An Phríomh-Oifig Staidrimh
Central Statistics Office

Standard SIMS Report:

Wood Input Purchases by Industry 2019

Single Integrated Metadata Structure (SIMS) Report

For

Wood Input Purchases by Industry

This documentation applies to the reporting period:
2019

Last edited: 10/11/2021

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2. Introduction

The Wood Input Purchases by Industry release provides annual statistics on purchases of roundwood and non-roundwood forest products from Irish forests. The release is based on data collected from the CSO's Wood Inputs Survey and contributes to meeting EU, industry and national needs on forestry statistics.

3. Contact

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4. Metadata Update

4.1. Metadata last certified

10/11/2021

4.2. Metadata last posted

12/11/2021

4.3. Metadata last update

10/11/2021

5. Statistical Presentation

5.1. Data Description

The release shows annual tonnage and volume of purchases of roundwood and non-roundwood forest products used in the manufacturing process and for energy from Irish forests. The data are broken down into species, product categories and forest ownership type.

5.2. Classification System

See section 'Statistical Concepts and Definitions'.

5.3. Sector Coverage

Sawmills and related enterprises in NACE Rev. 2 Divisions 16 and 17.

5.4. Statistical Concepts and Definitions

Species categories:
- Coniferous
- Non-coniferous

Product categories:
- Large sawlog
- Small sawlog
- Stakewood
- Pulpwood
- Roundwood for use as biomass
- Brash and tree stumps
- Woodchip
- Sawdust
- Short-rotation coppice
- Post-consumer recovered wood

Forest ownership type:
- Publicly-owned
- Privately-owned

5.5. Statistical Unit

The statistical unit for the Wood Inputs Survey is the enterprise.

5.6. Statistical Population

The CSO Business Register was the sampling frame for the Wood Inputs Survey. The target population were sawmills and related enterprises in NACE Rev. 2 Divisions 16 and 17.

5.7. Reference Area

The statistics compiled and published are at national level.

5.8. Time Coverage

2015-2019

5.9. Base period

Not applicable.

6. Unit of Measure

Purchases are provided in thousand tonnes and thousand cubic metres.

7. Reference Period

2019

8. Institutional Mandate

8.1. Legal Acts and other agreements

The Wood Inputs Survey is a statutory survey conducted under the Statistics (Wood Inputs Survey) Order 2020 (S.I. No. 650 of 2020) made under the Statistics Act, 1993.

8.2. Data Sharing

Not applicable.

9. Confidentiality

9.1. Confidentiality – policy

All information supplied to the CSO is treated as strictly confidential. The Statistics Act, 1993 sets stringent confidentiality standards: Information collected may be used only for statistical purposes, and no details that might be related to an identifiable person or business undertaking may be divulged to any other government department or body.

These national statistical confidentiality provisions are reinforced by the following EU legislation: Council Regulation (EC) No 223/2009 on European statistics for data collected for EU statistical purposes. Further details are outlined in the CSO's Code of Practice on Statistical Confidentiality.

For more information on the CSO confidentiality policy please visit:
https://www.cso.ie/en/aboutus/lgdp/csodatapolicies/statisticalconfidentiality/

9.2. Confidentiality – data treatment

Data are aggregated and published at a national level.

The Data Protection Transparency Notice for the Wood Inputs Survey is available at the following link:
https://www.cso.ie/en/methods/tn/woodinputssurvey/

10. Release Policy

10.1. Release Calendar

The date of dissemination of all statistics released by CSO can be found in the Release Calendar published in CSO.ie. This calendar is regularly updated.

10.2. Release calendar access

The release calendar can be accessed via the CSO website, www.cso.ie, or directly from this link:
https://www.cso.ie/en/csolatestnews/releasecalendar/

10.3. User access

In accordance with Principle 6 of the European Statistics Code of Practice all users of CSO statistics have equal access via the CSO website at the same time of 11 am. Any privileged pre-release access to any outside user is limited, controlled and publicised. In the event that leaks occur, pre-release arrangements are revised so as to ensure impartiality.

The CSO recognises that in very limited circumstances a business need for pre-release access may be substantiated. Any form of pre-release access is a privilege and a strict CSO pre-release access policy is adhered to for these special requests. The full pre-release access policy can be accessed at
https://www.cso.ie/en/aboutus/lgdp/csodatapolicies/csopolicyonpre-releaseaccess/

The various results are published nationally in statistical release format as well as on the CSO website (www.cso.ie).

11. Frequency of Dissemination

Annual.

12. Accessibility and clarity

12.1. News release

Not applicable.

12.2. Publications

The Wood Input Purchases by Industry 2019 release can be found in the CSO website and from this link:
https://www.cso.ie/en/releasesandpublications/er/wipi/woodinputpurchasesbyindustry2019/

12.3. On-line database

PxStat tables available from the CSO website and directly from this link:
https://data.cso.ie/table/WIP01

12.3.1. AC 1. Data tables -consultations

Not calculated. This is a new release.

12.4. Micro-data Access

Micro-data not available.

12.5. Other

No published data available for direct comparisons.

12.5.1. AC2. Metadata consultations

Not calculated. This is a new release.

12.6. Documentation on Methodology

Further documentation on the methodology used to compile this output can be accessed from the Methods page on cso.ie or directly from this link:
https://www.cso.ie/en/methods/environment/woodinputssurvey/

12.6.1. AC3 – Metadata completeness – rate

Not calculated.

12.7. Quality Documentation

Further documentation on the quality aspects of this release can be accessed from the Methods page on cso.ie or directly from this link:
https://www.cso.ie/en/methods/environment/woodinputssurvey/

13. Quality Management

13.1.Quality Assurance

Quality Management Framework
The CSO avails of an office wide Quality Management Framework (QMF). This framework allows all CSO processes and outputs to meet the required standard as set out in the European Statistics Code of Practice (ESCOP). The QMF foundations are based on establishing the UNECE's Generic Statistical Business Process Model (GSBPM) as the operating statistical production model to achieve a standardised approach to Quality Management. All and any changes implemented to CSO processes and outputs require adherence to the QMF.

13.2. Quality Assessment

Not applicable. This is a new release.

14. Relevance

The data from this release will assist in fulfilling Eurostat questionnaires on forestry statistics. It also provides information on wood flow within Ireland.

14.1.1. Main National Users

Department of Agriculture, Food and the Marine: data from the release provide statistics on the forestry sector which can assist with decision-making and policy planning.

14.1.2. Principal External Users

Eurostat: data from the release assist in fulfilling requirements of the European Forest Accounts Questionnaire and Joint Forest Sector Questionnaire.

14.2. User Satisfaction

Responses to the release will be monitored.

14.3. Data Completeness

User needs on forestry statistics vary widely. This release specifically meets user needs on wood input purchases by industry from Irish forests for 2015-2019.

14.3.1. Data Completeness rate

Not calculated.

15. Accuracy and reliability

15.1.Overall accuracy

Errors can occur if terms and concepts are misinterpreted. Hence respondents were provided with instructions and relevant definitions within the survey to maximise the accuracy of the data provided. A CSO helpdesk phone number and email were also available for queries.

15.2. Sampling Error

The CSO Business Register was the sampling frame for the Wood Inputs Survey. All enterprises identified as sawmills and related enterprises in NACE Rev. 2 Divisions 16 and 17 were selected. Additionally information from the Forest Service and from industry experts was used to ensure that all relevant enterprises were selected.

Enterprises which indicated the survey was not relevant to their business submitted nil returns or the CSO submitted a nil return on their behalf.

15.2.1. A1. Sampling error indicator

Not calculated.

15.3. Non-sampling Error

Post receipt of the questionnaire some enterprises indicated in their response that the survey was not relevant to their business therefore there was a certain degree of over coverage in the initial frame used. These enterprises will be excluded in future surveys.

It is possible that some relevant smaller enterprises may not have been included, however, this would likely have minimal impact on overall results.

15.3.1. Coverage error

The CSO Business Register is a register of all active enterprises in the State. More information on the Business Register available from this link: https://www.cso.ie/en/media/csoie/aboutus-new/dataforresearchers/Instructions_on_the_use_of_Business_Register_data_for_Researchers.pdf.

15.3.1.1. A2. Over coverage rate

Not calculated.

15.3.1.2. A3. Common units – proportion

Not applicable.

15.3.2. Measurement error

The response data file was regularly read into SAS and visually inspected for any odd data. If required, respondents were contacted for clarification.

15.3.3. Non-Response Error

Possible reasons for unit non-response include:

(a) Survey was not relevant.
(b) Failed email addresses for enterprise and therefore the survey never reached the enterprise.
(c) Company had ceased trading.
(d) Company encountered difficulties in providing the data or refused to respond.

To minimise unit non-response, several reminders were sent out following initial issue by email and phone calls. A helpdesk email and phone were also available for queries. Any enterprises for which the survey was not relevant or had ceased trading will be excluded from future surveys.

As this is a new survey, item non-response is difficult to assess. Feedback from respondents were monitored and there was no indication of issues with any particular question(s).

15.3.3.1. Unit non-response rate

The response rate was approximately 70% for the 2019 Wood Inputs Survey.

15.3.3.2. Item non-response rate

Not calculated.

15.3.4. Processing error

Prior to survey launch, the eQ system was tested to ensure that data were recorded correctly. After survey launch, the response data file was regularly read into SAS and visually inspected for any odd data. Respondents were contacted with any queries.

15.3.5. Model assumption error

Not applicable.

16. Timeliness and punctuality

16.1.Timeliness

The time between the publication of this release and the end of 2019 was 22 months.

The Wood Inputs Survey is a new survey launched by the CSO in February 2021. This new responsibility resulted in a delay in data availability. The target timeliness of future releases is 8 months.

16.1.1. TP1. Time lag – First results

Not applicable.

16.1.2. TP2. Time lag – Final results

22 months.

16.2. Punctuality

The release is published on time in accordance with the date indicated in the release calendar.

16.2.1. TP3. Punctuality – Punctuality - delivery and publication

0 days, the release was published within the timeframe indicated.

17. Comparability

17.1.Comparability – Geographical

Not applicable.

17.1.1. CC1. Asymmetry for mirror flow statistics

Not applicable.

17.2. Comparability over time

The provision of 2019 data was statutory while voluntary for 2015-2018. Hence there is a higher level of accuracy in 2019 data as more responses were received for this year. Where no data were available for 2015-2018, data from 2019 were used to make estimates.

17.2.1. Length of Comparable Time series

Not applicable.

17.3. Coherence – cross domain

Statistics from the release broadly corresponds with those for forest wood removals (see https://www.cso.ie/en/statistics/environmentstatistics/forestwoodremovals/).

17.3.1. Coherence – Sub annual and annual statistics

Not applicable.

17.3.2. Coherence with National Accounts

Not applicable.

17.4. Coherence – internal

Outputs within the release were checked for and indicated internal consistency.

18. Cost and Burden

Estimates of Cost and Burden can be obtained from the Response Burden Barometer https://www.cso.ie/en/statistics/multisectoral/responseburdenbarometer/

Survey specific information is available via CSO's dissemination database PxStat. https://data.cso.ie/product/RBB

To support respondents with any queries, a dedicated Wood Inputs Survey helpdesk phone number and email were available.

19. Data Revision

19.1.Data Revision Policy

Revisions refer to changes made to published statistical data when the information used in its production has been updated or corrected. This information includes all data used in compiling the statistic e.g. respondent data, administrative data, weights and factors, methodology, classifications, definitions, modifications to survey questionnaires, survey scope and data collection methods.

The data revision policy that CSO statistics adheres to can be found via the following link:
https://www.cso.ie/en/methods/quality/treatmentofrevisions/

19.2. Data Revision Practice

All data are subject to revision. The revisions will mainly arise from replacing CSO estimates with actual data or from enterprises that are not included in these results subsequently providing figures. Any revisions will be included in the next release.

19.2.1. Data Revision – Average size

Not applicable.

20. Statistical processing

20.1. Source Data

The data source for this release is the CSO's Wood Inputs Survey.

20.1.1. Population and sampling frame

The CSO Business Register was used as the sampling frame for the Wood Inputs Survey.

20.1.2. Sampling design

Sawmills and related enterprises in NACE Rev. 2 Divisions 16 and 17 with an email address were drawn from the CSO Business Register.

20.1.3. Survey size

59

20.1.4. Survey technique

The survey was conducted as an online questionnaire using the CSO eQ system.

20.2. Frequency of data collection

Annual.

20.3. Data Collection

Enterprises were contacted through an email post out with instructions to complete the survey online. Data was collected electronically through the CSO eQ system.

20.3.1. Type of Survey/Process

Online survey using the CSO eQ system.

20.3.2. Questionnaire

The Wood Inputs Survey collects information on tonnage and volume of purchases of roundwood and non-roundwood forest products from forests in Ireland.

The Wood Inputs Survey form is available at:
https://www.cso.ie/en/methods/surveyforms/woodsinputsurvey/

20.3.3. Survey Participation

The survey statutory instrument obliged enterprises in the sample to provide a return in respect of 2019. The CSO asked enterprises that submitted 2019 data to provide us with 2015 to 2018 figures on a voluntary basis.

20.3.4. Data Capture

Online survey using the CSO eQ system. Any inappropriate entries (e.g. incorrect data format) were flagged by the system and required the respondent to revise input data.

20.4. Data Validation

Statistics from the release were checked for broad correspondence with those for forest wood removals. Time series data were also evaluated for enterprises which voluntary submitted previous years' (2015-2018) data.

20.5. Data Compilation

Data at enterprise level were aggregated to national level for the release.

20.5.1. Imputation (for Non-Response or Incomplete Data Sets)

The survey statutory instrument obliged enterprises in the sample to provide a return in respect of 2019. The CSO asked enterprises that submitted 2019 data to provide us with 2015 to 2018 figures on a voluntary basis. The CSO used the 2019 returns to estimate 2015 to 2018 for enterprises that did not provide those years on a voluntary basis.

Enterprises were asked to provide figures in tonnes and cubic metres. Most enterprises provided tonnes and the larger enterprises provided cubic metres. The CSO estimated any missing data using completed data. The CSO allowed a range from 1.03 to 1.24 cubic metres per tonne. Returns below or above these ratios were corrected to the lower or upper limit.

20.5.1.1. A7. Imputation rate

Not calculated.

20.5.2. Grossing and Weighting

The returns were not weighted. The CSO made estimates for active enterprises that did not submit a return. It is possible that some relevant enterprises may not have been included in the survey sample, however, this would likely have minimal impact on overall results.

20.6. Adjustment

Not applicable.

20.6.1. Seasonal Adjustment

Not applicable.

21. Comment