

Forestry Statistics 2022

Sources: Finance and prices

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The Research Agency of the
Forestry Commission

Forest Research is the Research Agency of the Forestry Commission and is the leading UK organisation engaged in forestry and tree related research.

The Agency aims to support and enhance forestry and its role in sustainable development by providing innovative, high quality scientific research, technical support and consultancy services.

11.9 Sources: Finance and prices

Introduction

The statistics presented in the Finance and Prices chapter of this release cover:

- timber prices;
- gross value added (GVA);
- government expenditure on forestry; and
- grant schemes.

Data Sources and Methodology

Timber Price Indices: Data sources

The Coniferous Standing Sales Price Index and the Softwood Sawlog Price Index (and sub-indices) are both based on sales of softwood (conifers) by Forestry England, Forestry and Land Scotland and Natural Resources Wales; they do not include any private sector data. They only cover roundwood from woodland; they do not cover sawmill products or other end products. The Small Roundwood Price Index is also based on roundwood sales by Forestry England, Forestry and Land Scotland and Natural Resources Wales, but can include hardwood (broadleaves) as well as softwood.

The Coniferous Standing Sales Price Index (CSSPI) is based on administrative data for standing sales of conifers (softwood) by Forestry England/ Forestry and Land Scotland/ Natural Resources Wales. Around 60% of Forestry England/ Forestry and Land Scotland/ Natural Resources Wales softwood is sold standing, with the purchaser responsible for harvesting. The standing sales cover a full range of sizes, as they include thinning and removal of trees for environmental reasons, as well as harvesting of mature trees. The data used to compile the index covers volumes sold and values by average tree size.

The Softwood Sawlog Price Index (SSPI) is based on administrative data for sales of softwood sawlogs by Forestry England/ Forestry and Land Scotland/ Natural Resources Wales. The data used to compile the index covers volumes and values. Direct production by Forestry England/ Forestry and Land Scotland/ Natural Resources Wales (where the softwood is sold after harvesting) also covers a range of sizes, but the price statistics reported are limited to sales of logs (over 14 cm diameter).

The Coniferous Standing Sales Price Index, the Softwood Sawlog Price Index (and sub-indices) and the Small Roundwood Price Index include sales by long term contract, where the volume of roundwood covered by the contract is sold over a period of more than one year. To take account of changes in price over the term of the contract, price adjustments are made periodically, as part of the contract. The Coniferous Standing Sales Price Index and the Softwood Sawlog Price Index include roundwood sales by long term contract but, at present, price adjustments are not fully accounted for in the indices.

The data for the indices are obtained from Forestry England's and Forestry and Land Scotland's Sales Recording Packages (SRP). SRP was also used by Natural Resources Wales until February 2017. The indices exclude sales by Natural Resources Wales from April 2017 to March 2021 (for coniferous standing sales) and from April 2017 to September 2021 (for sales of sawlogs and small roundwood).

Further information on the data sources used are available in the Quality Assurance of Administrative Data report on timber sales data.

Methodology for Coniferous Standing Sales Price Index

The Coniferous Standing Sales Price Index (CSSPI) is an index of the average prices per cubic metre overbark standing achieved for standing sales of conifers by Forestry England/ Forestry and Land Scotland/ Natural Resources Wales. It covers all conifer standing sales (open market and negotiated) by Forestry England/ Forestry and Land Scotland/ Natural Resources Wales over the twelve month

period. All thinning and clearfell data is combined within the index. It includes all species, tree sizes, working practices and conditions. It does not include any private sector data.

The Coniferous Standing Sales Price Index (CSSPI) is calculated using a Fisher index with 5-yearly chain linking. By using a Fisher index, distortions in the average price caused by variations in the average tree size over time are corrected.

Applying chain linking at regular intervals (in this case, every 5 years) ensures that the index remains relevant over time. Other factors that may affect price (e.g. working conditions, timber quality or species) are not taken into account when constructing the index.

The methodology used to calculate the Coniferous Standing Sales Price Index was reviewed in 2008, with the Fisher index with 5-yearly chain linking introduced from the November 2008 publication. Further information on the methodology used to calculate the Coniferous Standing Sales Price Index is provided in the paper [Methodology for the Coniferous Standing Sales Price Index](#), available from the [Statistical Methodology and Outputs page](#) on the Forest Research website.

The average prices and the index are expressed in nominal terms (i.e. the actual prices at the time of sale) and in real terms (i.e. the prices converted to 2021). The GDP (Gross Domestic Product at market prices) deflator, produced by the Office for National Statistics (ONS), is applied to the nominal figures to derive real average prices and the index in real terms. The GDP deflator data can be downloaded from the [ONS Quarterly National Accounts](#).

Methodology for Softwood Sawlog Price Index

The Softwood Sawlog Price Index is calculated from data covering separate 6-month periods to September and March. This means that the changes reported are not covering the same periods as the Coniferous Standing Sales Price Index.

The index measures the average price per cubic metre overbark of sawlog sales, with no adjustment for any change in size mix, as it covers a more limited range of sizes than the Coniferous Standing Sales Price Index. All lengths of log are included.

The index is expressed in nominal terms (i.e. based on the actual prices at the time of sale) and in real terms (i.e. based on the prices converted to 2021 prices, by removing the effects of general inflation). As for the Coniferous Standing Sales Price Index, the GDP (Gross Domestic Product at market prices) deflator is used to convert from nominal to real terms.

For consistency with the Coniferous Standing Sales Price Index, the Softwood Sawlog Price Index is rebased every 5 years; in this release, the period to September 2021 = 100.

Methodology for Small Roundwood Price Index

The Small Roundwood Price Index is calculated from data covering separate 6-month periods to September and March, similar to the Softwood Sawlog Price Index. The index measures the average price per cubic metre overbark of small roundwood sales.

The index is expressed in nominal terms (i.e. based on the actual prices at the time of sale) and in real terms (i.e. based on the prices converted to 2021 prices, by removing the effects of general inflation). As for other indices, the GDP (Gross Domestic Product at market prices) deflator is used to convert from nominal to real terms.

For consistency with other indices, the Small Roundwood Price Index is rebased every 5 years; in this release, the period to September 2021 = 100.

Gross Value Added

Gross value added (GVA) measures the contribution to the economy of each individual producer, industry or sector in the United Kingdom.

Statistics on gross value added are obtained from the Annual Business Survey, formerly the Annual Business Inquiry, (Office for National Statistics), an annual survey of UK businesses. Further information on the Annual Business Survey is available on the [Annual Business Survey webpage](#).

The Annual Business Survey uses the UK Standard Industrial Classification (SIC) to classify businesses to industries according to their main activity. Detailed information on the SIC is available through the ONS' [Classification and Standards](#). For further information on the SIC codes used in this release, see section on Employment and businesses within the Sources chapter.

Government expenditure

Information about government expenditure on forestry is obtained from administrative records held by the Forestry Commission, Forestry England, Scottish Forestry, Forestry and Land Scotland, the Welsh Government and Natural Resources Wales. Expenditure by other organisations is currently excluded.

More detailed financial data are published annually in each organisation's Annual Report & Accounts.

Data on grant expenditure are obtained from administrative records for woodland grant schemes across the UK.

Quality

The Coniferous Standing Sales Price Index, the Softwood Sawlog Price Index and the Small Roundwood Price Index are the only official statistics published for

roundwood prices in the UK. So, although they are limited to sales by Forestry England, Forestry and Land Scotland, and Natural Resources Wales, they are sometimes used as indicators of price trends for other UK softwood. In recent years, softwood has accounted for more than 90% of all timber harvested in Great Britain, and Forestry England/ Forestry and Land Scotland/ Natural Resources Wales has accounted for around 40% to 50% of all softwood sold.

For the Coniferous Standing Sales Price Index, data cover a 12 month period (i.e. data for the year to March and data for the year to September). As these periods overlap, comparisons of values should be made with the same period a year earlier.

Unlike the Coniferous Standing Sales Price Index, the Softwood Sawlog Price Index and the Small Roundwood Price Index covers 6 month periods (i.e. data for the period October to March and data for the period April to September), so there is no overlapping.

Detailed information on the quality of the statistics presented in this publication is available in the [Quality Report: Timber Price Indices](#).

Revisions

Most of the statistics presented in the Finance & Prices chapter have been previously released. The latest year figures for Government expenditure on forestry are published in this format for the first time in this release.

Timber price indices are unchanged from the figures provided in "[Timber Price Indices: data to March 2022](#)".

Data on Gross Value Added (GVA) are subject to revision whenever Annual Business Survey data are revised by the Office for National Statistics. Figures for 2019 have been revised from those shown in "Forestry Statistics 2021" to reflect revisions made to ABS results by ONS.

Data on Government expenditure are not normally revised but may be subject to revision if revisions are made to the financial accounts of the Forestry Commission,

Welsh Government/ Natural Resources Wales, Scottish Forestry/ Forestry and Land Scotland or Forest Research.

[Our revisions policy](#) sets out how revisions and errors are handled.

Further information

Tables providing [longer time series of the Coniferous Standing Sales Price Index](#) and the underlying data used to produce it, are available.

Release schedule

For information on the release schedules of statistics produced by others, see relevant websites (above).

Timber Price Indices are published every six months, in May for data to end March and in November for data to end September. The next editions will be released on the following dates:

"Timber Price Indices: Data to September 2022" will be released on 17 November 2022;

"Timber Price Indices: Data to March 2023" will be released on 18 May 2022.

"Forestry Statistics 2023" and "Forestry Facts & Figures 2023" will be released on 28 September 2023.

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