

European Forest Accounts: UK 2015 data

Publication date: 1 February 2018

Coverage: United Kingdom

Geographical breakdown: None

Introduction

The European Forest Accounts (EFA) collects data on stocks and flows of woodland and timber, and economic data on forestry. The questionnaire, a replacement for the Integrated Environmental and Economic Accounting for Forestry (IEEAF), was piloted in 2015 (for the collection of 2013 data) and introduced in 2016 (for the collection of 2014 data). Statistics are collected annually by Eurostat.

UK data that is submitted to Eurostat via the EFA (and the IEEAF) is published annually at:

www.forestry.gov.uk/forestry/infd-8ekk3r

The attached tables show data for 2015. Estimates for tables B 1 (previously IEEAF table 3c) and A 2 are shown for the first time in this return. Estimates for table A 1 have been previously published by the Forestry Commission (Forestry Statistics 2017).

Notes:

The full set of tables developed by Eurostat for the EFA are listed below, although only Tables A 1, A 2 and B 1 are identified as a core reporting requirement and have been completed for the UK.

[Table A 1a - Wooded land \(physical\)](#)

[Table A 1b - Wooded land \(monetary\)](#)

[Table A 2a - Timber \(physical\)](#)

[Table A 2b - Timber \(monetary\)](#)

[Table B 1 - Economic aggregates of the forestry and logging industry](#)

[Table B 2 - Output of the forestry and logging industry by type](#)

[Table B 3a - Monetary supply and use of wood in the rough - supply](#)

[Table B 3b - Monetary supply and use of wood in the rough - use](#)

[Table C 1a - Physical supply and use of wood in the rough - supply](#)

[Table C 1b - Physical supply and use of wood in the rough - use](#)

Figures in tables have been independently rounded, so may not add to the totals shown.

Next update:

Date to be confirmed

Issued by: IFOS - Statistics, Forest Research,
231 Corstorphine Road, Edinburgh, EH12 7AT

Enquiries: Jackie Watson 0300 067 5238
statistics@forestry.gsi.gov.uk

Statistician: Sheila Ward 0300 067 5236
www.forestry.gov.uk/statistics

Table A 1 - Wooded land
(a) Area of wooded land, in 1000 ha

Reference year =

2015

Assets (stocks and flows)

Code	Description	11 Opening area (December t-1)	12 Afforestation and other increase (+)	13 Deforestation and other decrease (-)	15 Statistical re- classification (+/-)	99 Closing area (December t)
1	Forest	3,155	6		-1	3,159
1.1	Forest available for wood supply	3,155	6		-1	3,159
1.2	Forest not available for wood supply					
2	Other wooded land					
2.1	Of which available for wood supply					
3	Other land with tree cover available for wood supply *					

* Includes agro-forestry, short-rotation forestry and short-rotation coppices on agricultural land.

Data sources:

Forestry Commission, 2017. Forestry Statistics 2017.

Comments on the compilation of the table:

Data only available for forests.

Opening area is as at 31 March 2015, closing area at 31 March 2016.

All forests are considered available for wood supply. In practice, there will be a small (unquantifiable) area that is not available for wood supply.

Annual estimates of woodland loss are not available.

Statistical internal reclassification relates to changes to the woodland map, resulting from both corrections and genuine change.

Table A 1 - Wooded land (cont.)

(b) Area of wooded land, in million national currency

Reference year =

2015

Assets (stocks and flows)

Code	Description	21 Opening area (December t-1)	22 Afforestation and other increase (+)	23 Deforestation and other decrease (-)	24 Revaluation (+/-)	25 Statistical re- classification (+/-)	99 Closing area (December t)
1	Forest						
1.1	Forest available for wood supply						
1.2	Forest not available for wood supply						
2	Other wooded land						
2.1	Of which available for wood supply						
3	Other land with tree cover available for wood supply *						

* Includes agro-forestry, short-rotation forestry and short-rotation coppices on agricultural land.

Data sources:

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Comments on the compilation of the table:

Monetary account not yet available - further work required to develop.

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Table A 2 - Timber

(a) Timber on wooded land, in 1000 m3 over bark

Reference year =

2015

Asset stocks and flows

Code	Description	11 Opening stocks *1 (December t-1)	14 Net increment *2 (+)	16 Removals *3 (- Irretrievable)	17 losses *4 (-)	18 Statistical re- classification (+/-)	99 Closing stocks *1 (December t)
1	Forest	618100	20400	12275	2574		623651
1.1	Forest available for wood supply	618100	20400	12275	2574		623651
1.2	Forest not available for wood supply						
2	Other wooded land						
2.1	Of which available for wood supply						
3	Other land with tree cover available for wood supply *						

* Includes agro-forestry, short-rotation forestry and short-rotation coppices on agricultural land.

NOTES:

*1 The stock of timber includes the growing stock plus

- trees felled and still in the forest

- any major loss of live trees due to storms (windthrow) that will probably be used (retrievable); please report such major losses here:

1000 m3 over bark in the opening stock

1000 m3 over bark in the closing stock

In both cases, either the wood will be removed in the future, or it will be an irretrievable loss in a later year, when the timber becomes unusable.

*2 This is the average annual volume growth of live trees, calculated from the stock of live trees (growing stock) available at the start of the year minus the average annual mortality.

The data for the calculation usually come from the national forest inventory.

*3 The removals are reported in the annual Joint Forest Sector Questionnaire (JFSQ).

*4 Includes felling residues, all fellings from windthrow that cannot be removed from the forest, as well as timber lost through forest fires.

Data sources:

Office for National Statistics, 2016. UK Environmental Accounts, 2016.

Forestry Commission, 2017. Forestry Statistics 2017 (and supporting data).

Comments on the compilation of the table:

Data only available for forests.

Opening stocks are as at 31 March 2015, closing stocks at 31 March 2016.

All forests are considered available for wood supply. In practice, there will be a small (unquantifiable) area that is not available for wood supply.

Table A 2 - Timber (cont.)

(b) Timber on wooded land, in million national currency

Reference year =

2015

Asset (stocks and flows)

Code	Description	21 Opening stocks (December t-1)	22 Net increment (+)	23 Removals *1 (-)	24 Irretrievable losses (-)	25 Revaluation (+/-)	26 Statistical re- classification (+/-)	99 Closing stocks (December t)
1	Forest	7841	297	179	40		124	8044
1.1	Forest available for wood supply	7841	297	179	40		124	8044
1.2	Forest not available for wood supply							
2	Other wooded land							
2.1	Of which available for wood supply							
3	Other land with tree cover available for wood supply *							

* Includes agro-forestry, short-rotation forestry and short-rotation coppices on agricultural land.

Data sources:

Provisional estimates, based on:
Office for National Statistics, 2016. UK Environmental Accounts, 2016.
Forestry Commission, 2017. Forestry Statistics 2017 (and supporting data).

Comments on the compilation of the table:

Data only available for forests.
Opening stocks are as at 31 March 2015, closing stocks at 31 March 2016.
All forests are considered available for wood supply. In practice, there will be a small (unquantifiable) area that is not available for wood supply.

Table B 1 Economic aggregates of the forestry and logging industry (excluding other industries) [former Table 3c]

In million national currency

If the data do *not* allow you to report on the forestry and logging industry only, as separate from other industries, please explain this in the "Comments on the compilation of the table" below.

Reference year =

2015

Products and economic aggregates (current transactions)

Code	Description	£ million
1	Total output (at basic prices) [P.1]	1072
1.0	Of which output for own final use [P.12]	
1.1	Goods characteristic of the forestry and logging activity	847
1.1.1	Trees, tree plants and forest tree seeds	442
1.1.1.1	Live forest tree plants (02.10.11) and tree seeds (02.10.12)	29
1.1.1.2	Forest trees (02.10.30) *1	413
1.1.2	Wood in the rough (02.20.1)	400
1.1.2.1	Logs *2	341
1.1.2.2	Fuel wood (02.20.14 and 02.20.15)	59
1.1.4	Non-wood products (02.30) *3	5
1.2	Services characteristic of the forestry and logging activity *4	186
1.3	Other products from connected secondary activities in the local KAU *5	40
1.4	Other products (*)	
2	Total intermediate consumption [P.2]	650
2.1	Goods input	276
2.1.1	Trees, tree plants and forest tree seeds *6	243
2.1.2	Energy, lubricants *7	10
2.1.3	Fertilisers and soil improvers	0
2.1.4	Plant protection products and pesticides *8	23
2.2	Services input	338
2.2.1	Services characteristic of the forestry and logging activity *4	186
2.2.2	Regular maintenance and repair of equipment *9	63
2.2.3	Maintenance of buildings (*)	23
2.2.4	Financial services (FISIM) [P.119]	68
2.3	Other goods and services used as inputs (*)	35
3	Gross value added (at basic prices) [B.1g]	423
3.1	Consumption of fixed capital [P.51c]	234
3.2	Net value added (at basic prices) [B.1n]	189
3.2.1	Other taxes on production [D.29]	0
3.2.2	Other subsidies on production [D.39]	0
4	Factor income	189
4.1	Compensation of employees [D.1]	253
5	Net operating surplus [B.2n] and Mixed income [B.3n]	-64
5.1	Net property income [D.4] *10	-12
5.2	Net entrepreneurial income [B.4n]	-75
6	Gross fixed capital formation (excluding deductible VAT) [P.51g]	184
6.1	Planting of trees to provide regular income	0
6.2	Equipment and buildings	184
6.3	Other GFCF(*)	
7	Net fixed capital formation (excluding deductible VAT) [P.51n]	-50
8	Changes in inventories [P.52]	196
8.1	Work-in-progress on cultivated biological assets [AN.1221]*11	198
8.2	Other changes in inventories (*)	-2
9	Capital transfers (net) [D.9]	
10	Total labour input [L] (in 1000 AWU) *12	17
10.1	Of which self-employed (in 1000 AWU)	

NOTES:

*1 Forest tree output includes the net increment of timber in cultivated forests (02.10.30) and sales of timber from uncultivated forests. The value of forest trees is usually indicated in stumpage prices for standing timber.

- *2 Log output includes logs of coniferous wood (02.20.11), logs of non-coniferous wood, except tropical wood (02.20.12), logs of tropical wood (02.20.13) and any other wood in the rough except fuel wood.
- *3 Non-wood product output includes natural gums (02.30.1), cork (02.30.2), parts of plants, grasses, mosses and lichens suitable for ornamental purposes (02.30.3), wild-growing edible products (02.30.4) and any other wild-growing non-wood products.
- *4 Characteristic services output and input include forest trees nursery services (02.10.2), support services to forestry (02.4) and any other services provided by a local Kind of Activity Unit (KAU) belonging to the forestry industry.
- *5 Other products from connected secondary activities of the local KAUs belonging to the forestry industry are mushrooms and truffles (01.13.8), other berries, the fruits of the genus vaccinium n.e.c. (01.25.19), natural rubber (01.29.10), other wood in rough including split poles and pickets (16.10.39), wood charcoal (20.14.72), nature reserve services including wildlife preservation services (91.04.12) and any other product produced by a local KAU.
- *6 Trees and tree plants used as input include live forest tree plants (02.10.11), forest tree seeds (02.10.12) and forest trees (02.10.3) bought to produce timber. The value of forest trees is usually indicated in stumpage prices for standing timber.
- *7 Energy and lubricants used as input include electricity (35.11.10), motor spirit (gasoline) (19.20.21), natural gas, liquefied or in the gaseous state (06.20.10), lubricating petroleum oils and heavy preparations n.e.c. (19.20.29) and other similar products.
- *8 Plant protection products and pesticides used as input include: insecticides (20.20.11), fungicides (20.20.15), herbicides (20.20.12) and other similar products.
- *9 Regular maintenance and repair of equipment used as input includes repair and maintenance services of forestry machinery (33.12.21) and repair and maintenance services of motor vehicles (45.20).
- *10 Net property income includes interest [D.41], distributed income of corporations [D.42], reinvested earnings on foreign direct investment [D.43], other investment income [D.44] and rent [D.45] received, minus interest [D.41], property income and rent [D.45] paid.
- *11 This value can be approximated by the value of the net increment of timber cultivated in forests available for wood supply minus the value of the timber removed from those forests by logging, see Table A2b.
- *12 One annual work unit (AWU) corresponds to the work performed by one person occupied on a full-time basis. Full-time means the minimum hours required by the relevant national provisions governing contracts of employment. If the national provisions do not indicate the number of hours, then 1 800 hours are taken to be the minimum annual working hours, equivalent to 225 working days of eight hours each. One person cannot represent more than one AWU. This constraint holds even if the person works for more than the number of hours defining full time.

N.B.

- CPA Ver. 2.1 (2015) and NACE Rev. 2 (2008) codes are indicated in round brackets;
- ESA 2010 codes are indicated in square brackets;

(*) If other products are included, please explain:

Data sources:

"Timber Forecast Questionnaire 2017: UK forecasts" (FC, 2017);
 NFI estimates of growing stock, as reported in "Forest Resources Assessment 2015" (FC, 2014);
 "Input-output supply and use tables" (ONS, 2016);
 "UK non-financial business economy : 2015 revised results (Annual Business Survey)" (ONS, 2017);
 FC administrative and financial data (e.g. on timber sale unit prices, nursery production, non-forestry secondary activities, breakdown of intermediate consumption).

Comments on the compilation of the table:

Table B 2 - Output of the forest and logging industry by type

Output by economic type and institutional producing sector, in million national currency

Forestry and logging industry only

Reference year =

2015

Economic aggregates (current transactions)

Code	Description	31 Own final use [P.12]	32 Market	33 Non market	99 Total	41 <i>of which:</i> Households [S.14]
2	Output (at basic prices) [P.1]					

NOTES:

- ESA 2010 codes are indicated in square brackets.

Data sources:

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Comments on the compilation of the table:

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Table B 3 - Monetary supply and use of wood in the rough
(a) Supply of wood in the rough by all industries, in million national currency

Reference year =

2015

Economic aggregates (current transactions)

SUPPLY

Code	Description	51.0 Forestry and logging industry (Division 02)	51.1 Other Industries (if any)	51 Supply of products by industries	61 Imports (CIF)	62 Total supply (at basic prices)	63 Trade and transport margins	64 Taxes less subsidies on products	65 Total supply (at purchasers' prices)
1.1.3	Wood in the rough (02.20.1)								

NOTES:

- CPA Ver. 2.1 (2015) and NACE Rev. 2 (2008) codes are indicated in round brackets;
- Imports are reported at 'Cost, Insurance and Freight' (CIF) prices.

Data sources:

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Comments on the compilation of the table:

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Table B 3 - Monetary supply and use of wood in the rough (cont.)

(b) Use of wood in the rough by all industries, in million national currency

Reference year =

2015

Economic aggregates (current transactions)

USE

Code	Description	51.0 Forestry and logging industry (Division 02)	51.1 Other industries (if any)	51 Use of products by industries	71 Final Consumption	72 Capital formation	73 Exports (FOB)	74 Total use (at purchasers' prices)
1.1.3.20	Wood in the rough (02.20.1)							

(*) If products are included for other industries besides Forestry and logging (Div. 02), please explain:

NOTES:

- CPA Ver. 2.1 (2015) and NACE Rev. 2 (2008) codes are indicated in round brackets;
- Exports are reported at 'Free On Board' (FOB) prices of the exporting country.

Data sources:

Comments on the compilation of the table:

Table C 1 - Physical supply and use of wood in the rough

(a) Supply of wood in the rough by all industries, in 1000 m3 over bark

Reference year =

2015

Physical aggregates (current transactions)

SUPPLY

Code	Description	51.0 Forestry and logging industry (Division 02)	51.1 Other industries (if any)	51 Supply of products by industries	60 Imports	99 Total supply
1.1.3	Wood in the rough (02.20.1)					
1.1.3.1	Logs					
1.1.3.1.1	Coniferous wood (02.20.11)					
1.1.3.1.2	Non-coniferous wood, except tropical wood (02.20.12)					
1.1.3.1.3	Tropical wood (02.20.13)					
1.1.3.2	Fuel wood					
1.1.3.2.1	Fuel wood of coniferous wood (02.20.14)					
1.1.3.2.2	Fuel wood of non-coniferous wood (02.20.15)					

NOTES:

- CPA Ver. 2.1 (2015) and NACE Rev. 2 (2008) codes are indicated in round brackets;

Data sources:

Comments on the compilation of the table:

Table C 1 - Physical supply and use of wood in the rough (cont.)

(b) Use of wood in the rough by all industries, in 1000 m3 over bark

Reference year =

2015

Physical aggregates (current transactions)

USE

Code	Description	51.0 Forestry and logging industry (Division 02)	51.1 Other industries (if any)	51 Use of products by industries	71 Final consumption and capital formation	72 Exports	99 Total use
1.1.3.20	Wood in the rough (02.20.1)						
1.1.3.1.20	Logs						
1.1.3.1.1.20	Coniferous wood (02.20.11)						
1.1.3.1.2.20	Non-coniferous wood, except tropical wood (02.20.12)						
1.1.3.1.3.20	Tropical wood (02.20.13)						
1.1.3.2.20	Fuel wood						
1.1.3.2.20.1	Fuel wood of coniferous wood (02.20.14)						
1.1.3.2.20.2	Fuel wood of non-coniferous wood (02.20.15)						

NOTES:

- CPA Ver. 2.1 (2015) and NACE Rev. 2 (2008) codes are indicated in round brackets;

Data sources:

Comments on the compilation of the table: