

# CONTENTS *(See page 339 for English summary)*

Preface .....	5
Brief contents and editors .....	6
Explanation of symbols.....	25
Tree species .....	26
Maps .....	27
Regions .....	27
Climate .....	29

\* new figure or table

## 1 FOREST RESOURCES

Text	[in Finnish]		
	Literature .....	34	
<b>Figures</b>	1.1*	Sampling design for southern Finland in the 9th national forest inventory .....	36
	1.2	Growing stock volumes according to eight national forest inventories .....	37
	1.3	Estimates of volume increment according to eight national forest inventories and total drain as five years' moving averages .....	37
	1.4	Age structure development of the forests in southern and northern Finland from the 1920s to the 1990s.....	38
	1.5*	Changes in development class structure of the forests in southern and northern Finland from 1960s to the 1990s .....	39
	1.6	Diameter increment indices in southernmost Finland, 1965–94 .....	40
<b>Tables</b>	<b>Development of forest resources from 1952 to 1990</b>		
	1.1	Land use from the 1950s to the early 1990s.....	41
	1.2	Development of forest resources from the 1950s to the early 1990s .....	42
	1.3	Quantitative development of large-sized timber from the 1950s to the early 1990s .....	43
	<b>Ownership of forestry land</b>		
	1.4	Ownership of forestry land in southern and northern Finland, 1986–94 .....	44
	1.5	Ownership of forest land and forestry land by forestry centre, 1986–96.....	45
	1.6	Number of non-industrial, private forest holdings by size class and by forestry centre, January 1, 1997.....	46
	1.7	Average size and price of traded real estate properties composed exclusively of forestry land, by province, 1994–96.....	47
	<b>Area distributions of forestry land</b>		
	1.8	Forestry land by forestry centre, 1986–96.....	48
	1.9	Distribution of forestry land into mineral soil sites and mires, and the state of drainage of mires, 1986–96 .....	49
	1.10	Forest land by tax class, 1986–96.....	50
	1.11	Nature conservation areas by forestry land class and by forestry centre, January 1, 1997.....	51
	<b>Area distributions by forest stand characteristics</b>		
	1.12	Tree-species dominance on forest land, 1986–96 .....	52
	1.13	Pure and mixed forest stands, 1986–96.....	53
	1.14	Age structure of stands, 1986–96 .....	54
	1.15	Forest stands by development class and ownership category in southern and northern Finland, 1986–94.....	55

1.16	Forest stands by development class and forestry centre, 1986–96.....	56
1.17	Establishment methods applied in seedling and young thinning stands.....	57
1.18	Silvicultural state of forest stands by ownership category in southern and northern Finland, 1986–94.....	58
1.19	Silvicultural state of forest stands by forestry centre, 1986–96 .....	59
	<b>Volume and structure of the growing stock, and volume increment</b>	
1.20	Growing stock volumes by ownership category and tree species, 1986–94 .....	60
1.21	Growing stock volumes by tree species and forestry centre, 1986–96 .....	61
1.22	Mean growing stock volume by dominant tree species, 1986–96.....	62
1.23	Mean growing stock volumes by development class and ownership category, 1986–94.....	63
1.24	Relative shares of timber assortments in the total growing stock, 1986–96 .....	64
1.25	Annual increment of the growing stock by ownership category and tree species.....	65
1.26	Annual increment of the growing stock by tree species and forestry centre.....	66
1.27	Mean growing stock volume and annual increment by ownership category in southern and northern Finland, 1986–94.....	67
1.28	Mean growing stock volume and annual increment by forestry centre.....	68
	<b>Growing stock drain</b>	
1.29	Growing stock increment and drain in 5-year periods in southern and northern Finland, 1950–96.....	69
1.30	Growing stock drain in 1996, by ownership category and forestry centre .....	70
1.31	Growing stock drain by tree species in southern and northern Finland, 1953–96 .....	71

## 2 FOREST HEALTH

Text	[in Finnish] Literature .....	75
<b>Figures</b>	2.1 Exceedances of critical loads of sulphur and nitrogen on forest soils using current modelled depositions .....	76
	2.2 The portion of ozone during the growing period in certain areas, 1989–96 .....	76
	2.3 The Index of Atmospheric Purity in 1985–86 and in 1995 .....	77
	2.4 Lead and cadmium concentrations in mosses in 1985 and 1995.....	78
	2.5 Proportion of defoliated conifers in various European countries, 1996.....	79
<b>Tables</b>	2.1 Degree of forest damage on forest land, 1986–96.....	80
	2.2 Symptoms of forest damage reducing stand quality, 1986–96.....	81
	2.3 Occurrence of damaging agents reducing stand quality, 1986–96.....	82
	2.4 Defoliation frequency distributions of sample trees on mineral soil sites, 1986–96 .....	83
	2.5 Forest fires, 1970–96.....	84

## 3 SEED AND SEEDLING PRODUCTION

Text	[in Finnish] Literature .....	87
<b>Figures</b>	3.1 Breeding zones of forest tree species .....	88
	3.2* Proportion of seed orchard seed used in nurseries, by main tree species.....	89
	3.3* Number of seedlings delivered for planting 1966–96 .....	89

<b>Tables</b>	<b>Production of genetically-improved reforestation material</b>	
3.1	Number of plustrees for forest tree breeding on January 1, 1997 .....	90
3.2	Number of seed collection stands on January 1, 1997 .....	91
3.3	Forest tree seed orchards on January 1, 1997 .....	92
3.4	Collection of seed from seed orchards, 1980–95 .....	92
	<b>Seedling production</b>	
3.5	Amounts of seed used in nurseries in 1996 .....	93
3.6	Number of seedlings delivered for planting in 1996 .....	94

#### 4 SILVICULTURAL AND FOREST IMPROVEMENT WORK

Text	[in Finnish]	
	Literature .....	98

<b>Figures</b>	4.1	Natural and artificial regeneration 1965–96. All forest ownership categories...	99
	4.2	Seeding and planting 1950–96, by forest ownership category .....	99
	4.3	Tending of seedling stands 1950–96, by forest ownership category .....	100
	4.4	Forest fertilisation 1964–96, by forest ownership category .....	100
	4.5	Forest area treated with fellings 1970–96. All forest ownership categories .....	101
	4.6	Forest drainage 1950–96 .....	101
	4.7	Construction and basic improvement of forest roads 1950–96, by forest ownership category .....	102
	4.8	Total costs of silvicultural and forest improvement work by forest ownership category 1963–96, expressed in 1996 money .....	102
	4.9	Financing of silvicultural and forest improvement works in non-industrial, private forests, 1963–96, expressed in 1996 money .....	103
	4.10	The proportions of different silvicultural and forest improvement works in the total costs 1967–96. All forest ownership categories .....	103

<b>Tables</b>	<b>Silvicultural and forest improvement work</b>	
4.1	Areas prepared for natural and artificial regeneration in 1996, by forest ownership category and forestry centre .....	104
4.2	Areas prepared for natural and artificial regeneration 1955–96, by forest ownership category .....	105
4.3	Seeding and planting in 1996, by forest ownership category and forestry centre .....	106
4.4	Seeding and planting 1955–96, by forest ownership category .....	107
4.5	Seeding and planting 1970–96, by tree species .....	108
4.6	Arable land afforested in 1996, by forest ownership category and forestry centre, and for the whole country 1970–96 .....	109
4.7	Quantities of seed and number of seedlings used in seeding and planting and supplementary planting, 1966–96 .....	110
4.8	Tending of seedling stands in 1996, by forest ownership category and forestry centre .....	111
4.9	Tending of seedling stands 1955–96, by forest ownership category .....	112
4.10	Pruning in 1996, by forest ownership category and forestry centre, and in the whole country 1983–96 .....	113
4.11	Forest fertilisation in 1996, by forest ownership category and forestry centre .....	114
4.12	Forest fertilisation 1955–96, by forest ownership category .....	115
4.13	Forest area treated with fellings in 1996, by felling treatment, forest ownership category and forestry centre .....	116
4.14	Forest area treated with fellings 1970–96, by felling treatment .....	119
4.15	Forest drainage in 1996, by forest ownership category and forestry centre .....	120

4.16	Forest drainage 1960–96, by forest ownership category .....	121
4.17	Construction and basic improvement of forest roads in 1996, by road type, by forest ownership category and forestry centre.....	122
4.18	Construction and basic improvement of forest roads 1950–96, by forest ownership category.....	123
<b>Costs of silvicultural and forest improvement work</b>		
4.19	Total costs of silvicultural and forest improvement work in 1996, by forest ownership category .....	124
4.20	Total costs of silvicultural and forest improvement work in 1996, by forest ownership category and forestry centre.....	125
4.21	Total costs of silvicultural and forest improvement work 1963–96, by forest ownership category.....	128
4.22	Financing of silvicultural and forest improvement work in 1996 in non-industrial, private forests.....	129
4.23	State loans and grants used in 1996 for silvicultural and forest improvement work in non-industrial, private forests, by type of work and forestry centre .....	130
4.24	Unit costs of silvicultural and forest improvement work in 1996, by forest ownership category and forestry centre.....	131
4.25	Unit costs of forest drainage in 1996, by forest ownership category and forestry centre .....	134
4.26	Unit costs of construction and basic improvement of forest roads in 1996, by forest ownership category and forestry centre.....	135

## 5 ROUNDWOOD MARKETS

Text	[in Finnish] Literature .....	140
<b>Figures</b>	5.1 Relative stumpage prices in private forests in 1996, by forestry centre.....	141
	5.2* Flows of commercial roundwood between forestry centres in 1994.....	142
	5.3 Stumpage prices in private forests, 1949/50–1996.....	143
	5.4 Commercial roundwood production in 1996 and 1997, by month.....	144
	5.5 Commercial roundwood production 1970–96, by forest ownership category ...	144
	5.6* Monthly stumpage prices of roundwood in 1/1986–6/1997.....	145
	5.7 Roundwood inventories of the forest industries during 1980–97 .....	145
<b>Tables</b>	<b>Roundwood marked for felling in private forests</b>	
	5.1 Roundwood marked for felling in private forests, 1975–96.....	146
	<b>Roundwood purchases in private forests</b>	
	5.2 Roundwood purchases in private forests in 1996, by forestry centre.....	147
	5.3 Monthly roundwood purchases in private forests in 1996–97 .....	148
	5.4 Roundwood purchases in private forests, by type of sale, 1986–96.....	149
	<b>Roundwood prices in private forests</b>	
	5.5 Average monthly stumpage prices in private forests, 1996–97.....	150
	5.6 Average monthly delivery prices in private forests, 1996–97.....	151
	5.7 Average stumpage and delivery prices in 1996, by forestry centre .....	152
	5.8 Average stumpage prices in private forests, 1949/50–1996/97.....	154
	5.9 Average stumpage and delivery prices in private forests, 1983–96.....	155
	<b>Roundwood production</b>	
	5.10 Commercial roundwood production, by month, 1996–97.....	156
	5.11 Commercial roundwood production, by forest ownership category and month, 1996–97 .....	157
	5.12 Commercial roundwood production in 1996, by forestry centre.....	158

5.13	Commercial roundwood production by roundwood assortment, 1981–96 .....	162
5.14	Commercial roundwood production by forest ownership category, 1955–96 ...	163
5.15	Removals in 1996, by forestry centre.....	164
5.16	Removals from private forests in 1996, by forestry centre .....	165
5.17	Removals by roundwood assortment, 1985–96.....	166
	<b>Roundwood inventories of the forest industries</b>	
5.18	Roundwood inventories of forest industries on 30 June, 1980–97 .....	167
5.19	Roundwood inventories of forest industries on 31 December, 1980–96 .....	168

## 6 HARVESTING AND TRANSPORTATION OF ROUNDWOOD

Text	[in Finnish]		
	Literature .....	170	
<b>Figures</b>	6.1	Harvesters in commercial roundwood production, 1982–96 .....	171
	6.2	Forwarders in commercial roundwood production, 1982–96 .....	171
	6.3	Degree of mechanisation in timber fellings, 1985–96.....	172
	6.4	Timber lorries in commercial roundwood transportation, 1982–96.....	172
	6.5*	Mean transportation distances of commercial roundwood from felling area 1994 .....	173
<b>Tables</b>	<b>Harvesting equipment</b>		
	6.1	Forest machines operating in commercial roundwood fellings and transportation during 1982–96.....	174
		<b>Harvesting and transportation of roundwood</b>	
	6.2	Harvesting and transportation costs of roundwood in 1995 and 1996 .....	175
	6.3	Long-distance transportation of roundwood, 1996 .....	176
	6.4	Volumes and costs in the long-distance transportation of roundwood, 1982–96.....	177
	6.5	Transportation of roundwood and forest-industry products by Finnish State Railways, 1985–96 .....	178
	6.6*	Mean transportation distances of commercial roundwood by consumption area, 1994.....	179
	6.7*	Mean transportation distances of commercial roundwood by felling area, 1994 .....	180
	6.8	Unit costs in the harvesting and transportation of roundwood, 1985–96.....	181
	6.9	Unit costs in harvesting of roundwood out of delivery sales in private forests, 1991–96 .....	181

## 7 MULTIPLE-USE FORESTRY

Text	[in Finnish]		
	Literature .....	187	
<b>Figures</b>	7.1	Proportions of nature conservation areas of national territory in some countries, 1993 .....	189
	7.2	Proportions of threatened mammals and birds of the number of known species in some countries .....	189
<b>Tables</b>	<b>Nature conservation areas</b>		
	7.1	Areas under conservation and wood production restrictions according to 8th national forest inventory.....	190
	7.2	Nature conservation areas on State land, 1.1.1997.....	191
	7.3*	Realisation of nature conservation programmes, 1.1.1997 .....	192

7.4	Nature conservation area on private land, 1.1.1997 .....	193
	<b>Threatened animals and plants</b>	
7.5	Numbers of threatened species by habitat in 1990 .....	194
	<b>Recreation</b>	
7.6	The number of nature-based recreation sites 1.9.1997, by province .....	195
7.7	Recreation on State land .....	195
	<b>Wild berries, edible mushrooms and lichen</b>	
7.8	Market supply of wild berries and edible mushrooms and collecting incomes in 1996, by region .....	196
7.9	Market supply of foremost wild berries and edible mushrooms and collecting incomes, 1977–96.....	197
7.10	Lichen exports 1980–96 and average export prices in 1996 .....	198
	<b>Hunting</b>	
7.11	Bag of game and its value, 1994/95 .....	199
7.12	Bag of game, 1980/81–1994/95 .....	200
7.13	Moose winter population and density, 1973/74–1996/97 .....	201
7.14	Estimated minimum populations of large predators and numbers shot, 1980–95.....	202
	<b>Reindeer husbandry</b>	
7.15	Reindeer husbandry, 1959/60–1995/96 .....	203
	<b>Peat production</b>	
7.16	Peat resources, by province .....	204
7.17	Peat production, consumption and exports, 1960–96.....	205

## 8 FORESTRY SECTOR'S LABOUR FORCE

Text	[in Finnish]		
	Literature .....	211	
<b>Figures</b>	8.1	Distribution of the population in 1996 according to the labour force survey.....	212
	8.2	Persons employed in forestry, 1980–96 .....	213
	8.3	Persons employed in wood-products industries, 1980–96 .....	213
	8.4	Persons employed in pulp and paper industries, 1980–96 .....	214
	8.5	Index of real earnings (workers only) 1980–96, by branch of industry .....	214
<b>Tables</b>	<b>Labour force</b>		
	8.1	Total labour force, 1970–96 .....	215
	8.2	Persons employed in forestry sector, 1980–96.....	216
	8.3	Persons employed in forestry 1980–96, by employment status .....	216
	8.4	Persons employed in forestry 1982–96, by type of work .....	217
	8.5	Working days in forestry, agriculture and in all industries, 1971–97 .....	218
	8.6	Persons employed by forest industries, 1980–96 .....	219
	8.7	Unemployed persons in forestry sector, 1980–96 .....	220
	<b>Wages and salaries</b>		
	8.8	Index of real earnings in forestry and forest industries, 1980–97 .....	221
	8.9	Average daily earnings of forest workers in 1996, by mode of payment.....	222
	8.10	Average annual earnings of forest workers, 1985–96 .....	223
	8.11	Average earnings per hour of workers in forest industries, 1970–96.....	224
	8.12*	Average annual earnings of workers in forest industries, 1987–96 .....	225
	<b>Labour disputes</b>		
	8.13	Labour disputes in forest industries, 1972–96.....	226
	<b>Occupational accidents</b>		
	8.14	Forestry sector accidents, 1976–96 .....	227

	<b>Forestry education</b>	
8.15*	Forestry education, number of students graduating annually, 1971–95.....	228
8.16*	Education for forest industries, number of students graduating annually, 1971–95 .....	229

## 9 WOOD CONSUMPTION

Text	[in Finnish]	
	Literature .....	233
<b>Figures</b>	9.1 Industrial and non-industrial roundwood consumption in Finland, 1955–1996.....	234
	9.2 Industrial roundwood consumption by branch of industry, 1955–96.....	234
<b>Tables</b>	9.1 Roundwood exports and consumption in Finland by tree species, 1970–96 .....	235
	9.2 Industrial and non-industrial roundwood consumption by tree species, 1970–96.....	236
	9.3 Roundwood exports and consumption in Finland by assortment, 1970–96.....	237
	9.4 Consumption of domestic roundwood, by forestry centre, 1996 .....	238
	9.5 Industrial wood consumption, 1996 .....	239
	9.6 Industrial wood consumption by forestry centre, 1996 .....	240
	9.7 Wood consumption by sawmilling, plywood and pulp industries, 1980–96 .....	242
	9.8* Wood consumption by wood-products industry, 1955–96.....	243
	9.9* Wood consumption by pulp industry, 1955–96 .....	244
	9.10 Estimated fuelwood consumption in dwellings and other buildings, by forestry centre .....	245
	9.11 Consumption of roundwood in industry, dwellings, and other buildings, and exports, 1955–96 .....	246
	9.12* Consumption of pine roundwood, 1955–96 .....	247
	9.13* Consumption of spruce roundwood, 1955–96.....	248
	9.14* Consumption of hardwood roundwood, 1955–96 .....	249
	9.15 Wood consumption in 5-year periods, 1920–96.....	250

## 10 FOREST INDUSTRIES

Text	[in Finnish]	
	Literature .....	253
<b>Figures</b>	10.1 Production of sawn goods and paper and paperboard, 1965–96.....	254
	10.2 Profitability of the forest industries, 1974–96.....	254
<b>Tables</b>	<b>Production</b>	
	10.1 Quarterly production of the forest industries, 1995–97.....	255
	10.2 Production of wood-products industries, 1965–96.....	256
	10.3 Production of pulp and paper industries, 1965–96.....	257
	<b>Domestic consumption</b>	
	10.4 Domestic consumption of sawn goods, 1955–96 .....	258
	10.5 Domestic consumption and recovery of paper and paperboard, 1994–96 .....	259
	<b>Investments</b>	
	10.6 Turnover, capacity utilisation rates, and investments in Finnish forest industries, 1975–96 .....	260

## 11 FOREIGN TRADE BY FOREST INDUSTRIES

Text	[in Finnish]	
	Literature .....	262
<b>Figures</b>	11.1*	Total exports of Finland, 1970–96, expressed in 1996 money..... 264
	11.2	Foreign trade in roundwood, 1965–96 .....
	11.3	Distribution of foreign trade in roundwood and forest industry products by product group, 1996..... 265
	11.4*	Proportions of roundwood and forest industry products in forest industry exports, 1970–96 .....
	11.5	Production and exports of forest industry products, 1970–96..... 266
	11.6	Unit values of forest industry products, 1970–96, expressed in 1996 money.... 267
<b>Tables</b>	11.1	Exports of roundwood, 1996 .....
	11.2	Imports of roundwood, 1996 .....
	11.3	Exports of roundwood by country, 1996..... 269
	11.4	Imports of roundwood by country, 1996..... 270
	11.5	Exports of roundwood and wood residues, 1965–96 .....
	11.6	Imports of roundwood and wood residues, 1965–96 .....
	11.7	Exports of forest industry products, 1996 .....
	11.8	Exports of forest industry products by country, 1996 .....
	11.9	Value of exports of forest industry products by country, 1996..... 275
	11.10	Distribution of foreign trade by country, 1996..... 276
	11.11	Exports of forest industry products, 1960–96 .....
	11.12	Value of exports of forest industry products, 1970–96 .....
	11.13	Value of exports of forest industry products by country, 1990–96..... 279
	11.14	Exports of forest industry products, 1970–96 .....
	11.15	Imports of forest industry products, 1996 .....
	11.16	Imports of forest industry products, 1983–96 .....

## 12 FORESTRY SECTOR IN FINLAND'S NATIONAL ECONOMY

Text	[in Finnish]	
	Literature .....	290
<b>Figures</b>	12.1	Gross stumpage earnings 1965–96 in 1996 money .....
	12.2	Share of forestry sector in gross domestic product, 1975–96..... 291
	12.3*	Labour productivity in forest industries, 1975–95 .....
<b>Tables</b>	<b>Share of the forestry sector in the gross domestic product</b>	
	12.1	Gross stumpage earnings by forest ownership category and forestry centre, 1996 .....
	12.2	Gross and net stumpage earnings by forest ownership category, 1980–96..... 294
	12.3	Value-added of forestry in basic values, 1980–96 .....
	12.4	Value-added of forest industries in basic values, 1988–96 .....
	12.5	Shares of the forestry sector and agriculture in gross domestic product, 1960–96 .....
	<b>Influence of forestry sector on the national economy</b>	
	12.6	Effects of a FIM 100 mill. increase in final demand on domestic output and on value-added at market prices in 1993, direct and indirect effects .....
	12.7	Effects of a FIM 100 mill. increase in final demand of forest industry products on domestic output in 1993, direct and indirect, by industry .....

12.8	Employment effects of a FIM 100 mill. increase in final demand in 1993, direct and indirect, employed persons .....	300
12.9	Employment effects of a FIM 100 mill. increase in final demand of forest industry products in 1993, direct and indirect, by industry .....	301
12.10	Shares of individual industrial sectors in exports of goods and services in 1993 .....	302

### 13 INTERNATIONAL FOREST STATISTICS

Text	[in Finnish] Literature .....	305
<b>Figures</b>	13.1 Roundwood production, 1961–95. Whole world .....	307
	13.2* Production of sawn goods and paper and paperboard, 1961–95. Whole world .....	307
	13.3 Ownership of forest and other wooded land (FOWL) in some countries, 1990 .....	308
	13.4 Finland's position among the leading producers and exporters of some major forest industry products, 1995 .....	309
	<b>Global forest resources</b>	
<b>Tables</b>	13.1 Basic global forest resource information, 1990 .....	310
	13.2 Basic forest resource information for different countries, 1990.....	311
	13.3 Forest resource information for exploitable forests for different countries, 1990 .....	313
	<b>Production of roundwood and forest industry products</b>	
	13.4 Roundwood production by country, 1995 .....	314
	13.5 Production of sawn goods and wood-based panels by country, 1995 .....	315
	13.6 Production of pulp, paper and paperboard by country, 1995 .....	316
	<b>Capacities of forest industries</b>	
	13.7 Wood pulp, paper and paperboard capacities and their forecasts by product ....	317
	13.8 Wood pulp, paper and paperboard capacities and their forecasted development by region.....	318
	13.9 Recycled paper in different countries, 1996.....	319
	<b>Foreign trade in roundwood and forest-industry products</b>	
	13.10 Exports of roundwood by country, 1995 .....	320
	13.11 Imports of roundwood by country, 1995 .....	321
	13.12 Exports of sawn goods and wood-based panels by country, 1995 .....	322
	13.13 Imports of sawn goods and wood-based panels by country, 1995 .....	323
	13.14 Exports of pulp, paper and paperboard by country, 1995 .....	324
	13.15 Imports of pulp, paper and paperboard by country, 1995 .....	325
	13.16 Value of foreign trade of roundwood and forest industry products by country, 1995 .....	326
	<b>International roundwood prices</b>	
	13.17 Roadside prices of roundwood in Sweden, 1979/80–1996 .....	327
	13.18 Roadside prices of roundwood in Norway, 1979/80–1995/96.....	328
	13.19 Roadside prices of roundwood in Austria, 1980–96 .....	329
	13.20 Roadside prices of roundwood in Switzerland, 1980–96.....	330
	<b>Development projects in forestry sector</b>	
	13.21 Forestry sector development projects supported by the Finnish Ministry for Foreign Affairs, 1996 .....	331
	<b>SAMMANDRAG</b> .....	333
	<b>SUMMARY</b> .....	339
	<b>INDEX</b> .....	347

## KÄYTETYT SYMBOLIT – EXPLANATION OF SYMBOLS

Toisto	"	<i>Repetition</i>
Ei mitään ilmoitettavaa	-	<i>Magnitude nil</i>
Suure pienempi kuin puolet käytetystä yksiköstä	0 0,0	<i>Magnitude less than half of unit employed</i>
Tietoa ei ole saatu	..	<i>Data not available</i>
Loogisesti mahdoton esitettäväksi	.	<i>Category not applicable</i>
Ennakoarvio	*	<i>Preliminary estimate</i>

Aikasarjan katkaiseva vaakasuora viiva osoittaa, että viivan eri puolilla olevat tiedot eivät ole täysin vertailukelpoisia.

*A horizontal line drawn across a time series indicates substantial breaks in the homogeneity of the series.*

Taulukoiden luvut on pyöristetty erikseen, minkä vuoksi summat eivät aina täsmää.

*The figures in the tables have been rounded separately and therefore the sums do not always match.*

Puumäärät on ilmaistu kuorellisina kuutiometreinä (m<sup>3</sup>), ellei toisin mainita.

*Wood quantities are expressed in cubic metres, solid volume overbark (m<sup>3</sup>), unless otherwise indicated.*

## PUULAJIT – TREE SPECIES

### Valtakunnan metsien inventoinnin puulajiryhmittely *Tree species grouping used in national forest inventory*

#### Pääpuulajit – *Main tree species*

Mänty	<i>Scots pine</i>	<i>Pinus sylvestris</i>
Kuusi	<i>Norway spruce</i>	<i>Picea abies</i>
Rauduskoivu	<i>Silver birch</i>	<i>Betula pendula</i>
Hieskoivu	<i>Downy birch</i>	<i>Betula pubescens</i>
Haapa	<i>European aspen</i>	<i>Populus tremula</i>
Harmaaleppä	<i>Grey alder</i>	<i>Alnus incana</i>
Tervaleppä	<i>Black alder</i>	<i>Alnus glutinosa</i>
Pihlaja	<i>Mountain ash</i>	<i>Sorbus aucuparia</i>
Raita	<i>Goat willow</i>	<i>Salix caprea</i>

#### Muut havupuut – *Other coniferous*

Kontortämänty <sup>1</sup>	<i>Lodgepole pine</i>	<i>Pinus contorta</i> <sup>1</sup>
Sembrämänty <sup>1</sup>	<i>Stone pine</i>	<i>Pinus sembra</i> <sup>1</sup>
Lehtikuusi <sup>1</sup>	<i>Larch</i>	<i>Larix sp.</i> <sup>1</sup>
Pihta <sup>1</sup>	<i>Siberian fir</i>	<i>Abies sibirica</i> <sup>1</sup>
Tuija <sup>1</sup>	..	<i>Thuja sp.</i> <sup>1</sup>
Kataja	<i>Common juniper</i>	<i>Juniperus communis</i>
Marjakuusi	<i>English yew</i>	<i>Taxus baccata</i>

#### Muut lehtipuut – *Other broadleaves*

Halava	<i>Bay willow</i>	<i>Salix pentandra</i>
Kynäjalava	<i>Fluttering elm</i>	<i>Ulmus laevis</i>
Vuorijalava	<i>Wych elm</i>	<i>Ulmus glabra</i>
Metsälehmus	<i>Small-leaved lime</i>	<i>Tilia cordata</i>
Poppeli	<i>Poplar</i>	<i>Populus sp.</i>
Saarni	<i>European ash</i>	<i>Fraxinus excelsior</i>
Tammi	<i>Pedunculate oak</i>	<i>Quercus robur</i>
Tuomi	<i>Bird cherry</i>	<i>Prunus padus</i>
Vaahtera	<i>Norway maple</i>	<i>Acer platanoides</i>

<sup>1</sup> Vierasperäinen  
*Exotic*