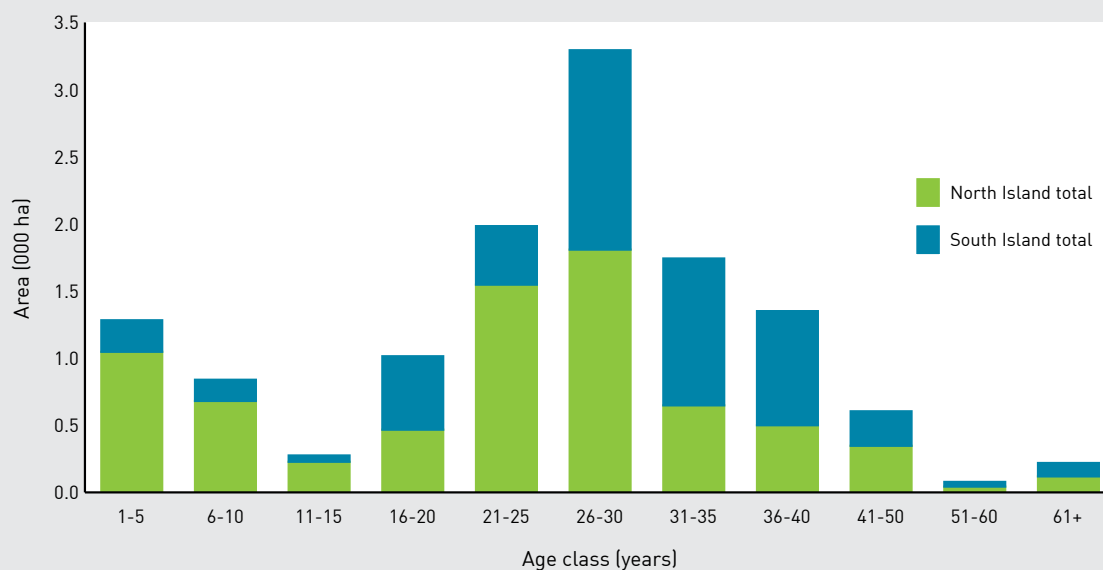


Table 17: Area planted in radiata pine pruned with production thinning by territorial authority, as at 1 April 2024

	Radiata pine pruned with production thinning											
	Age class (years)											
	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+ Year (ha)	Total (ha)
Northland wood supply region												
Far North District	56	C	C	183	730	2,287	717	C	238	4	0	6,826
Whangarei District	0	0	0	37	393	1,293	756	C	244	C	C	2,980
Kaipara District	0	183	0	18	224	2,058	330	75	101	4	4	2,997
Auckland Council	0	C	C	198	1,176	2,159	410	C	533	C	C	4,902
Region total	56	343	133	436	2,523	7,797	2,213	2,899	1,116	183	6	17,705
Central North Island wood supply region												
Thames-Coromandel District	0	0	48	39	77	349	97	125	107	0	0	842
Hauraki District	0	0	C	C	C	382	34	4	31	0	0	607
Waikato District	C	0	C	C	163	768	276	25	44	0	0	1,400
Matamata-Piako District	0	0	0	7	55	100	26	18	9	1	0	216
Hamilton City	C	0	0	0	0	C	C	0	1	0	0	14
Tauranga District	0	0	0	1	1	7	0	0	5	0	0	14
Western Bay of Plenty District	C	C	C	145	398	1,043	612	74	57	0	0	2,558
Rotorua District	C	0	C	C	895	C	C	37	179	C	C	3,888
Kawerau District	0	0	0	0	0	0	0	0	0	0	0	0
Whakatane District	C	286	C	C	1,479	508	419	5	55	6	0	5,453
Opotiki District	0	0	0	0	3	20	20	0	11	0	0	54
Waipa District	0	0	C	C	206	445	53	13	40	C	0	860
Otorohanga District	0	0	0	44	139	366	98	17	15	0	0	679
Waitomo District	206	0	13	29	339	1,709	248	78	54	0	0	2,676
Ruapehu District	C	0	C	107	623	3,686	75	53	39	0	C	5,539
South Waikato District	0	0	0	3	26	115	50	39	35	0	0	268
Taupo District	C	C	C	C	C	2,236	573	38	0	14	0	17,690
Region total	3,833	631	3,318	8,405	9,585	12,698	3,048	526	682	25	7	42,758
East Coast wood supply region												
Gisborne District	C	C	C	C	C	C	C	C	C	0	0	C
Region total	C	C	C	C	C	C	C	C	C	0	0	C
Hawke's Bay wood supply region												
Wairoa District	C	C	C	C	C	C	C	0	0	0	0	6,534
Hastings District	4,491	2,008	C	C	C	C	C	C	0	0	0	11,412
Napier City	C	C	0	0	0	C	0	0	0	0	0	15
Central Hawke's Bay District	1,913	362	C	C	C	C	C	C	0	0	0	3,479
Region total	7,797	3,913	2,176	1,132	2,038	3,960	422	2	0	0	0	21,439
Southern North Island wood supply region												
New Plymouth District	0	C	C	C	109	349	181	111	59	1	0	865
Stratford District	0	0	0	35	88	799	232	15	24	0	1	1,194
South Taranaki District	0	C	C	C	574	811	321	172	196	4	3	2,411
Whanganui District	C	94	C	556	1,372	3,604	715	70	42	42	C	6,504
Rangitikei District	398	102	100	167	552	2,582	444	198	211	6	0	4,760
Manawatu District	26	C	70	128	280	1,065	C	182	C	8	0	2,519
Kapiti Coast District	C	C	0	30	328	454	56	44	30	C	0	978
Upper Hutt City	0	0	0	4	15	170	51	17	39	6	24	326
Porirua City	0	0	0	0	8	69	45	127	44	0	0	293
Wellington City	0	0	C	0	0	C	77	C	C	0	0	172
Lower Hutt City	0	0	0	0	0	C	0	C	C	0	0	78
Palmerston North City	0	C	0	130	112	227	C	25	C	0	0	647
Tararua District	C	98	C	66	189	977	481	184	188	7	C	2,710
Masterton District	C	88	C	48	225	603	374	59	65	0	C	1,777
Horowhenua District	C	C	C	40	145	893	519	165	125	C	C	1,900
Carterton District	0	0	0	26	7	69	25	1	11	4	0	143
South Wairarapa District	0	0	C	52	176	141	59	C	C	13	0	505
Region total	750	519	987	1,426	4,180	12,882	4,164	1,386	1,355	95	38	27,781
North Island total	15,668	8,160	8,841	12,054	22,623	41,250	10,308	4,863	3,181	303	51	127,302

	Radiata pine pruned with production thinning											Total [ha]
	Age class (years)											
	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+ Year [ha]	
Nelson and Marlborough wood supply region												
Nelson City	0	0	0	0	1	14	0	0	0	0	0	15
Tasman District	50	C	C	135	383	1,402	585	218	C	25	1	2,969
Marlborough District	140	C	C	186	900	3,734	570	635	C	0	0	6,900
Kaikoura District	0	0	0	3	25	77	45	4	7	0	0	161
Region total	190	367	277	324	1,309	5,227	1,200	857	268	25	1	10,045
West Coast wood supply region												
Buller District	0	0	0	C	C	23	C	2	0	0	0	52
Grey District	0	0	0	0	7	145	39	44	91	0	0	326
Westland District	0	0	0	C	C	51	C	23	0	0	0	110
Region total	0	0	0	2	51	219	56	69	91	0	0	488
Canterbury wood supply region												
Hurunui District	C	C	14	151	411	1,886	507	187	211	C	3	3,450
Waimakariri District	0	0	0	22	54	797	457	73	22	0	26	1,451
Christchurch City	0	C	C	C	236	610	158	46	42	0	0	1,243
Selwyn District	0	0	C	4	69	447	220	84	119	C	C	970
Ashburton District	C	C	0	14	22	207	52	23	36	C	0	382
Timaru District	0	C	C	C	147	634	199	114	C	C	C	1,221
Mackenzie District	0	0	0	10	51	195	29	43	21	1	0	350
Waimate District	0	C	0	C	87	280	130	44	C	0	0	606
Banks Peninsula District	0	0	0	0	0	0	0	0	0	0	0	0
Region total	7	38	38	388	1,077	5,056	1,752	614	545	128	30	9,673
Otago and Southland wood supply region												
Waitaki District	0	0	C	C	302	698	228	C	172	2	0	1,495
Dunedin City	C	0	25	C	32	446	265	C	0	0	0	890
Queenstown-Lakes District	C	0	0	0	0	C	0	10	86	0	C	111
Central Otago District	C	0	C	C	29	C	26	C	31	0	C	266
Clutha District	C	32	31	C	469	1,779	709	C	95	17	0	3,722
Gore District	0	0	0	2	197	444	47	5	21	16	0	732
Southland District	447	56	164	175	1,514	1,189	317	179	335	79	0	4,454
Invercargill City	0	0	0	3	0	49	14	0	1	0	0	67
Region total	888	88	225	384	2,543	4,658	1,606	455	741	114	36	11,738
South Island total	1,085	492	540	1,098	4,980	15,160	4,614	1,995	1,645	266	67	31,943
New Zealand total	16,753	8,652	9,380	13,152	27,603	56,411	14,922	6,858	4,826	570	118	159,245

Figure 21: Distribution of radiata pine pruned with production thinning forest area by age class and island, as at 1 April 2024

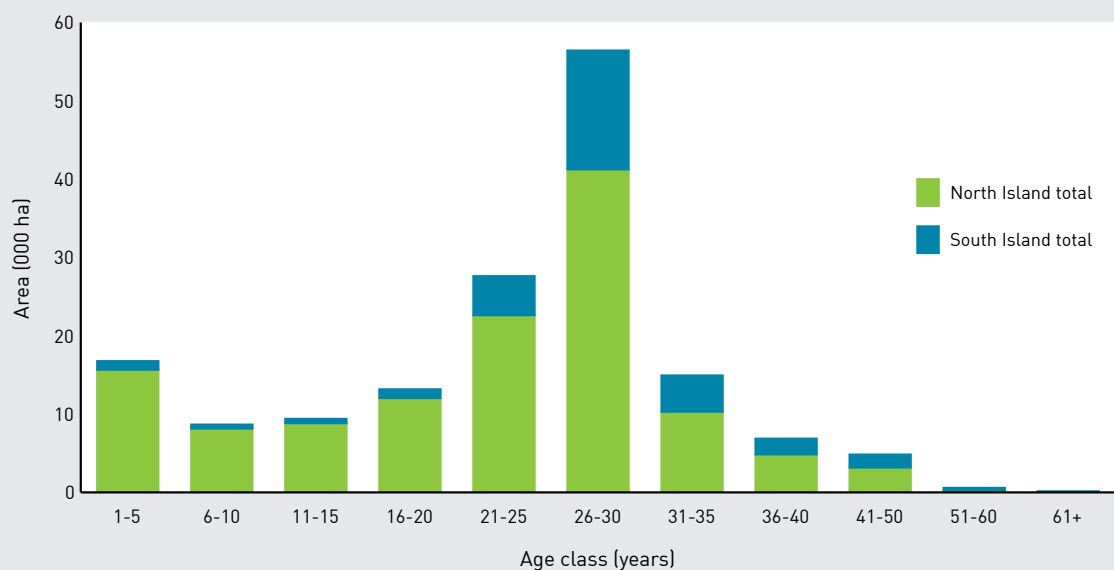


Table 18: Area planted in radiata pine unpruned with production thinning by territorial authority, as at 1 April 2024

	Radiata pine unpruned with production thinning											Total (ha)
	Age class (years)											
	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+ Year (ha)	
Northland wood supply region												
Far North District	636	C	C	C	C	76	3	C	207	C	0	9,213
Whangarei District	C	0	0	0	0	C	0	0	C	0	0	4
Kaipara District	C	0	0	C	C	C	0	0	C	C	0	341
Auckland Council	0	C	C	86	130	375	166	C	0	0	0	852
Region total	636	2,031	3,170	2,038	1,308	762	169	29	210	57	0	10,410
Central North Island wood supply region												
Thames-Coromandel District	C	40	C	226	C	99	4	0	C	C	0	770
Hauraki District	0	0	0	0	0	0	0	0	0	0	0	0
Waikato District	0	0	C	C	C	6	7	0	0	0	0	284
Matamata-Piako District	0	0	0	0	0	0	0	0	0	0	0	0
Hamilton City	0	0	0	0	0	0	0	0	0	0	0	0
Tauranga District	0	0	0	0	0	0	0	0	0	0	0	0
Western Bay of Plenty District	0	C	0	C	116	69	20	0	0	0	C	221
Rotorua District	C	C	C	C	16	122	38	0	C	0	C	3,806
Kawerau District	0	0	0	0	0	0	0	0	0	0	0	0
Whakatane District	C	C	1,059	C	213	50	68	0	0	0	0	13,844
Opotiki District	0	0	0	1	C	C	1	C	0	0	0	66
Waipa District	0	0	0	1	37	36	0	0	0	0	0	74
Otorohanga District	0	0	0	8	12	8	3	0	0	0	0	31
Waitomo District	0	C	0	C	216	456	C	0	0	0	0	789
Ruapehu District	0	C	C	C	C	352	C	0	0	0	0	1,370
South Waikato District	0	0	0	2	4	19	8	0	0	0	0	33
Taupo District	C	C	C	C	C	C	278	C	0	C	0	16,512
Region total	18,357	10,828	3,375	1,064	1,923	1,635	520	54	40	4	1	37,800
East Coast wood supply region												
Gisborne District	C	C	C	C	C	C	C	C	0	C	0	C
Region total	C	C	C	C	C	C	C	C	0	C	0	C
Hawke's Bay wood supply region												
Wairoa District	C	C	C	C	C	C	C	0	0	0	0	6,692
Hastings District	C	C	C	C	1,106	C	C	C	0	0	C	7,420
Napier City	C	0	C	0	0	C	0	0	0	0	0	3
Central Hawke's Bay District	C	C	C	C	C	C	C	C	0	0	C	2,200
Region total	4,641	3,327	1,733	1,202	2,233	2,650	524	4	0	0	1	16,314
Southern North Island wood supply region												
New Plymouth District	0	0	C	C	5	C	0	0	0	0	0	80
Stratford District	0	0	0	0	0	0	0	0	0	0	0	0
South Taranaki District	0	0	0	0	0	5	7	3	2	0	0	17
Whanganui District	C	C	C	C	0	C	C	0	0	0	0	574
Rangitikei District	C	0	C	C	C	C	C	0	C	0	C	2,080
Manawatu District	0	C	C	1	1	10	0	0	C	0	0	20
Kapiti Coast District	0	0	0	0	0	10	0	0	0	0	0	10
Upper Hutt City	0	0	0	0	0	0	0	0	0	0	0	0
Porirua City	0	0	0	0	0	0	0	0	0	0	0	0
Wellington City	C	0	0	0	C	0	0	C	0	0	0	43
Lower Hutt City	0	0	0	0	0	0	0	0	0	0	0	0
Palmerston North City	0	0	0	0	0	42	0	0	0	0	0	42
Tararua District	0	0	0	11	15	210	7	30	11	0	0	284
Masterton District	C	C	C	C	C	172	16	C	4	C	0	489
Horowhenua District	C	275	C	544	C	355	C	0	C	C	C	2,712
Carterton District	0	0	0	0	1	7	0	3	0	0	0	11
South Wairarapa District	0	C	C	34	281	22	25	6	C	0	0	415
Region total	405	497	790	1,277	1,921	1,612	130	73	35	2	35	6,777
North Island total	27,512	18,569	11,533	6,249	11,514	11,488	1,907	292	285	65	37	89,450

	Radiata pine unpruned with production thinning											Total (ha)
	Age class (years)											
	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+ Year (ha)	
Nelson and Marlborough wood supply region												
Nelson City	0	0	C	0	C	9	0	0	0	C	0	12
Tasman District	C	C	C	137	206	354	142	82	88	23	0	1,152
Marlborough District	C	C	C	13	C	260	215	47	209	C	0	854
Kaikoura District	0	0	0	0	0	1	5	0	0	0	0	6
Region total	50	69	27	150	290	624	362	129	297	26	0	2,024
West Coast wood supply region												
Buller District	0	0	0	0	0	0	0	0	0	0	0	0
Grey District	0	0	0	0	4	1	0	0	0	0	0	5
Westland District	0	0	0	0	0	0	0	0	4	0	0	4
Region total	0	0	0	0	4	1	0	0	4	0	0	9
Canterbury wood supply region												
Hurunui District	C	C	C	72	135	400	C	34	53	0	C	1,099
Waimakariri District	0	0	0	5	9	146	39	C	10	C	C	232
Christchurch City	C	0	C	2	16	89	C	0	C	1	C	132
Selwyn District	C	0	0	26	200	285	19	6	C	0	C	560
Ashburton District	0	0	0	3	2	47	23	0	37	0	0	112
Timaru District	C	0	0	1	0	30	C	25	C	0	0	169
Mackenzie District	C	C	C	2	28	27	14	C	25	C	C	252
Waimate District	C	0	0	0	2	65	C	4	C	1	0	121
Banks Peninsula District	0	0	0	0	0	0	0	0	0	0	0	0
Region total	285	61	135	111	392	1,089	308	95	166	29	6	2,678
Otago and Southland wood supply region												
Waitaki District	C	0	C	1	C	C	C	C	C	0	C	319
Dunedin City	0	C	0	0	C	C	4	C	0	C	C	29
Queenstown-Lakes District	0	0	0	0	1	0	0	0	0	0	0	1
Central Otago District	0	0	0	0	0	3	0	0	0	0	0	3
Clutha District	C	C	C	182	C	99	C	C	C	0	0	635
Gore District	0	0	0	0	6	20	18	0	0	0	0	44
Southland District	0	C	61	32	684	164	21	C	C	C	0	1,060
Invercargill City	0	0	0	0	5	6	0	0	0	0	0	11
Region total	157	9	70	215	992	377	77	60	94	51	1	2,102
South Island total	492	139	232	476	1,678	2,091	747	284	561	106	8	6,813
New Zealand total	28,004	18,707	11,765	6,725	13,192	13,579	2,654	576	846	171	44	96,262

Figure 22: Distribution of radiata pine unpruned with production thinning forest area by age class and island, as at 1 April 2024

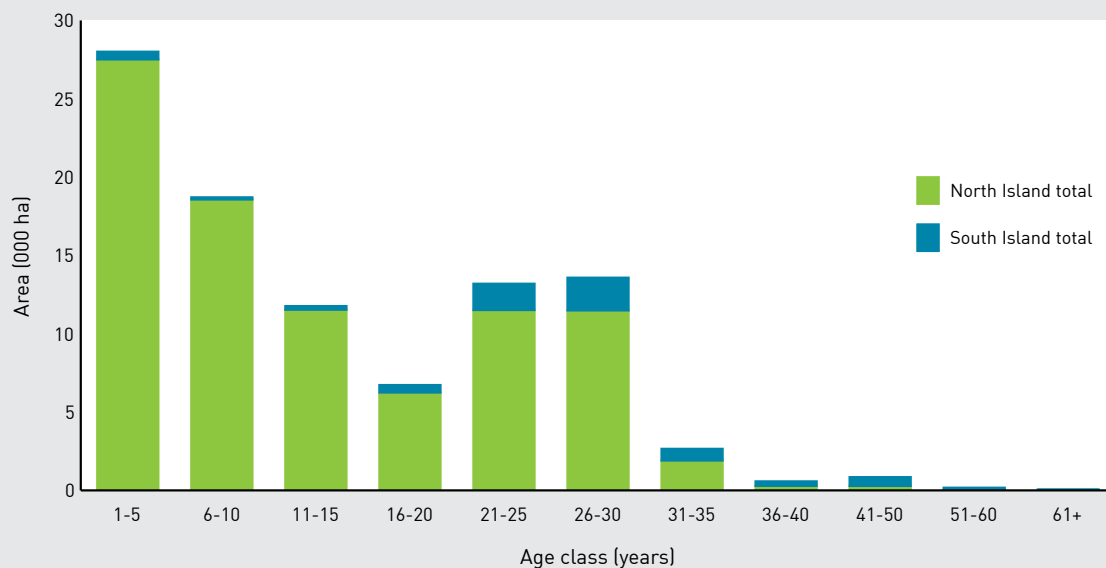




Table 19: Area planted in radiata pine pruned without production thinning by territorial authority, as at 1 April 2024

	Radiata pine pruned without production thinning											Total [ha]
	Age class [years]											
	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+ Year [ha]	
Northland wood supply region												
Far North District	C	367	995	1,487	3,253	8,289	1,269	1,216	C	C	0	17,506
Whangarei District	C	593	388	471	1,385	3,802	450	65	99	C	C	7,435
Kaipara District	C	56	177	779	1,242	3,468	217	16	47	C	C	7,198
Auckland Council	C	244	499	709	1,218	2,945	494	93	C	C	2	6,464
Region total	1,750	1,260	2,058	3,446	7,098	18,504	2,431	1,390	582	74	9	38,604
Central North Island wood supply region												
Thames-Coromandel District	504	C	C	198	72	674	C	C	78	C	0	3,138
Hauraki District	C	C	C	1	454	C	278	C	0	0	0	1,497
Waikato District	C	C	975	C	1,536	2,715	509	45	C	0	C	7,276
Matamata-Piako District	0	56	C	C	44	97	167	C	C	C	0	532
Hamilton City	0	0	0	0	0	0	0	0	0	0	0	0
Tauranga District	0	0	0	6	11	46	16	0	0	0	0	79
Western Bay of Plenty District	C	394	316	92	2,068	2,260	434	C	C	0	0	5,871
Rotorua District	C	1,068	1,567	994	3,336	3,967	526	71	C	3	C	12,050
Kawerau District	C	C	0	0	0	C	0	0	0	0	0	76
Whakatane District	44	154	2,931	1,532	3,539	6,898	545	C	24	C	C	15,754
Opotiki District	C	554	407	107	783	264	131	C	C	0	0	2,507
Waipa District	0	C	97	C	243	141	83	7	C	0	0	654
Otorohanga District	363	161	80	668	1,278	559	104	8	22	0	0	3,243
Waitomo District	1,203	C	C	621	2,988	5,239	343	C	57	0	0	10,673
Ruapehu District	1,698	73	753	C	2,354	3,661	669	C	C	0	0	10,254
South Waikato District	24	C	C	163	846	502	C	C	C	0	0	1,705
Taupo District	10,565	1,997	9,413	13,051	10,326	7,022	373	C	48	C	C	53,121
Region total	15,239	6,023	17,174	18,331	29,878	34,608	4,390	1,876	810	20	81	128,430
East Coast wood supply region												
Gisborne District	4,783	3,470	6,127	3,826	7,434	11,663	3,733	1,391	871	31	C	C
Region total	4,783	3,470	6,127	3,826	7,434	11,663	3,733	1,391	871	31	C	C
Hawke's Bay wood supply region												
Wairoa District	C	C	5,764	5,010	4,828	6,000	C	C	C	C	0	30,980
Hastings District	3,828	3,498	1,715	1,886	4,467	2,566	C	8	C	C	0	18,282
Napier City	C	C	C	0	0	0	0	0	0	0	0	11
Central Hawke's Bay District	C	C	C	556	958	1,855	9	C	0	0	0	5,787
Region total	9,452	8,541	8,004	7,452	10,252	10,421	828	48	55	6	0	55,060
Southern North Island wood supply region												
New Plymouth District	0	26	131	96	500	654	54	39	26	0	0	1,526
Stratford District	41	C	C	70	104	1,654	117	53	C	0	0	2,228
South Taranaki District	124	56	26	100	380	2,075	488	66	135	0	0	3,450
Whanganui District	C	823	567	1,070	1,521	4,623	1,371	C	C	C	C	10,508
Rangitikei District	346	156	130	166	1,444	4,271	263	37	114	2	0	6,929
Manawatu District	0	C	C	64	283	928	195	56	111	C	0	1,758
Kapiti Coast District	C	73	C	C	168	C	C	C	40	0	0	1,279
Upper Hutt City	0	0	C	91	C	441	52	14	C	0	C	875
Porirua City	0	0	C	C	C	75	233	0	C	C	C	426
Wellington City	0	0	0	0	8	C	C	C	0	0	0	308
Lower Hutt City	0	0	0	0	C	26	0	0	C	0	C	81
Palmerston North City	0	C	C	1	2	149	128	5	C	0	0	728
Tararua District	205	169	1,603	C	348	1,121	866	140	189	C	C	5,171
Masterton District	2,990	2,097	2,183	1,790	3,677	8,063	1,863	969	C	C	C	23,865
Horowhenua District	0	C	C	81	105	246	269	52	34	C	0	1,088
Carterton District	C	1,259	C	C	2,363	1,250	210	75	133	0	0	7,066
South Wairarapa District	C	14	447	196	747	1,638	290	C	27	C	0	3,451
Region total	4,158	5,182	6,755	4,843	11,932	27,973	6,660	1,838	1,264	63	70	70,738
North Island total	35,383	24,476	40,118	37,897	66,594	103,169	18,042	6,544	3,582	194	165	336,165

	Radiata pine pruned without production thinning											
	Age class (years)											
	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+ Year (ha)	Total (ha)
Nelson and Marlborough wood supply region												
Nelson City	0	C	C	C	C	314	74	10	C	C	0	590
Tasman District	136	765	378	392	2,946	5,084	1,074	147	193	13	0	11,128
Marlborough District	341	1,953	C	C	3,124	9,891	2,750	967	585	C	0	22,534
Kaikoura District	0	C	C	C	C	584	29	0	C	0	0	850
Region total	476	2,842	1,190	2,533	6,216	15,873	3,928	1,124	832	87	0	35,102
West Coast wood supply region												
Buller District	0	0	C	C	C	406	C	12	C	C	C	615
Grey District	0	0	C	C	C	799	107	34	C	C	C	3,243
Westland District	0	0	0	243	816	581	C	55	C	C	0	1,780
Region total	0	0	36	867	2,261	1,786	231	101	250	102	4	5,638
Canterbury wood supply region												
Hurunui District	C	C	219	302	950	2,112	378	321	174	C	0	4,670
Waimakariri District	0	C	292	C	201	481	265	C	6	0	0	1,613
Christchurch City	C	C	C	102	337	1,945	426	239	134	7	1	3,365
Selwyn District	0	C	0	C	143	598	59	C	7	0	0	884
Ashburton District	C	C	C	43	52	229	55	5	3	0	0	506
Timaru District	C	C	109	330	282	812	C	227	10	0	0	2,185
Mackenzie District	C	C	0	40	148	770	28	29	45	C	0	1,162
Waimate District	C	C	142	232	364	2,115	C	47	24	0	0	3,283
Banks Peninsula District	0	0	0	0	0	0	0	0	0	0	0	0
Region total	220	808	842	1,303	2,477	9,062	1,596	938	403	19	1	17,668
Otago and Southland wood supply region												
Waitaki District	354	877	824	452	2,847	2,866	217	322	75	34	5	8,873
Dunedin City	832	1,407	280	581	740	1,381	706	130	37	10	0	6,104
Queenstown-Lakes District	0	0	0	0	0	6	4	14	2	3	1	30
Central Otago District	C	C	C	11	127	578	65	C	C	C	0	986
Clutha District	C	2,777	1,662	C	7,040	9,611	2,044	191	281	210	C	33,964
Gore District	C	0	0	C	288	198	82	10	0	1	C	601
Southland District	673	1,658	2,883	2,130	3,634	5,433	1,122	59	240	12	0	17,845
Invercargill City	C	C	C	20	78	70	40	C	C	C	0	673
Region total	8,794	6,999	5,775	6,277	14,754	20,143	4,280	858	740	274	182	69,076
South Island total	9,490	10,649	7,842	10,980	25,709	46,864	10,035	3,021	2,225	482	187	127,485
New Zealand total	44,873	35,125	47,960	48,877	92,303	150,034	28,077	9,565	5,807	676	352	463,649

Figure 23: Distribution of radiata pine pruned without production thinning forest area by age class and island, as at 1 April 2024

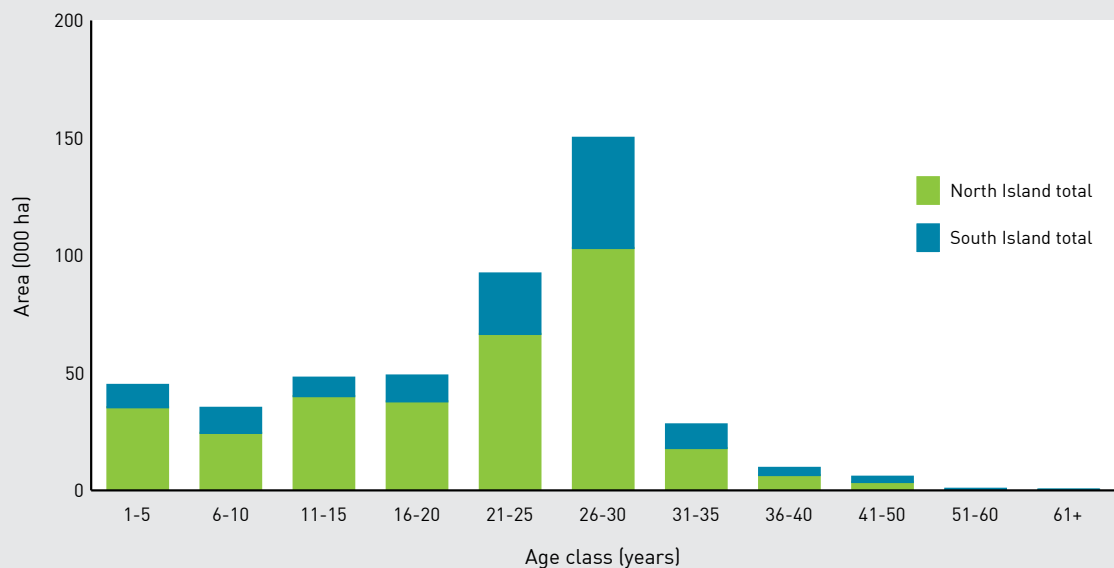
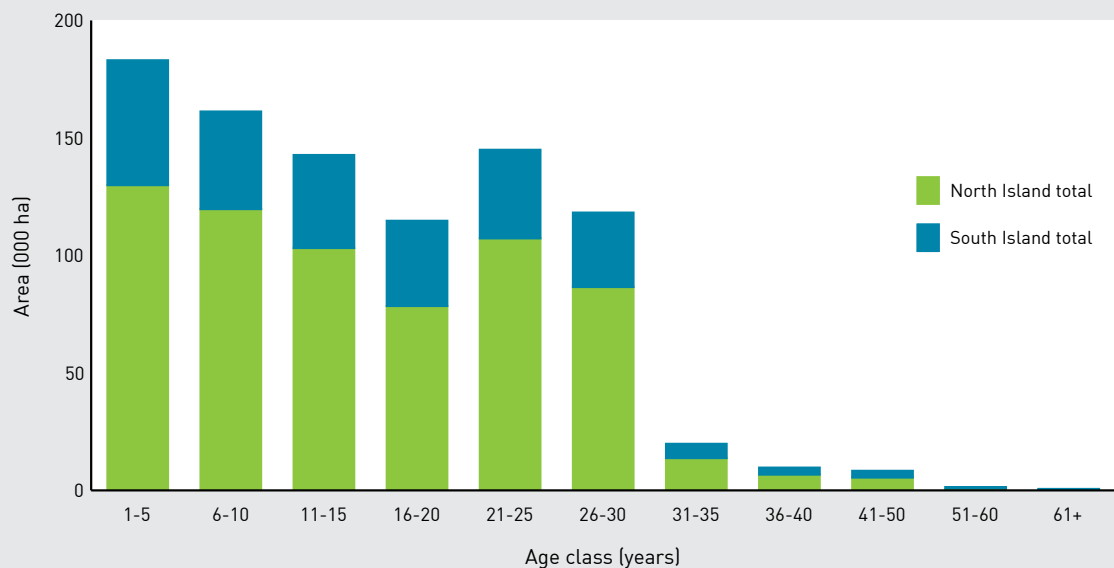


Table 20: Area planted in radiata pine unpruned without production thinning by territorial authority, as at 1 April 2024

	Radiata pine unpruned without production thinning											Total [ha]
	Age class [years]											
	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+ Year [ha]	
Northland wood supply region												
Far North District	15,785	12,458	12,682	5,289	5,213	3,878	C	C	439	69	C	57,261
Whangarei District	5,144	5,878	4,541	2,192	2,745	1,390	498	233	113	15	0	22,748
Kaipara District	12,072	8,046	3,727	2,179	2,244	2,597	C	C	84	11	C	32,171
Auckland Council	3,565	2,547	3,336	3,719	7,868	3,585	367	189	257	19	10	25,463
Region total	36,567	28,929	24,286	13,379	18,069	11,450	2,705	1,237	893	114	15	137,644
Central North Island wood supply region												
Thames-Coromandel District	1,658	2,787	4,394	4,272	3,394	1,856	298	219	C	C	C	19,086
Hauraki District	230	C	C	C	215	C	41	C	11	C	0	1,374
Waikato District	3,199	1,204	852	723	1,600	1,793	377	75	68	16	8	9,916
Matamata-Piako District	359	C	C	264	27	C	62	10	67	0	0	968
Hamilton City	0	0	0	0	0	0	0	0	0	0	0	0
Tauranga District	0	0	0	0	0	0	0	0	0	0	0	0
Western Bay of Plenty District	3,350	3,349	2,159	1,850	C	739	C	47	57	C	0	14,061
Rotorua District	5,249	4,976	5,051	6,947	7,080	1,206	204	39	C	C	C	30,816
Kawerau District	C	0	0	C	C	0	0	0	0	0	0	417
Whakatane District	10,390	14,051	16,973	10,728	13,923	4,852	165	35	C	C	C	71,204
Opotiki District	1,366	C	C	C	937	596	562	976	22	0	0	11,528
Waipa District	C	C	C	C	C	117	82	2	5	0	2	590
Otorohanga District	1,147	C	C	C	638	976	143	72	8	0	0	3,189
Waitomo District	1,602	603	1,752	C	1,742	2,058	C	163	C	0	0	11,303
Ruapehu District	8,742	6,308	4,289	1,306	3,281	C	609	C	248	C	0	32,816
South Waikato District	9,133	C	C	C	C	C	C	16	C	C	C	54,897
Taupo District	6,477	26,415	15,222	8,580	14,734	8,927	731	94	85	30	34	81,329
Region total	53,534	70,804	60,179	49,181	63,694	38,406	3,935	2,575	900	118	166	343,492
East Coast wood supply region												
Gisborne District	11,106	9,936	8,670	5,167	9,481	12,802	2,343	1,083	1,690	C	C	C
Region total	11,106	9,936	8,670	5,167	9,481	12,802	2,343	1,083	1,690	C	C	C
Hawke's Bay wood supply region												
Wairoa District	3,734	C	1,899	C	1,890	3,766	C	C	C	C	0	15,333
Hastings District	4,946	2,641	3,215	4,786	4,760	3,702	C	C	14	C	0	24,516
Napier City	C	C	C	0	C	C	C	0	0	0	0	48
Central Hawke's Bay District	C	C	C	C	C	C	C	0	C	0	0	3,301
Region total	9,248	4,409	5,254	6,518	6,978	9,280	1,318	103	42	47	0	43,198
Southern North Island wood supply region												
New Plymouth District	C	C	115	82	154	334	104	C	48	5	0	918
Stratford District	C	C	C	C	195	348	111	C	10	0	0	2,582
South Taranaki District	C	C	C	99	354	420	332	188	100	23	5	2,863
Whanganui District	643	700	1,178	C	688	572	31	114	126	C	C	4,557
Rangitikei District	C	C	C	C	962	2,842	201	63	171	C	C	5,441
Manawatu District	C	C	C	94	478	C	266	82	C	19	C	2,408
Kapiti Coast District	C	C	0	25	153	C	33	C	C	0	0	332
Upper Hutt City	C	0	C	127	161	378	196	34	83	6	C	1,200
Porirua City	C	0	C	C	0	21	55	11	0	0	0	132
Wellington City	0	0	0	0	0	32	26	0	0	0	0	58
Lower Hutt City	0	0	0	0	0	28	0	6	32	0	0	66
Palmerston North City	C	10	C	C	34	113	48	20	69	0	0	1,394
Tararua District	4,488	1,856	470	768	1,301	3,316	301	253	424	31	13	13,221
Masterton District	7,263	1,298	552	495	1,052	2,305	916	484	342	182	25	14,912
Horowhenua District	283	287	429	712	309	550	197	100	112	0	7	2,986
Carterton District	C	C	C	C	2,690	2,110	316	C	86	65	0	6,866
South Wairarapa District	2,741	237	613	255	514	532	329	170	237	10	2	5,640
Region total	19,468	5,646	4,785	4,247	9,045	14,633	3,462	1,731	1,950	498	112	65,575
North Island total	129,923	119,723	103,174	78,491	107,267	86,571	13,763	6,730	5,475	839	307	652,263

	Radiata pine unpruned without production thinning											Total [ha]
	Age class (years)											
	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+ Year [ha]	
Nelson and Marlborough wood supply region												
Nelson City	1,195	604	1,814	1,639	1,405	746	C	43	C	C	0	7,528
Tasman District	12,388	8,097	12,426	13,712	11,178	5,630	907	308	446	148	18	65,258
Marlborough District	8,146	12,316	9,058	5,490	5,077	7,828	831	854	473	94	28	50,193
Kaikoura District	1,064	0	0	0	42	27	C	14	C	C	2	1,166
Region total	22,792	21,017	23,298	20,842	17,701	14,231	1,773	1,219	978	248	48	124,145
West Coast wood supply region												
Buller District	C	C	C	C	C	37	26	C	C	C	0	2,514
Grey District	2,076	C	C	C	C	C	5	C	62	84	0	7,775
Westland District	C	C	C	C	120	C	9	0	C	C	0	5,602
Region total	5,135	3,236	2,737	2,987	664	437	40	30	520	105	0	15,891
Canterbury wood supply region												
Hurunui District	2,782	C	C	2,646	4,155	3,112	735	139	119	C	14	17,991
Waimakariri District	272	C	C	547	1,120	1,573	437	42	47	C	C	4,543
Christchurch City	474	618	321	208	179	628	251	79	139	5	23	2,924
Selwyn District	C	C	C	275	569	1,139	374	177	150	19	0	5,915
Ashburton District	C	C	C	230	115	230	6	48	1	8	21	1,367
Timaru District	C	C	C	101	169	770	253	117	8	11	0	2,659
Mackenzie District	112	54	18	33	67	194	48	2	24	49	2	603
Waimate District	C	C	C	482	225	694	175	84	47	C	C	3,947
Banks Peninsula District	0	0	0	0	0	0	0	0	0	0	0	0
Region total	6,558	5,874	4,307	4,522	6,598	8,340	2,279	688	535	117	132	39,950
Otago and Southland wood supply region												
Waitaki District	3,473	3,063	734	C	895	C	380	30	67	C	24	9,837
Dunedin City	C	1,657	C	253	100	568	259	30	70	0	C	7,902
Queenstown-Lakes District	0	0	0	0	31	25	20	6	13	1	26	122
Central Otago District	C	C	C	2	98	285	71	43	40	8	16	958
Clutha District	6,635	2,484	3,172	4,553	5,765	2,831	529	250	170	17	13	26,419
Gore District	C	0	C	24	283	268	260	22	40	20	C	988
Southland District	6,310	4,125	2,065	2,693	5,530	3,797	390	617	400	31	16	25,974
Invercargill City	C	C	C	C	2	C	35	9	2	C	0	144
Region total	18,617	11,369	9,198	7,880	12,704	8,627	1,944	1,008	802	87	109	72,344
South Island total	53,102	41,495	39,539	36,231	37,667	31,635	6,036	2,945	2,835	557	289	252,331
New Zealand total	183,025	161,218	142,714	114,722	144,934	118,206	19,799	9,675	8,310	1,396	596	904,594

Figure 24: Distribution of radiata pine unpruned without production thinning forest area by age class and island, as at 1 April 2024



# Appendix 1: Glossary

**Afforestation:** 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.

**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 2024 if it was planted in the preceding 12-month period, that is, between 1 April 2023 and 31 March 2024.

**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 is deemed confidential and one of the contributors to the confidential number is not prepared to waive the confidentiality rules, then that number is suppressed and secondary suppression is applied to other cells in the table; see Suppression (Secondary) below.

**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, often used for grazing or animal feed, and/or has been fertilised.
- "Unimproved pasture" is land with no improved pasture species and that has not been fertilised.
- "Other woody land" is land predominantly covered in species such as bracken, gorse, mānuka, kānuka 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:** See afforestation.

**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 exotic (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.

**Recoverable volume:** The volume of a tree (in cubic metres) excluding, for example, non-recoverable volume such as stumps and the non-merchantable tops of stems and bark.

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

**Rotation number:** The first rotation is a stand 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 recoverable volume (in cubic metres) of wood contained in all live crop stems of all age classes.

**Suppression (primary):** The removal of a cell's value when it has been deemed sensitive.

**Suppression (secondary):** The suppression of other cells or marginal totals in the table so that the suppressed cell cannot be recalculated.

**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.

# Appendix 2: NEFD Steering Committee's Terms of Reference

The New Zealand Forest Owners Association (FOA), the New Zealand Farm Forestry Association (NZFFA), and the Ministry for Primary Industries (MPI) have agreed that the Steering Committee shall:

1. Review and contribute to the 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.
2. Review the annual work plan 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.
3. Monitor user satisfaction with the NEFD outputs through the use of client surveys and through direct discussion with user representatives.
4. Encourage forest owners to contribute to the NEFD survey in a timely manner.
5. Highlight areas of concern with draft numbers and suggest options for improving the quality of the data.
6. Provide feedback and sense checking on draft results.
7. Commission forecasts of future wood supply from New Zealand's planted production forests.
8. Advertise and promote the availability of NEFD reports.
9. Advocate and review new pieces of work /research by suitable bodies to improve the quality of NEFD information.
10. Providing direction, guidance and expertise.



# Appendix 3: NEFD Steering Committee

The NEFD Steering Committee currently comprises seven representatives nominated by the New Zealand Forest Owners Association, the New Zealand Farm Forestry Association, and the Ministry for Primary Industries. The current members are:

Member	Nominated By
Bert Hughes (Chairman) Forest Enterprises	New Zealand Forest Owners Association
Wido van Lijf Ministry for Primary Industries	Ministry for Primary Industries
Debbie Ward Te Uru Rākau	Ministry for Primary Industries
Rebecca Burson Te Uru Rākau	Ministry for Primary Industries
Paul Lane Ministry for Primary Industries	Ministry for Primary Industries
Joseph Brolly New Zealand Forest Owners Association	New Zealand Forest Owners Association
Leslie Dowling New Zealand Farm Forestry Association	New Zealand Farm Forestry Association
Bruce Manley School of Forestry, University of Canterbury	New Zealand Forest Owners Association

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# Appendix 5: National Exotic Forest Description Technical Report

Version 2024

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## Introduction

This document provides a detailed overview of the methodology used for the National Exotic Forest Description (NEFD). It contains information on data collection and estimation, reliability of data, yield tables and imputation of data. For the most recent NEFD report, as well as past NEFD publications and other forestry related statistics, please visit the Te Uru Rākau website: <https://www.teururakau.govt.nz/news-and-resources/open-data-and-forecasting/forestry/new-zealands-forests/>. For past copies please contact [nefd@mpi.govt.nz](mailto:nefd@mpi.govt.nz).

## Data collection

The NEFD surveys known forest owners and managers with at least 40 hectares of planted production forest. The survey runs on a two-yearly cycle, where all known foresters with at least 40 hectares of forest are surveyed one year, and only owners with 1,000 or more hectares the next (see NEFD survey cycle). Respondents either complete the survey via a postal survey or they can complete it online.

### NEFD survey cycle

Year	2022	2023	2024
Survey frame	All known foresters with 40 or more hectares of forests	Only foresters with 1,000 or more hectares of forests <sup>1</sup>	All known foresters with 40 or more hectares of forests

#### Note

1. The survey is run as a census every two years, as approximately 70 percent of respondents report no change year to year. Large owners are surveyed every year, as they own approximately 70 percent of New Zealand's forests and are more likely to engage in planting and harvesting.

In addition to the data collected in the NEFD surveys, the results from the 2004 AgriQuality (nowASUREQuality) Small Forest Grower Surveys are used in the NEFD dataset. Details on the methods used by AgriQuality are available in the Small Forest Grower Survey Report (AgriQuality NZ, 2005). Harvest Information from the Forestry Production Statistics (FPS) survey is also presented along with NEFD data. Details for the FPS can be found on Te Uru Rākau's website: <https://www.teururakau.govt.nz/news-and-resources/open-data-and-forecasting/forestry/wood-processing/>

## Comparing data collected from sources other than the NEFD

The figures released in the NEFD, and in particular, new planting estimates, differ from those produced from the Agricultural Production Survey collected by Statistics New Zealand. These surveys use different survey frames and methodologies and have different survey objectives.

The target population differs for the NEFD and the Agricultural Production Survey (APS). The APS surveys all businesses engaged in "agricultural production activity" (including livestock, cropping, horticulture, and forestry) or own land intended for agricultural activity. Detailed information on the population frame for the Agricultural Production Survey is available on the Statistics New Zealand website: <http://www.stats.govt.nz/survey-participants/a-z-of-our-surveys/agricultural-production-survey.aspx>

[stats.govt.nz/survey-participants/a-z-of-our-surveys/agricultural-production-survey.aspx](http://www.stats.govt.nz/survey-participants/a-z-of-our-surveys/agricultural-production-survey.aspx)

The forest areas released in the NEFD may also differ from those produced in the New Zealand Land Use Map 1990-2016 (LUM v008) – see: <https://environment.govt.nz/facts-and-science/science-and-data/new-zealand-land-use-map/>. 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.

Sometimes harvested areas remain unstocked for up to three years before replanting occurs. Often these areas are not recorded year-to-year because the forest owners' tenancy ends at the completion of harvest and the land is returned to the land owners. The landowner or new tenant may not report the same areas in the NEFD survey until they are replanted.

This makes it difficult to reconcile changes in forest area between years. The year-to-year change in total planting minus the areas of deforestation and harvesting reported in the NEFD is therefore not a reliable measure of the total forest area.

## Reliability of data

There are different levels of reliability associated with data from different scale forest owners.

### Reliability of data from large-scale forest owners

Large-scale forest owners (those with 1,000 hectares or more) own 70 percent of the national forest estate. There are approximately 100 forest owners with more than 1,000 hectares of forest.

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 fewer than 1,000 hectares made up 30 percent of the national forest estate in 2024. There are approximately 1,600 forest owners with between 40 hectares and 999 hectares of forest. The quality of the data provided by owners with fewer than 1,000 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.
- It 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 MPI and in recording the data in the database.
- We receive low response rates from forest owners in this category meaning the majority of their data is imputed from past responses.

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

## 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 data collection schedule

Forest ownership size (ha)	Survey frequency	Estimated data quality
1,000 ha or more	Annually	Good
40 ha to 999 ha	Every two years	Low
40 ha	Infrequently	Low

### NEFD 2024 response rates

Forest ownership by size (ha)	Survey response (%)	Area weighted survey response (%)	Area weighted return (ha)
1,000 ha or more	46	74	949,653
40 ha to 999 ha	21	3	14,275

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

- Numeric data input was limited to certain maximum and minimum values for each entry.
- Aggregated area data was checked at the territorial authority level against the 2023 NEFD area dataset to ensure variation was within acceptable limits.
- For each owner, the data provided was compared with data provided by that owner in the previous surveys.
- The completeness of returns was checked, e.g. checking whether harvesting returns included both area and volume harvested.
- Reconciling related fields, e.g. checking that the new planted and replanted area matched the year one stock total.
- A sample of survey data was checked against the original returns to identify data entry errors.

In 2015 a new NEFD system came into use. This system has data quality checks built into data entry and has significantly reduced the number of data entry errors.

Despite the best efforts of the NEFD team some data may still be incorrect. For instance, it is possible that some owners included in the dataset may change their management objectives so an area that is reported as intended to be pruned may not end up being pruned.

## Data for forests smaller than 40 hectares

Forest area data for forests smaller than 40 hectares comes from four sources, listed below in order of total area represented:

1. New planting imputations from 1992 to 2006
2. A survey of small forest growers from 2004
3. Forests previously surveyed for the NEFD but which have dropped below 40 hectares.
4. University of Canterbury School of Forestry mapping data

More detail on these sources is provided below.

## New planting imputations 1992 to 2006

Since 1992, MPI 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 planting was 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. In recent years the nursery survey has only been used to estimate the total area of planting. New planting and replanting are not now estimated directly through the survey. The methodology was reviewed in 2003 (Manley et al, 2003), and stocking rate assumptions are reassessed every two years.

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 2012 calendar years because of the very low levels of new forest planting that took place in those years. The NEFD report 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 by the new planting as collected in the postal survey.

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.

## Afforestation and deforestation intentions report

In 2020, the Nursery Survey was introduced as an alternative for the new planting data. This has now been replaced with the Afforestation and deforestation intentions report. This update provides a clearer picture of actual planting efforts, as the afforestation intentions survey more closely aligns with the planned area for new forests and better reflects the current afforestation initiatives.

## Assumptions

The inclusion of imputed new planting into the 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.

## 2004 AsureQuality small forest grower survey

In 2004 AsureQuality (then AgriQuality) used their AgriBase database of agriculture businesses to run a survey of small forest owners for MPI. The data from this survey was first included in the 2004 NEFD report, published in 2005. The original survey captured approximately 138,000 hectares of forest, including owners of forests smaller than 40 hectares and some with over 40 hectares not previously captured by the NEFD.

The data was used in aggregated form for the 2005 and 2006 reports. For 2007 onwards the under-40 hectare area was used in aggregate form, representing around 67,000 ha. Owners with 40 hectares or more were added to the core database of owners and sent surveys directly.

## Small owner estate

Owners of small forests are classified as those with less than 40 hectares of forest. If a forest drops below the 40 hectare cut-off it is no longer part of the survey frame but the data is retained.

## University of Canterbury data

As at 2023, the NEFD included 203,000 hectares of net stocked area from new planting imputations from 1992 to 2006, along with 67,000 hectares from the 2004 AgriQuality small forest grower survey. Since this data has been carried over annually without accounting for harvesting or replanting, it likely introduces inaccuracies in the total area and age-class distribution across New Zealand. Additionally, the land in these estimates may have been absorbed by larger forest operations, resulting in potential double counting of forested areas.

Mapping conducted in Hawke's Bay and East Coast between 2022 and 2023 by the University of Canterbury School of Forestry revealed that the actual area of small-scale forests in those regions is over 16,000 hectares less than what was estimated in the NEFD, an overestimate

compounded by the inability to determine whether forests included in the estimate were harvested and replanted.

To improve the quality of the NEFD data, MPI contracted the University of Canterbury to provide mapping data for the Hawke's Bay and East Coast regions for the NEFD. This data has been integrated into the 2024 NEFD report. Data from larger forestry operators has been retained, as the data is considered reliable (see Reliability of Data), while data for smaller foresters and estimates have been replaced with mapped data. As a result, detail on ownership of these smaller forests for these regions is limited. This change impacts reporting for 2024.

We are committed to continuing efforts to improve the data quality of the NEFD; the use of spatial analysis to more accurately measure New Zealand's exotic forestry estate is one way we are systematically improving the data.

## Forest mapping

The spatial extent of small-scale forests across the whole of New Zealand was consistently mapped by final-year Bachelor of Forestry Science students from 2015 to 2021. This mapping primarily relied on orthorectified aerial photos provided by Land Information New Zealand (LINZ), capturing forests exceeding 1 ha while excluding gaps larger than 0.1 ha.

The East Coast and Hawke's Bay regions, initially mapped in 2018, were updated in 2022 and 2023, respectively. More recent aerial photos were used for the updates, supplemented by Sentinel and Google Earth imagery. These updates involved reviewing the status of mapped areas (e.g. whether stands were stocked or harvested), distinguishing radiata pine from other species, mapping afforestation, and removing deforested areas. Quality control was performed to ensure the mapping met established standards.

Key mapping rules included:

- Areas had to exceed 1 ha and be wider than 30 m, though the 1 ha rule was relaxed for contiguous small blocks exceeding 1 ha collectively.
- Gaps larger than 0.1 ha were excluded from forest area polygons.
- All mapping was done at a scale of 1:4,000 or greater.

## Age Estimation

To estimate forest age for stocked stands, the national height-age model developed by van der Colff and Kimberley (2013) was applied, using LiDAR-derived 99th height percentile for Mean Top Height (MTH), and Site Index from the site productivity surface developed by Watt et al. (2021). The age of each stand was estimated, and the year of planting was calculated based on the year of LiDAR collection.

## Harvest Mapping

The annual Sentinel mosaics distributed by Ministry for Environment (MfE) were used to update for harvesting from 2016 to 2023 through an automated machine learning algorithm. The detection was manually verified to ensure that the harvested areas were accurately mapped. Harvested forest stands were also attributed with the corresponding harvest year. It is assumed that stands are

replanted the year following harvesting, so the age of the harvested stands was estimated as the harvest year plus one.

#### Tending regime estimates

In 2024, the calculation for the tending regime in the Hawke's Bay and East Coast data was based on historical trends. By analyzing past data, a consistent area ratio was identified and applied to estimate the current year's figures. This approach allowed for continuity and comparability in the data, ensuring that the 2024 estimates are aligned with previous years.

Limitations are that:

- Sentinel data used to detect harvesting are mosaics of cloud-free images collected over a 5 or 6 month period rather than a single point in time.
- The midpoint of the Sentinel mosaics is the end and start of calendar years rather than the NEFD reporting date of 1 April.
- Forest mapping will not capture recent afforestation.

## Scaling of planting and harvesting data in non-census years

In non-census years the planting and harvesting data is scaled up to estimate the values from the sub-1,000 hectare forest estate. The approach used since 2009 is as follows, using replanting as an example. The same logic is applied to all planting and harvesting variables.

1. For the previous census year, divide the total replanting by the replanting for forests 1,000 hectares and above.
2. Multiply the current year's replanting by the result of (1).

There are some key assumptions.

- The proportion of sub-1,000 hectare planting and harvesting will be similar from one year to the next.
- The previous census year was not unusual.

Scaling up is only done at the total level and the radiata pine levels. There is too much variability in the smaller species, relating to the above assumptions, to make this a reliable method.

Worked example for replanting.

- Census year total replanting – 1,000 ha
- Census year 1,000+ hectare replanting – 800 ha
- Current year total replanting – 900 ha

$$\begin{aligned}\text{Scaled replanting} &= \text{current year} * (\text{census year} \\ &\quad \text{total/census year 1,000 +}) \\ &= 900 * (1,000/800) \\ &= 900 * 1.25 \\ &= 1,125\end{aligned}$$

## Modelling of area awaiting replanting and area awaiting land-use decision

Area awaiting replanting and area awaiting land-use decision questions were omitted from the 2024 survey to reduce response burden. Regression analysis at the Territorial Authority level using data from 2011 to 2023 shows statistically significant relationships between the area awaiting replanting and clear-felled area, and between the area awaiting land-use decisions and both net stocked and new planting areas. These relationships allow us to model area awaiting replanting and area awaiting land-use decision for the harvesting section of the report.

## Yield tables

Standing volumes from the 2018 NEFD onwards have been calculated using the yield tables produced during the 2014/15 Wood Availability Forecasting project. From 2014 to 2017 the 2005 to 2009 tables were used. Prior to 2014, the yield tables from the 1995 Wood Availability Forecasting project were used.

The yield tables were produced principally using data provided in 2014 by owners with 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 the 2014/15 Wood Availability Forecasts.

The impact of moving from the 2009 to the 2014 yield tables, is a lower standing volume per hectare. This is due to more attention being paid to realised volumes, which incorporates events such as incremental wind throw and crop failure, compared to previous models.



# ANNUAL SURVEY FOR NATIONAL EXOTIC FOREST DESCRIPTION AS AT 1 APRIL 2024

Ministry for Primary Industries  
Manatū Ahu Matua



Please complete and return this questionnaire no later than **31 July 2024**

## Why is this survey important?

This survey is used to maintain a database of New Zealand's planted exotic production forests. This information is used extensively by government and the wider forestry sector for wood availability forecasting, infrastructure planning, and for developing policy which impacts the forestry sector. The survey is split into the following four sections:

**Section A** This section asks you to check your contact details.

**Section B** This section collects forest area by age data.

**Section C** This section records changes in forest area and collects information on new planting, replanting, harvesting, and land use change.

**Section D** This section asks for comments and feedback.

## Are my responses confidential?

All responses to this survey will be treated as confidential and will only be used for statistical purposes. Personal details provided by individual forest owners and managers are seen only by people directly involved with running the survey.

This information is collected under the statistical provisions of the Forests Act 1949.

For assistance please contact **NEFD SURVEY SUPPORT**

**Telephone:** 0800 008 333

**Email:** [NEFD@mpi.govt.nz](mailto:NEFD@mpi.govt.nz)

**Mail:** Survey Support, NEFD, Ministry for Primary Industries, PO Box 2526, Wellington 6140

You should receive a survey for each forest over 40HA. If you think one might be missing please let us know.

## Section A: Contact Details

Work through the questions in this section and only fill in the information you need to complete.

- A1** Please check the front cover of the survey to see if your address is correct.  
If any changes need to be made please add them below.

Contact Name	
Company Name	
Contact Address	
Phone Number	
Email Address	

- A2** Please enter the details of the forest owner you are completing this survey for. We use this information to make sure we are not double counting forests.

Forest Owner's Name	
Company Name	
Contact Address	
Phone Number	
Email Address	

- A3** Please supply the below data about your forest.

Forest Address (if you have multiple forest locations please supply each individual address)	
LINZ Parcel ID (if you have multiple forest locations please supply each individual ID)	

**A4**Tick **one** category only.

Which best describes the ownership of the majority of this forest?

☐  
☐  
☐  
☐

Privately Owned

Local Government

State Owned Enterprise

Māori Trust

☐  
☐  
☐

Registered Public Company

Central Government

Other (please specify)

---

**A5**Between **1 April 2023** and **31 March 2024**,

Have any of the following actions happened to the forest or forest land you are completing this survey for?

- Purchased
- Leased or Sold
- Handed Back
- Planting
- Harvesting
- Pruning
- Thinning
- Damage to your forest

☐

Yes



Go to

**Section B**☐

No



Go to

**A6****A6**As there have been no changes to your forest between **1 April 2023** and **31 March 2024**,

Please do the following;

1. Complete Section D and return the form to us either by email or in the envelope supplied.

## Section B: Area by Age as at 1 April 2024

In this section we get you to provide the net stock area by age data for your forests.

Please fill in questions B1-B6 for each forest separated by Territorial Authority, rotation, species, and regime. We have supplied additional copies of these questions. If you need more than the supplied copies, please make additional copies or contact us if you would like us to supply these.

**B1** Write the **Territorial Authority** (District Council) where the forest is located, in the box below:

**B2** Tick **one** category only. Which rotation is this?

- ☐ New Planting (area planted in forest for the first time)
- ☐ Replanting (area planted following harvesting of existing planted forest)

**B3** Tick **one** category only. Which species is this information for? (see glossary for species specification)

- ☐ Radiata pine → Go to **B4**
- ☐ Douglas-fir → Go to **B5**
- ☐ Cypress
- ☐ Other Softwoods
- ☐ Eucalypt
- ☐ Other Hardwoods
- Go to **B6**

**B4** Tick an answer in **each** category. What is your **Radiata pine** tending regime?

**Pruning regime**

- ☐ Pruned
- ☐ Unpruned

**Thinning Regime**

- ☐ Production Thinned
- ☐ No Production Thinning

Go to → **B6**

**B5** Tick only **one** category only. What is your **Douglas-fir** tending regime?

☐

Production Thinned

☐

No Production Thinning

**B6** Input the Net Area (HA) of the forest that has **NOT** previously been recorded.

Net Area (HA)			Net Area (HA)			Net Area (HA)		
Year Planted	Tree Age in 2024	As at 1 April 2024	Year Planted	Tree Age in 2024	As at 1 April 2024	Year Planted	Tree Age in 2024	As at 1 April 2024
2023	1		1995	29		1967	57	
2022	2		1994	30		1966	58	
2021	3		1993	31		1965	59	
2020	4		1992	32		1964	60	
2019	5		1991	33		1963	61	
2018	6		1990	34		1962	62	
2017	7		1989	35		1961	63	
2016	8		1988	36		1960	64	
2015	9		1987	37		1959	65	
2014	10		1986	38		1958	66	
2013	11		1985	39		1954	67	
2012	12		1984	40		1953	68	
2011	13		1983	41		1952	69	
2010	14		1982	42		1951	70	
2009	15		1981	43		1950	71	
2008	16		1980	44		1949	72	
2007	17		1979	45		1948	73	
2006	18		1978	46		1947	74	
2005	19		1977	47		1946	75	
2004	20		1976	48		1945	76	
2003	21		1975	49		1944	77	
2002	22		1974	50		1943	78	
2001	23		1973	51		1942	79	
2000	24		1972	52		1941	80	
1999	25		1971	53		1940 or Prior	80+	
1998	26		1970	54		Total Area		
1997	27		1969	55				
1996	28		1968	56				

## Section B: Area by Age as at 1 April 2021

In this section we get you to provide the net stock area by age data for your forests.

Please fill in questions B1-B6 for each forest separated by Territorial Authority, rotation, species, and regime. We have supplied additional copies of these questions. If you need more than the supplied copies, please make additional copies or contact us if you would like us to supply these.

**B1** Write the **Territorial Authority** (District Council) where the forest is located, in the box below:

**B2** Tick **one** category only. Which rotation is this?

- ☐ New Planting (area planted in forest for the first time)
- ☐ Replanting (area planted following harvesting of existing planted forest)

**B3** Tick **one** category only. Which species is this information for? (see glossary for species specification)

- |  |   |                   |
|--|---|-------------------|
| <input type="checkbox"/> Radiata pine    | → | Go to <b>B4</b>   |
| <input type="checkbox"/> Douglas-fir     | → | Go to <b>B5</b>   |
| <input type="checkbox"/> Cypress         | } | → Go to <b>B6</b> |
| <input type="checkbox"/> Other Softwoods |   |                   |
| <input type="checkbox"/> Eucalypt        |   |                   |
| <input type="checkbox"/> Other Hardwoods |   |                   |

**B4** Tick an answer in **each** category. What is your **Radiata pine** tending regime?

**Pruning regime**

- ☐ Pruned
- ☐ Unpruned

**Thinning Regime**

- ☐ Production Thinned
- ☐ No Production Thinning

Go to → **B6**

**B5** Tick only **one** category only. What is your **Douglas-fir** tending regime?

☐

Production Thinned

☐

No Production Thinning

**B6** Input the Net Area (HA) of the forest that has **NOT** previously been recorded.

Net Area (HA)			Net Area (HA)			Net Area (HA)		
Year Planted	Tree Age in 2024	As at 1 April 2024	Year Planted	Tree Age in 2024	As at 1 April 2024	Year Planted	Tree Age in 2024	As at 1 April 2024
2023	1		1995	29		1967	57	
2022	2		1994	30		1966	58	
2021	3		1993	31		1965	59	
2020	4		1992	32		1964	60	
2019	5		1991	33		1963	61	
2018	6		1990	34		1962	62	
2017	7		1989	35		1961	63	
2016	8		1988	36		1960	64	
2015	9		1987	37		1959	65	
2014	10		1986	38		1958	66	
2013	11		1985	39		1954	67	
2012	12		1984	40		1953	68	
2011	13		1983	41		1952	69	
2010	14		1982	42		1951	70	
2009	15		1981	43		1950	71	
2008	16		1980	44		1949	72	
2007	17		1979	45		1948	73	
2006	18		1978	46		1947	74	
2005	19		1977	47		1946	75	
2004	20		1976	48		1945	76	
2003	21		1975	49		1944	77	
2002	22		1974	50		1943	78	
2001	23		1973	51		1942	79	
2000	24		1972	52		1941	80	
1999	25		1971	53		1940 or Prior	80+	
1998	26		1970	54		Total Area		
1997	27		1969	55				
1996	28		1968	56				



## Section B: Area by Age as at 1 April 2024

In this section we get you to provide the net stock area by age data for your forests.

Please fill in questions B1-B6 for each forest separated by Territorial Authority, rotation, species, and regime. We have supplied additional copies of these questions. If you need more than the supplied copies, please make additional copies or contact us if you would like us to supply these.

**B1** Write the **Territorial Authority** (District Council) where the forest is located, in the box below:

**B2** Tick **one** category only. Which rotation is this?

- ☐ New Planting (area planted in forest for the first time)
- ☐ Replanting (area planted following harvesting of existing planted forest)

**B3** Tick **one** category only. Which species is this information for? (see glossary for species specification)

- |  |   |                   |
|--|---|-------------------|
| <input type="checkbox"/> Radiata pine    | → | Go to <b>B4</b>   |
| <input type="checkbox"/> Douglas-fir     | → | Go to <b>B5</b>   |
| <input type="checkbox"/> Cypress         | } | → Go to <b>B6</b> |
| <input type="checkbox"/> Other Softwoods |   |                   |
| <input type="checkbox"/> Eucalypt        |   |                   |
| <input type="checkbox"/> Other Hardwoods |   |                   |

**B4** Tick an answer in **each** category. What is your **Radiata pine** tending regime?

**Pruning regime**

- ☐ Pruned
- ☐ Unpruned

**Thinning Regime**

- ☐ Production Thinned
- ☐ No Production Thinning

Go to → **B6**

**B5** Tick only **one** category only. What is your **Douglas-fir** tending regime?

☐

Production Thinned

☐

No Production Thinning

**B6** Input the Net Area (HA) of the forest that has **NOT** previously been recorded.

Net Area (HA)			Net Area (HA)			Net Area (HA)		
Year Planted	Tree Age in 2024	As at 1 April 2024	Year Planted	Tree Age in 2024	As at 1 April 2024	Year Planted	Tree Age in 2024	As at 1 April 2024
2023	1		1995	29		1967	57	
2022	2		1994	30		1966	58	
2021	3		1993	31		1965	59	
2020	4		1992	32		1964	60	
2019	5		1991	33		1963	61	
2018	6		1990	34		1962	62	
2017	7		1989	35		1961	63	
2016	8		1988	36		1960	64	
2015	9		1987	37		1959	65	
2014	10		1986	38		1958	66	
2013	11		1985	39		1954	67	
2012	12		1984	40		1953	68	
2011	13		1983	41		1952	69	
2010	14		1982	42		1951	70	
2009	15		1981	43		1950	71	
2008	16		1980	44		1949	72	
2007	17		1979	45		1948	73	
2006	18		1978	46		1947	74	
2005	19		1977	47		1946	75	
2004	20		1976	48		1945	76	
2003	21		1975	49		1944	77	
2002	22		1974	50		1943	78	
2001	23		1973	51		1942	79	
2000	24		1972	52		1941	80	
1999	25		1971	53		1940 or Prior	80+	
1998	26		1970	54		Total Area		
1997	27		1969	55				
1996	28		1968	56				

## Section B: Area by Age as at 1 April 2024

In this section we get you to provide the net stock area by age data for your forests.

Please fill in questions B1-B6 for each forest separated by Territorial Authority, rotation, species, and regime. We have supplied additional copies of these questions. If you need more than the supplied copies, please make additional copies or contact us if you would like us to supply these.

**B1** Write the **Territorial Authority** (District Council) where the forest is located, in the box below:

**B2** Tick **one** category only. Which rotation is this?

- ☐ New Planting (area planted in forest for the first time)
- ☐ Replanting (area planted following harvesting of existing planted forest)

**B3** Tick **one** category only. Which species is this information for? (see glossary for species specification)

- |  |                     |
|--|---------------------|
| <input type="checkbox"/> Radiata pine    | → Go to <b>B4</b>   |
| <input type="checkbox"/> Douglas-fir     | → Go to <b>B5</b>   |
| <input type="checkbox"/> Cypress         | } → Go to <b>B6</b> |
| <input type="checkbox"/> Other Softwoods |                     |
| <input type="checkbox"/> Eucalypt        |                     |
| <input type="checkbox"/> Other Hardwoods |                     |

**B4** Tick an answer in **each** category. What is your **Radiata pine** tending regime?

**Pruning regime**

- ☐ Pruned
- ☐ Unpruned

**Thinning Regime**

- ☐ Production Thinned
- ☐ No Production Thinning

Go to → **B6**

**B5** Tick only **one** category only. What is your **Douglas-fir** tending regime?

☐ Production Thinned

☐ No Production Thinning

**B6** Input the Net Area (HA) of the forest that has **NOT** previously been recorded.

Net Area (HA)			Net Area (HA)			Net Area (HA)		
Year Planted	Tree Age in 2024	As at 1 April 2024	Year Planted	Tree Age in 2024	As at 1 April 2024	Year Planted	Tree Age in 2024	As at 1 April 2024
2023	1		1995	29		1967	57	
2022	2		1994	30		1966	58	
2021	3		1993	31		1965	59	
2020	4		1992	32		1964	60	
2019	5		1991	33		1963	61	
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2016	8		1988	36		1960	64	
2015	9		1987	37		1959	65	
2014	10		1986	38		1958	66	
2013	11		1985	39		1954	67	
2012	12		1984	40		1953	68	
2011	13		1983	41		1952	69	
2010	14		1982	42		1951	70	
2009	15		1981	43		1950	71	
2008	16		1980	44		1949	72	
2007	17		1979	45		1948	73	
2006	18		1978	46		1947	74	
2005	19		1977	47		1946	75	
2004	20		1976	48		1945	76	
2003	21		1975	49		1944	77	
2002	22		1974	50		1943	78	
2001	23		1973	51		1942	79	
2000	24		1972	52		1941	80	
1999	25		1971	53		1940 or Prior	80+	
1998	26		1970	54		Total Area		
1997	27		1969	55				
1996	28		1968	56				

## Section B: Area by Age as at 1 April 2024

In this section we get you to provide the net stock area by age data for your forests.

Please fill in questions B1-B6 for each forest separated by Territorial Authority, rotation, species, and regime. We have supplied additional copies of these questions. If you need more than the supplied copies, please make additional copies or contact us if you would like us to supply these.

**B1** Write the **Territorial Authority** (District Council) where the forest is located, in the box below:

**B2** Tick **one** category only. Which rotation is this?

- ☐ New Planting (area planted in forest for the first time)
- ☐ Replanting (area planted following harvesting of existing planted forest)

**B3** Tick **one** category only. Which species is this information for? (see glossary for species specification)

- |  |   |                   |
|--|---|-------------------|
| <input type="checkbox"/> Radiata pine    | → | Go to <b>B4</b>   |
| <input type="checkbox"/> Douglas-fir     | → | Go to <b>B5</b>   |
| <input type="checkbox"/> Cypress         | } | → Go to <b>B6</b> |
| <input type="checkbox"/> Other Softwoods |   |                   |
| <input type="checkbox"/> Eucalypt        |   |                   |
| <input type="checkbox"/> Other Hardwoods |   |                   |

**B4** Tick an answer in **each** category. What is your **Radiata pine** tending regime?

**Pruning regime**

- ☐ Pruned
- ☐ Unpruned

**Thinning Regime**

- ☐ Production Thinned
- ☐ No Production Thinning

Go to → **B6**

**B5** Tick only **one** category only. What is your **Douglas-fir** tending regime?

☐

Production Thinned

☐

No Production Thinning

**B6** Input the Net Area (HA) of the forest that has **NOT** previously been recorded.

Net Area (HA)			Net Area (HA)			Net Area (HA)		
Year Planted	Tree Age in 2024	As at 1 April 2024	Year Planted	Tree Age in 2024	As at 1 April 2024	Year Planted	Tree Age in 2024	As at 1 April 2024
2023	1		1995	29		1967	57	
2022	2		1994	30		1966	58	
2021	3		1993	31		1965	59	
2020	4		1992	32		1964	60	
2019	5		1991	33		1963	61	
2018	6		1990	34		1962	62	
2017	7		1989	35		1961	63	
2016	8		1988	36		1960	64	
2015	9		1987	37		1959	65	
2014	10		1986	38		1958	66	
2013	11		1985	39		1954	67	
2012	12		1984	40		1953	68	
2011	13		1983	41		1952	69	
2010	14		1982	42		1951	70	
2009	15		1981	43		1950	71	
2008	16		1980	44		1949	72	
2007	17		1979	45		1948	73	
2006	18		1978	46		1947	74	
2005	19		1977	47		1946	75	
2004	20		1976	48		1945	76	
2003	21		1975	49		1944	77	
2002	22		1974	50		1943	78	
2001	23		1973	51		1942	79	
2000	24		1972	52		1941	80	
1999	25		1971	53		1940 or Prior	80+	
1998	26		1970	54		Total Area		
1997	27		1969	55				
1996	28		1968	56				

## Section C: Planting and Harvesting

### Planting

You will need a **new copy** of questions **C1** to **C3** for each Territorial Authority. If you would like us to supply these for you, please contact us.

**C1** Between **1 April 2023 and 31 March 2024**,  
Was there any planting done in this forest?

☐ Yes → Go to **C2**

☐ No → Go to **C5**

**C2** Complete the table below for the first rotation as well as the second and subsequent rotations forest area, for the year ended **31 December 2023**. (see glossary for species specification)

	New planted area	Replanted area
Radiata pine	ha	ha
Douglas-fir	ha	ha
Cypress	ha	ha
Other Softwoods	ha	ha
Eucalypt	ha	ha
Other Hardwoods	ha	ha
<b>Total</b>	<b>ha</b>	<b>ha</b>

**C3** For the new planted area, what was the land previously used for?  
Take the number from the **highlighted** total box in **C2** (New planted area) and place it in the total box below, then separate it into categories of pasture and vegetation.

Improved Pasture Land that has been fertilised and contains improved pasture species	ha
Unimproved Pasture Land not fertilised, with no improved pasture species sown	ha
Woody Vegetation Land predominately covered in broken gorse, mānuka, kānuka or other woody species	ha
<b>Total</b>	<b>ha</b>

## Harvesting

You will need a copy of questions **C5** to **C7** for each Territorial Authority. If you would like us to supply these for you, please contact us.

**C4** Between **1 April 2023** and **31 March 2024**, did you carry out any harvesting?

☐ Yes → Go to **C5**

☐ No → Go to **Section D**

**C5** Write the **Territorial Authority** (District Council) where the forest is located, in the box below:

**C6** For the year ended **31 March 2024**, please give the following harvesting details:

	<b>Area clear felled</b>  include any salvage logging of windthrown or other damaged trees	<b>Clear felled volume</b>  the recovered volume of wood (inside bark) from harvesting or clear felling (see glossary for details)	<b>Average age clear felled (area-weighted)</b>  the average age of harvested stands weighted by the area of each stand (see glossary for details)	<b>Production thinning volume (recovered)</b>  the recovered volume of wood (inside bark) from thinning for commercial use (see glossary for details)
Radiata pine	ha	m3	years	m3
Douglas-fir	ha	m3	years	m3
Cypress	ha	m3	years	m3
Other Softwoods	ha	m3	years	m3
Eucalypt	ha	m3	years	m3
Other Hardwoods	ha	m3	years	m3

**C7** Write the number from the Radiata pine clear felled volume highlighted above **C6** above into the 'Total' box below. Then separate it into log grade sold.

Export logs should be included in the log grades e.g. if a pruned log is exported as an unpruned grade, please record as 'unpruned' (see glossary for definitions).

Volume (recovered) sold as 

Pruned logs		Unpruned logs		Pulp/chip logs		Total
	m3	+	m3	+	m3	= m3



## Section C: Planting and Harvesting

### Planting

You will need a **new copy** of questions **C1** to **C3** for each Territorial Authority. If you would like us to supply these for you, please contact us.

**C1** Between **1 April 2023 and 31 March 2024**,  
Was there any planting done in this forest?

☐ Yes → Go to **C2**

☐ No → Go to **C5**

**C2** Complete the table below for the first rotation as well as the second and subsequent rotations forest area, for the year ended **31 December 2023**. (see glossary for species specification)

	New planted area	Replanted area
Radiata pine	ha	ha
Douglas-fir	ha	ha
Cypress	ha	ha
Other Softwoods	ha	ha
Eucalypt	ha	ha
Other Hardwoods	ha	ha
<b>Total</b>	<b>ha</b>	<b>ha</b>

**C3** For the new planted area, what was the land previously used for?  
Take the number from the **highlighted** total box in **C2** (New planted area) and place it in the total box below, then separate it into categories of pasture and vegetation.

Improved Pasture Land that has been fertilised and contains improved pasture species	ha
Unimproved Pasture Land not fertilised, with no improved pasture species sown	ha
Woody Vegetation Land predominately covered in broken gorse, mānuka, kānuka or other woody species	ha
<b>Total</b>	<b>ha</b>

## Harvesting

You will need a copy of questions **C5** to **C7** for each Territorial Authority. If you would like us to supply these for you, please contact us.

**C4** Between **1 April 2023** and **31 March 2024**, did you carry out any harvesting?

☐

Yes



Go to

**C5**

☐

No



Go to

**Section D**

**C5** Write the **Territorial Authority** (District Council) where the forest is located, in the box below:

**C6** For the year ended **31 March 2024**, please give the following harvesting details:

	<b>Area clear felled</b>  include any salvage logging of windthrown or other damaged trees	<b>Clear felled volume</b>  the recovered volume of wood (inside bark) from harvesting or clear felling (see glossary for details)	<b>Average age clear felled (area-weighted)</b>  the average age of harvested stands weighted by the area of each stand (see glossary for details)	<b>Production thinning volume (recovered)</b>  the recovered volume of wood (inside bark) from thinning for commercial use (see glossary for details)
Radiata pine	ha	m3	years	m3
Douglas-fir	ha	m3	years	m3
Cypress	ha	m3	years	m3
Other Softwoods	ha	m3	years	m3
Eucalypt	ha	m3	years	m3
Other Hardwoods	ha	m3	years	m3

**C7** Write the number from the Radiata pine clear felled volume highlighted above **C6** above into the 'Total' box below. Then separate it into log grade sold.

Export logs should be included in the log grades e.g. if a pruned log is exported as an unpruned grade, please record as 'unpruned' (see glossary for definitions).

Volume (recovered) sold as

Pruned logs	Unpruned logs	Pulp/chip logs	Total
<input type="text"/> m3	<input type="text"/> m3	<input type="text"/> m3	<input type="text"/> m3

## Section C: Planting and Harvesting

### Planting

You will need a **new copy** of questions **C1** to **C3** for each Territorial Authority. If you would like us to supply these for you, please contact us.

**C1** Between **1 April 2023 and 31 March 2024**,  
Was there any planting done in this forest?

☐ Yes → Go to **C2**

☐ No → Go to **C5**

**C2** Complete the table below for the first rotation as well as the second and subsequent rotations forest area, for the year ended **31 December 2023**. (see glossary for species specification)

	New planted area	Replanted area
Radiata pine	ha	ha
Douglas-fir	ha	ha
Cypress	ha	ha
Other Softwoods	ha	ha
Eucalypt	ha	ha
Other Hardwoods	ha	ha
<b>Total</b>	<b>ha</b>	<b>ha</b>

**C3** For the new planted area, what was the land previously used for?  
Take the number from the **highlighted** total box in **C2** (New planted area) and place it in the total box below, then separate it into categories of pasture and vegetation.

Improved Pasture Land that has been fertilised and contains improved pasture species	ha
Unimproved Pasture Land not fertilised, with no improved pasture species sown	ha
Woody Vegetation Land predominately covered in broken gorse, mānuka, kānuka or other woody species	ha
<b>Total</b>	<b>ha</b>

## Harvesting

You will need a copy of questions **C5** to **C7** for each Territorial Authority. If you would like us to supply these for you, please contact us.

**C4** Between **1 April 2023** and **31 March 2024**, did you carry out any harvesting?

☐

Yes



Go to

**C5**

☐

No



Go to

**Section D**

**C5** Write the **Territorial Authority** (District Council) where the forest is located, in the box below:

**C6** For the year ended **31 March 2024**, please give the following harvesting details:

	<b>Area clear felled</b>  include any salvage logging of windthrown or other damaged trees	<b>Clear felled volume</b>  the recovered volume of wood (inside bark) from harvesting or clear felling (see glossary for details)	<b>Average age clear felled (area-weighted)</b>  the average age of harvested stands weighted by the area of each stand (see glossary for details)	<b>Production thinning volume (recovered)</b>  the recovered volume of wood (inside bark) from thinning for commercial use (see glossary for details)
Radiata pine	ha	m3	years	m3
Douglas-fir	ha	m3	years	m3
Cypress	ha	m3	years	m3
Other Softwoods	ha	m3	years	m3
Eucalypt	ha	m3	years	m3
Other Hardwoods	ha	m3	years	m3

**C7** Write the number from the Radiata pine clear felled volume highlighted above **C6** above into the 'Total' box below. Then separate it into log grade sold.

Export logs should be included in the log grades e.g. if a pruned log is exported as an unpruned grade, please record as 'unpruned' (see glossary for definitions).

Volume (recovered) sold as

Pruned logs	Unpruned logs	Pulp/chip logs	Total
<input type="text"/> m3	<input type="text"/> m3	<input type="text"/> m3	<input type="text"/> m3

## Section D: Contact in an emergency and feedback

### Comments and Feedback

Please write any comments that would help MPI interpret the information you have provided on the lines below, or you could email us at [NEFD@mpi.govt.nz](mailto:NEFD@mpi.govt.nz)

MPI also appreciates any feedback you have on how to improve this questionnaire.

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Please make sure you have answered **all sections** and then return all the forms you have used, including any forms sent to you as part of the questionnaire.

**Thank you** for your support.





