

## First Release

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# FORESTRY, 2022

The total forest land area in 2022 remained at approximately the same level as in 2021 and amounted to about 2.76 million hectares.

The total logging in both state-owned and privately-owned forests in 2022, as compared to 2021, increased by 7.2%. Expressed in the quantity of roundwood, it was an increase of about 357 thousand m<sup>3</sup>.

The total production of coniferous wood decreased by 17.0%, while the production of non-coniferous wood increased by 11.7%, as compared to the previous year.

In 2022, the production of fuel wood increased by 22.3%, or by about 474 thousand m<sup>3</sup>, while the production of industrial roundwood (wood in the rough) decreased by 4.1%, or by about 117 thousand m<sup>3</sup>, as compared to 2021.

The total damages in forestry in 2022, as compared to 2021, increased by 16.9%. Concerning individual types of damages, the highest increase was recorded for the number of damages caused by fire.

Monetary indicators concerning forestry statistics will be released on 30 June 2023 in the First Release POLJ-2023-6-2 "Economic Accounts for Forestry, 2021".

## 1 FOREST LAND AREAS

	Forest land area, ha		Indices 2022 2021
	2021	2022	
Total	2 753 429	2 763 059	100,3
Forests	2 530 865	2 544 739	100,5
Production forests	1 545 642	1 541 530	99,7
Protective forests	524 531	543 480	103,6
Special-purpose forests	460 692	459 729	99,8
Other forest land	183 008	178 965	97,8
Arid land	39 556	39 355	99,5

## 2 COMMERCIAL TIMBER PRODUCTION

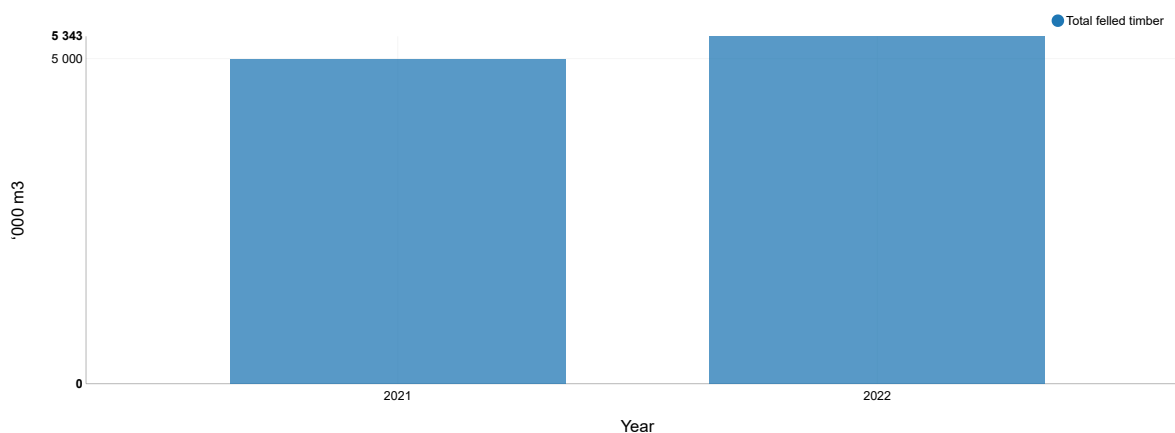
	Manufactured quantities, '000 m <sup>3</sup>		Indices 2022 2021
	2021	2022	
Roundwood	4 986	5 343	107,2
Coniferous	792	657	83,0
Non-coniferous	4 194	4 686	111,7
Fuel wood, including wood for charcoal	2 130	2 604	122,3
Coniferous	50	43	86,0
Non-coniferous	2 080	2 561	123,1
Industrial roundwood (wood in the rough)	2 856	2 739	95,9
Coniferous	742	614	82,7
Non-coniferous	2 114	2 125	100,5
Sawlogs and veneer logs	2 394	2 426	101,3
Coniferous	517	461	89,2
Non-coniferous	1 877	1 965	104,7
Pulpwood	458	310	67,7
Coniferous	222	151	68,0
Non-coniferous	236	159	67,4
Other industrial roundwood	4	3	75,0
Coniferous	3	2	66,7
Non-coniferous	1	1	100,0

## 3 DAMAGES IN FORESTRY

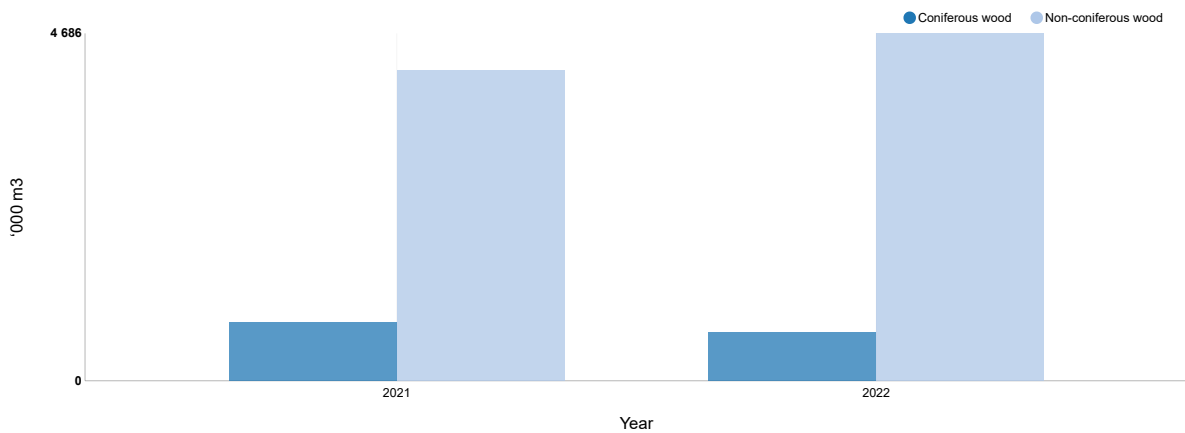
	Quantity of roundwood, '000 m <sup>3</sup>		Indices 2022 2021
	2021	2022	
Total damages	231	270	116,9
Damages caused by fire	8	140	1)
Damages caused by pests	71	45	63,4
Damages caused by weather conditions	152	85	55,9

1) The index exceeds 999.

### G-1 FELLED TIMBER, 2021 AND 2022



## G-2 FELLED TIMBER – BY TYPES OF WOOD, 2021 AND 2022



## NOTES ON METHODOLOGY

### Sources and methods of data collection

Data on forestry products and felled timber until 2013 were obtained by collection and processing of data on reporting units engaged in the forestry and timber felling activity as defined in the NKD 2007 section A Agriculture, Forestry and Fishing, division 02 Forestry and logging.

Since 2014, data related to forestry have been taken over from the Directorate for Forestry, Hunting and Wood Industry of the Ministry of Agriculture, as well as from the limited liability company Hrvatske šume as an administrative data source.

Data on production of forestry products have been harmonised since 2014 with the international *Joint Forest Sector Questionnaire* (JFSQ), which is submitted to Eurostat and other relevant institutions at the annual level.

### Coverage and comparability

Reporting units referred to in the data are forest management offices of the limited liability company Hrvatske šume and of other legal entities classified into activities defined in section A Agriculture, forestry and fishing, division 02 Forestry and logging, as well as legal entities classified into other activities but engaged in the forestry, logging and related service activities.

Data have been generated in the form of databases prepared by the limited liability company Hrvatske šume and submitted to the Croatian Bureau of Statistics in the form adjusted for further processing.

### Definitions

**Forest** is, as defined in Article 5 of the Forests Act (NN, Nos 68/18, 115/18, 98/19, 32/20 and 145/20), land overgrown with forest trees and/or its shrubby forms, shrubs and ground vegetation on an area of 0.1 ha and more, where forest products are continuously produced, socially beneficial functions are realised and there are balanced relations between biocenosis and habitat. Forests also include forests in protected areas according to a special regulation; forest seed facilities of the seed source type (if it is an integral part of the forest complex) and seed stand; monuments of park architecture originating from natural forests; protection belts of trees with a surface of 0.1 ha and more and a width of 20 m and more; forest lanes up to 5 m wide; forest roads and light lanes near roads up to 5 m wide; routes of water supply, wastewater drainage (sewerage), oil pipelines, gas pipelines, electricity and other lines up to 5 m wide within forest complex.

According to Article 22 of the Forests Act (NN, Nos 68/18, 115/18, 98/19, 32/20 and 145/20), forests are divided by purpose as follows:

- **Production forests** serve for the production of wood and non-wood forestry products, providing that their socially beneficial functions are preserved and improved.
- **Protective forests** are primarily used for the protection of soil, water, settlements, establishments and other property, providing that their socially beneficial functions are preserved and improved. Works in such forests are done only in respect to their primary function.

**Special-purpose forests** are:

- 1) protected forests
- 2) urban forests
- 3) forest seed facilities
- 4) forests for scientific research
- 5) forests for the purpose of the defence of the Republic of Croatia
- 6) forests for the purpose prescribed by special regulations.

**Other forest land** encompasses non-overgrown non-production land (lanes, light lanes near roads, power-transmission lines, oil pipelines etc.) as well as non-overgrown production land (clearings, smooth rocky grounds, reed patches etc.).

**Arid land** encompasses forest roads of more than 5 meters width, water paths, channels, swamps, harsh karst, areas under construction establishments, gravel pits, stone pits etc.

**Logs** (of non-coniferous and coniferous wood) are parts of timber intended for further processing by sawing, sometimes by cutting and peeling, as they have good physical and chemical characteristics, so they are intended to be industrially processed. It includes logs for cutting and logs for veneer and peeling.

**Industrial roundwood** (non-coniferous and coniferous) includes all kinds of wood suitable for mechanical processing, such as sawlogs and veneer logs, mining timber, transmission-line and telephone-line pylons as well as other oval timber.

**Pulpwood** is round and chopped wood of conifers, beech and soft non-coniferous wood. It is used in the production of cellulose and artificial fibres.

**Fuel wood** (of non-coniferous and coniferous wood) is intended either to be used directly as fuel or for the production of charcoal. It is a kind of wood whose worming capacity is exploited. Therefore, their level of dryness, dimensions and the way how they are arranged are very important characteristics. According to the type of wood, there is a hard fuel wood (beech wood, hornbeam wood, Turkey oak wood and oak wood) and soft fuel wood (birch wood, poplar-wood, willow wood, alder wood).

**Other industrial roundwood** (wood in the rough) includes small technical wood suitable for the production of wooden props, poles, various laths and pillars for fences, handles for various tools and similar. They are made of stump flanges, sweet chestnut, ash-tree, cornelian cherry, sweet and sour cherry etc. They are chopped in winter.

#### Abbreviations

Eurostat	Statistical Office of the European Union
ha	hectare
m <sup>3</sup>	cubic metre
NKD 2007	National Classification of Activities, 2007 version
NN	Narodne novine, official gazette of the Republic of Croatia
'000	thousand

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