

Statistical bulletin

Producer price inflation, UK: December 2019

Changes in the prices of goods bought and sold by UK manufacturers including price indices of materials and fuels purchased (input prices) and factory gate prices (output prices).



Contact:
Martina Portanti
business.prices@ons.gov.uk
+44 (0)1633 456907

Release date:
15 January 2020

Next release:
19 February 2020

Table of contents

1. [Main points](#)
2. [Things you need to know about this release](#)
3. [Producer price inflation summary](#)
4. [Annual output inflation picks up for the first time in five months](#)
5. [Annual input inflation picks up but continues to display negative growth](#)
6. [Gross and net producer price indices](#)
7. [Links to related statistics](#)
8. [Quality and methodology](#)

1 . Main points

- The headline rate of output inflation for goods leaving the factory gate was 0.9% on the year to December 2019, up from 0.5% in November 2019.
- The growth rate of prices for materials and fuels used in the manufacturing process was negative 0.1% on the year to December 2019, up from negative 1.9% in November 2019.
- Petroleum products made the largest upward contribution to the change in the annual rate of output inflation.
- Crude oil provided the largest upward contribution to the change in the annual rate of input inflation.

2 . Things you need to know about this release

The Office for National Statistics (ONS) will be implementing important methodological improvements to the Producer Price Index and Services Producer Price Index by summer 2020. These include moving from fixed-base weights to annual chain-linking, which will improve the accuracy of these statistics. At the same time, we will be introducing [changes to the level of detail](#) of the data we publish and changes to our PPI headline figure from net to gross in line with international best practice. In order to support users with the transition to the new headline definition, Section 6 includes a comparison between the existing measures of output and input PPI on a net and on a gross basis.

We will pre-announce the exact date when these changes will be implemented over the coming few months in order to give users as much notice as possible. Detailed technical information, including impact analysis, will be made available in advance of this change.

The factory gate price (output price) is the amount received by UK producers for the goods that they sell to the domestic market. It includes the margin that businesses make on goods, in addition to costs such as labour, raw materials and energy, as well as interest on loans, site or building maintenance, or rent.

The input price measures the price of materials and fuels bought by UK manufacturers for processing. It includes materials and fuels that are both imported or sourced within the domestic market. It is not limited to materials used in the final product, but includes what is required by businesses in their normal day-to-day running, such as fuels.

The use of core input inflation removes the more volatile indices of food, tobacco, beverages and petrol from our statistics.

Index numbers shown in the main text of this bulletin are on a net sector basis. The index for any industry relates only to transactions between that industry and other industries; sales and purchases within industries are excluded.

Indices relate to average prices for a month. The full effect of a price change occurring part way through any month will only be reflected in the following month's index.

All index numbers exclude Value Added Tax (VAT). The Soft Drinks Industry Levy, introduced in April 2018, is also excluded. Excise Duty (on cigarettes, manufactured tobacco, alcoholic liquor and petroleum products) is included, except where labelled otherwise.

Each Producer Price Index (PPI) has two unique identifiers: a 10-digit index number, which relates to the [Standard Industrial Classification 2007: SIC 2007](#) code appropriate to the index, and a four-character alphanumeric code (series ID), which can be used to find series when using the [time series dataset](#) for PPI.

Figures for the latest two months are provisional, and the latest five months are subject to revisions taking account of late and revised respondent data. Revisions to seasonal adjustment factors are re-estimated every month for the seasonally adjusted series. A routine seasonal adjustment review is normally conducted in the autumn each year.

3 . Producer price inflation summary

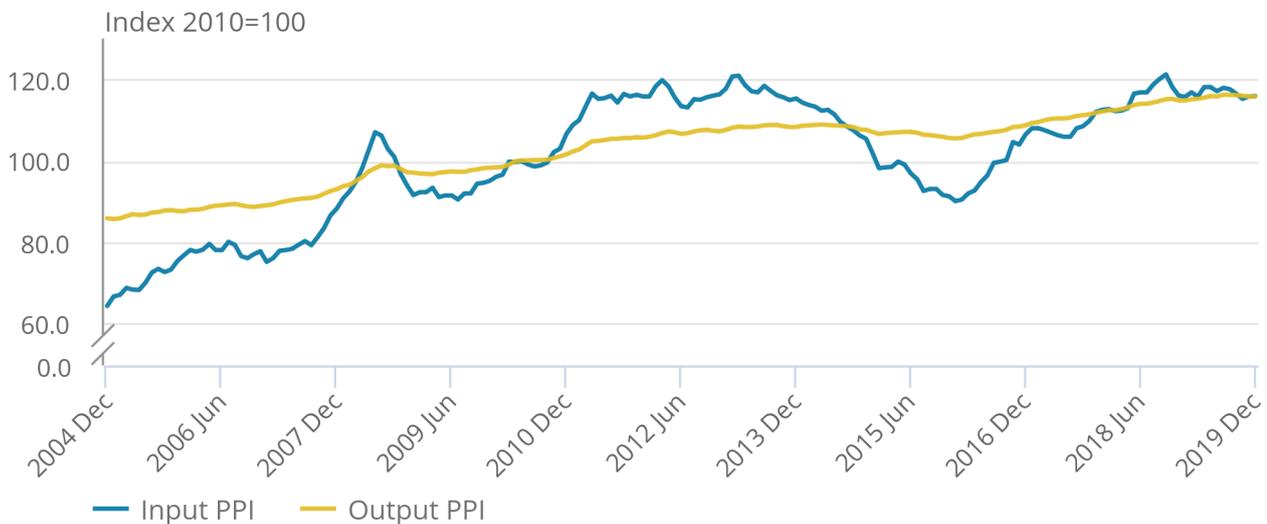
Figure 1 shows input and output Producer Price Indices (PPI) over the past 15 years. Input PPI is driven mostly by commodity prices, which tend to be more volatile over time, compared with prices for finished goods (output PPI). Input PPI is also sensitive to exchange rate movements as roughly two-thirds of inputs into the UK manufacturing sector are imported.

Figure 1: Input producer price inflation (PPI) is more volatile over time than output inflation

Input and output PPI, UK, December 2004 to December 2019

Figure 1: Input producer price inflation (PPI) is more volatile over time than output inflation

Input and output PPI, UK, December 2004 to December 2019



Source: Office for National Statistics – Producer Price Index

4 . Annual output inflation picks up for the first time in five months

The annual rate of inflation for goods leaving the factory gate (output prices) increased from 0.5% in November 2019 to 0.9% in December 2019 (Table 1). This is the first time the rate has picked up since July 2019. The annual rate has now remained positive for 42 consecutive months, last showing negative growth in June 2016.

On the month, the rate of output inflation was flat, following three consecutive months of negative growth from September 2019 to November 2019.

Table 1: Output prices, index values, growth rates and percentage point change to the 12-month rate, UK, December 2018 to December 2019

All manufactured products (JVZ7)				
	PPI Index (2010=100)	1-month rate	12-month rate	Change in the 12- month rate (percentage points)
Dec 2018	114.8	-0.3	2.4	-0.6
Jan 2019	114.8	0.0	2.1	-0.3
Feb	115.1	0.3	2.4	0.3
Mar	115.2	0.1	2.2	-0.2
Apr	115.5	0.3	2.1	-0.1
May	115.9	0.3	1.9	-0.2
June	115.8	-0.1	1.6	-0.3
July	116.2	0.3	1.9	0.3
Aug	116.2	0.0	1.7	-0.2
Sep	116.1	-0.1	1.2	-0.5
Oct	116.0	-0.1	0.8	-0.4
Nov	115.8	-0.2	0.5	-0.3
Dec	115.8	0.0	0.9	0.4

Source: Office for National Statistics – Producer Price Index

Figure 2 shows contributions by product group to the monthly and annual rate of output inflation, and Table 2 shows monthly and annual growth rates by product group.

Nine of the ten product groups provided positive contributions to the output annual rate.

Transport equipment provided the largest upward contribution of 0.21 percentage points to the annual rate (Figure 2), with price growth of 1.7% on the year to December 2019 (Table 2). This industry has displayed positive annual growth since January 2016.

Computer, electrical and optical products displayed the second-largest upward contribution of 0.17 percentage points to the annual rate, with annual growth of 1.4% in December 2019.

Chemicals and pharmaceuticals was the only product group to provide a negative contribution to the annual rate, at 0.12 percentage points. This industry has provided a negative contribution to the annual rate for the last six months.

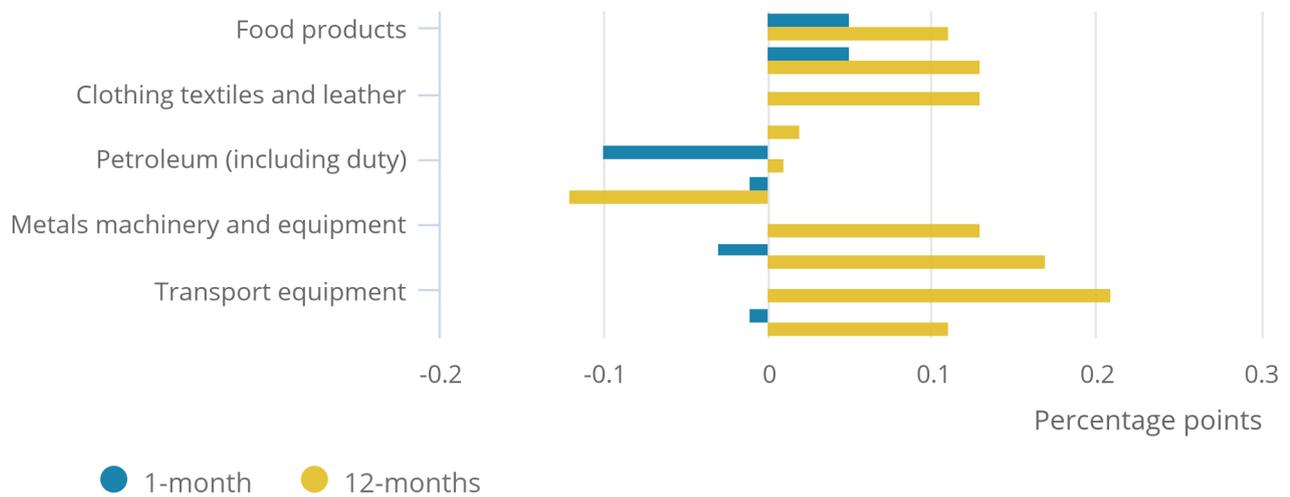
On the month, output inflation was flat in December 2019. Six product groups displayed offsetting movements, with petroleum showing the largest downward contribution, at 0.10 percentage points, and food products, and tobacco and alcohol showing the highest upward contribution, both at 0.05 percentage points. Four product groups made no contribution either way.

Figure 2: Nine of the ten product groups provided upward contributions to the annual rate

Output prices contribution to 1-month and 12-month growth rate, UK, December 2019

Figure 2: Nine of the ten product groups provided upward contributions to the annual rate

Output prices contribution to 1-month and 12-month growth rate, UK, December 2019



Source: Office for National Statistics – Producer Price Index

Notes:

- Contributions to the rate may not add up to the rate exactly due to rounding.

Table 2: Output prices, growth rates, UK, December 2019

Product group	Percentage change	
	1-month rate	12-month rate
Food products	0.4	0.7
Tobacco and alcohol (incl. duty)	0.5	1.2
Clothing, textile and leather	0.0	1.1
Paper and printing	0.0	0.5
Petroleum products (incl. duty)	-1.2	0.1
Chemical and pharmaceutical	-0.2	-1.5
Metal, machinery and equipment	0.1	1.7
Computer, electrical and optical	-0.2	1.4
Transport equipment	0.0	1.7
Other manufactured products	-0.1	0.7
All manufacturing	0.0	0.9

Source: Office for National Statistics – Producer Price Index

Figure 3 shows contributions to the change in the annual rate for factory gate prices (output prices).

There was a 0.4 percentage point increase in the annual rate for output prices, from 0.5% in November 2019 to 0.9% in December 2019. Four of the ten product groups displayed upward contributions to the change in the rate, with petroleum products providing the largest upward contribution, at 0.48 percentage points (Figure 3). The annual rate of petroleum products was 0.1% in December 2019, up from negative 4.7% in November 2019. This is the first time the rate has been positive since May 2019. Petroleum prices fell by 1.2% between November 2019 and December 2019 but fell by a larger amount (6.0%) in the same period last year, resulting in an upward contribution to the change in the annual rate.

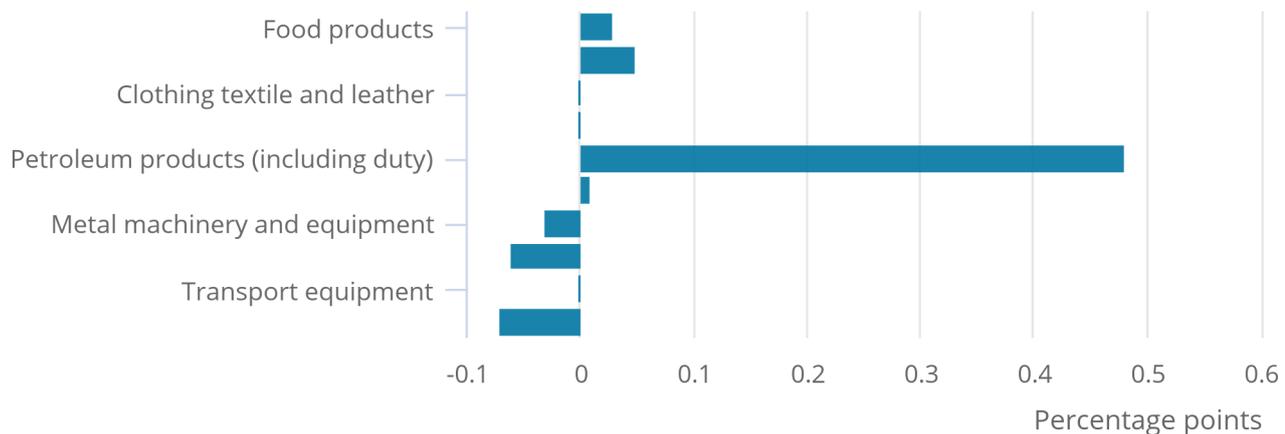
Tobacco and alcohol, food products, and chemicals and pharmaceuticals provided smaller upward contributions to the change in the rate.

Figure 3: Petroleum products made the largest upward contribution to the change in the annual rate of output inflation

Output PPI, contribution to change in the annual rate, UK, December 2019

Figure 3: Petroleum products made the largest upward contribution to the change in the annual rate of output inflation

Output PPI, contribution to change in the annual rate, UK, December 2019



Source: Office for National Statistics – Producer Price Index

Notes:

1. Contributions to the rate may not add up to the rate exactly due to rounding.

5 . Annual input inflation picks up but continues to display negative growth

The annual rate of inflation for materials and fuels purchased by manufacturers (input prices) was negative 0.1% in December 2019, up from negative 1.9% in November 2019. This is the fifth consecutive month in which the rate has been negative, following 37 consecutive months of positive annual growth from July 2016 to July 2019.

The monthly rate for materials and fuels purchased slowed from 0.5% in November 2019 to 0.1% in December 2019 (Table 3). This is the first time there has been two consecutive months of positive monthly growth since October 2018.

Table 3: Input prices, index values, growth rates and percentage point change to the 12-month rate, UK, December 2018 to December 2019

All materials and fuels purchased (K646)

	PPI Index (2010=100)	1-month rate	12-month rate	Change in the 12-month rate (percentage points)
Dec 2018	116.0	-1.8	3.1	-2.3
Jan 2019	115.7	-0.3	2.7	-0.4
Feb	116.8	1.0	4.1	1.4
Mar	115.8	-0.9	3.1	-1.0
Apr	118.1	2.0	4.6	1.5
May	118.1	0.0	1.4	-3.2
June	117.1	-0.8	0.3	-1.1
July	117.9	0.7	0.9	0.6
Aug	117.6	-0.3	-0.9	-1.8
Sep	116.5	-0.9	-3.0	-2.1
Oct	115.2	-1.1	-5.0	-2.0
Nov	115.8	0.5	-1.9	3.1
Dec	115.9	0.1	-0.1	1.8

Source: Office for National Statistics – Producer Price Index

The annual rate of inflation for imported materials and fuels was negative 0.8% in December 2019 (Table 4), which is up 1.4 percentage points from November 2019 when it was negative 2.2%. This is the fourth consecutive month that the annual rate has been negative. The monthly rate rose from negative 0.6% in November 2019 to negative 0.5% in December 2019. Imported materials and fuels represent roughly two-thirds of overall materials and fuels (input prices) in terms of index weight.

The sterling effective exchange rate index (ERI) grew by 1.4% on the month to 80.7 in December 2019. This is the highest the index value has been since June 2016. On the year, the ERI displayed growth of 5.2% in December 2019 (source: [Bank of England](#)), the highest the annual rate has been since November 2015.

All else being equal, a stronger sterling effective exchange rate will lead to less expensive inputs of imported materials and fuels.

Table 4: Imported materials and fuels purchased and sterling effective exchange rate, index values, growth rates and percentage point change to the 12-month rate, UK, December 2018 to December 2019

	Imported materials and fuels purchased (K64F)				Sterling effective exchange rate - month average (BK67)		
	PPI Index (2010=100)	1-month rate	12-month rate	Change in the 12-month rate (percentage points)	Sterling Index (Jan 2005=100)	1-month rate	12-month rate
Dec 2018	112.4	-1.9	2.7	-2.2	76.7	-2.0	-1.9
Jan 2019	111.4	-0.9	1.6	-1.1	77.8	1.4	-1.3
Feb	112.1	0.6	2.7	1.1	78.8	1.3	-0.1
Mar	112.1	0.0	2.7	0.0	79.9	1.4	1.0
Apr	113.8	1.5	3.6	0.9	79.5	-0.5	-0.9
May	114.5	0.6	0.6	-3.0	78.8	-0.9	0.0
June	114.0	-0.4	0.0	-0.6	77.2	-2.0	-1.5
July	115.3	1.1	0.6	0.6	76.1	-1.4	-2.6
Aug	115.9	0.5	0.1	-0.5	74.8	-1.7	-3.4
Sep	115.0	-0.8	-0.9	-1.0	76.6	2.4	-2.0
Oct	112.8	-1.9	-3.7	-2.8	78.3	2.2	-0.4
Nov	112.1	-0.6	-2.2	1.5	79.6	1.7	1.7
Dec	111.5	-0.5	-0.8	1.4	80.7	1.4	5.2

Source: Office for National Statistics – Producer Price Index

Figure 4 shows contributions by product group to the monthly and annual rate of input inflation, and Table 5 shows monthly and annual growth rates by product group.

Four of the nine product groups provided negative contributions to the input annual rate.

The largest downward contribution to the annual rate in December 2019 came from imported chemicals, which contributed 2.60 percentage points (Figure 4) and had negative annual price growth of 7.8% (Table 5). This downward contribution was driven by imported products used in the manufacture of petrochemicals. Imported chemicals has now displayed negative annual growth for six consecutive months and this is the lowest the rate has been since June 1999.

Home food materials provided the second-largest downward contribution to the annual rate at 1.67 percentage points, with negative price growth of 4.7%. This was driven by domestic products used in crop and animal production; hunting and related service activities, which had negative growth of 4.9% on the year and continues six months of negative growth.

The largest upward contribution to the annual rate in December 2019 came from crude oil, with a contribution of 2.72 percentage points and price growth of 7.1%. This follows seven consecutive months of negative annual growth between May 2019 and November 2019. The average price for world crude oil was US \$63 per barrel in December 2019, which is 4.9% higher than the previous month and 17.4% higher than a year ago (source: [World Bank](#)). This is the first time the annual rate of world crude oil has been positive since November 2018.

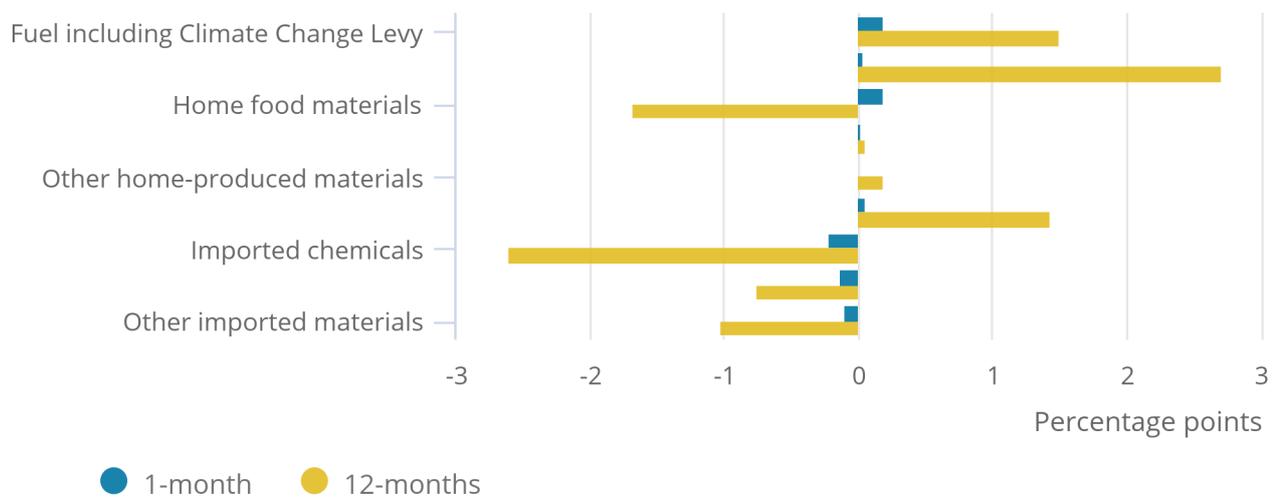
On the month, home produced food provided the largest upward contribution of 0.20 percentage points, with prices rising by 1.7%.

Figure 4: Imported chemicals provided the largest downward contribution to the annual rate in December 2019

Input PPI, contribution to 1-month and 12-month growth rate, UK, December 2019

Figure 4: Imported chemicals provided the largest downward contribution to the annual rate in December 2019

Input PPI, contribution to 1-month and 12-month growth rate, UK, December 2019



Source: Office for National Statistics – Producer Price Index

Notes:

1. Contributions to the rate may not add up to the rate exactly due to rounding.

Table 5: Input prices, growth rates, UK, December 2019

Product group	Percentage change	
	1-month rate	12-month rate
Fuel including Climate Change Levy	1.9	5.2
Crude oil	0.3	7.1
Home food materials	1.7	-4.7
Imported food materials	0.3	0.3
Other home-produced materials	0.4	2.6
Imported metals	0.8	7.0
Imported chemicals	-1.8	-7.8
Imported parts and equipment	-0.8	-1.7
Other imported materials	-1.2	-4.6
All manufacturing	0.1	-0.1

Source: Office for National Statistics – Producer Price Index

Figure 5 shows contributions to the change in the annual rate of inflation for fuels and materials purchased by manufacturers (input prices).

There was a 1.8 percentage point increase in the annual rate for input prices, from negative 1.9% in November 2019 to negative 0.1% in December 2019. Despite this, only three out of the nine product groups displayed upward contributions to the change in the rate.

Crude oil provided the largest upward contribution to the change in the rate, at 2.43 percentage points. The annual growth of crude oil increased 15.0 percentage points from negative 7.9% in November 2019 to 7.1% in December 2019. This is mostly down to a base year effect with only a small increase of 0.3% between November 2019 and December 2019, compared with a fall of 13.7% between the same period last year.

Home food materials provided the second-largest upward contribution to the change in the rate, at 0.24 percentage points.

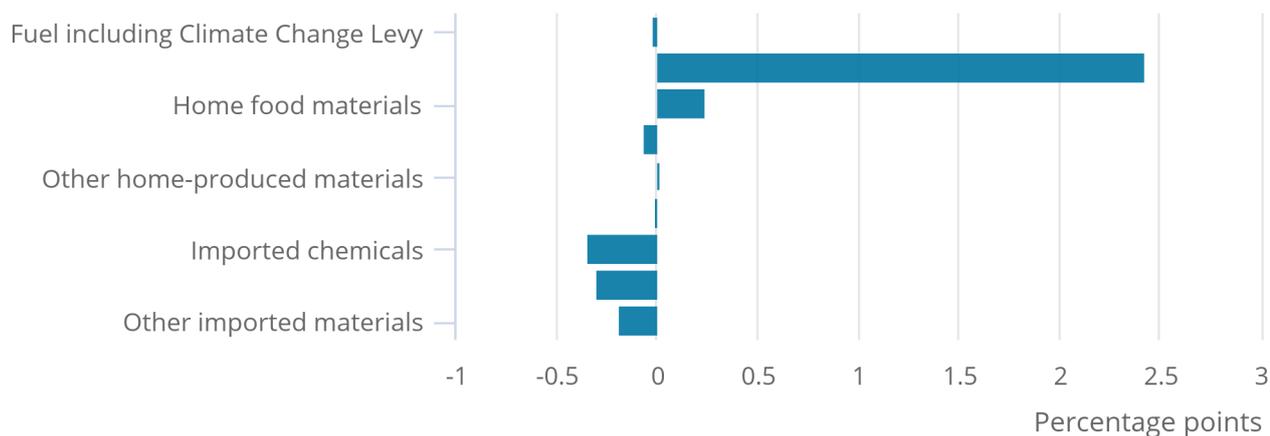
Imported chemicals provided the largest downward contribution to the change in the rate, at 0.34 percentage points.

Figure 5: Crude oil provided the largest upward contribution to the change in the annual rate in December 2019

Input PPI, contribution to change in the annual rate, UK, December 2019

Figure 5: Crude oil provided the largest upward contribution to the change in the annual rate in December 2019

Input PPI, contribution to change in the annual rate, UK, December 2019



Source: Office for National Statistics – Producer Price Index

Notes:

1. Contributions to the rate may not add up to the rate exactly due to rounding.

6 . Gross and net producer price indices

Producer price indices (PPIs) are measured on two different bases: gross and net of inter-sector sales. Gross sector PPIs include products sold by one business to another business classified to the same industry sector. Net sector PPIs exclude (net out) products sold by a business to another business classified to the same industry sector.

The Office for National Statistics (ONS) currently headlines with net sector PPIs, which include duty. We will move our headline to a gross sector basis excluding duty by summer 2020, in line with international best practice.

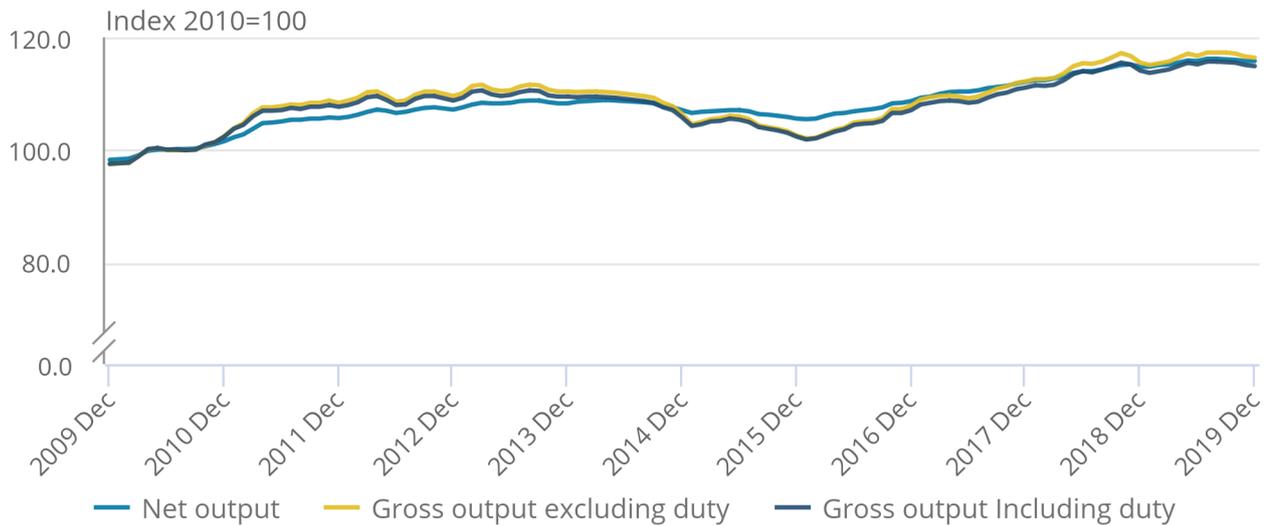
Figure 6 shows net and gross output producer price indices (PPI) over the past 10 years. In December 2019, the net output PPI was 115.8 while the gross output excluding duty PPI was 116.4.

Figure 6: Gross and net sector output indices display similar trends over time

Net output versus gross output, UK December 2009 to December 2019

Figure 6: Gross and net sector output indices display similar trends over time

Net output versus gross output, UK December 2009 to December 2019



Source: Office for National Statistics – Producer Price Index

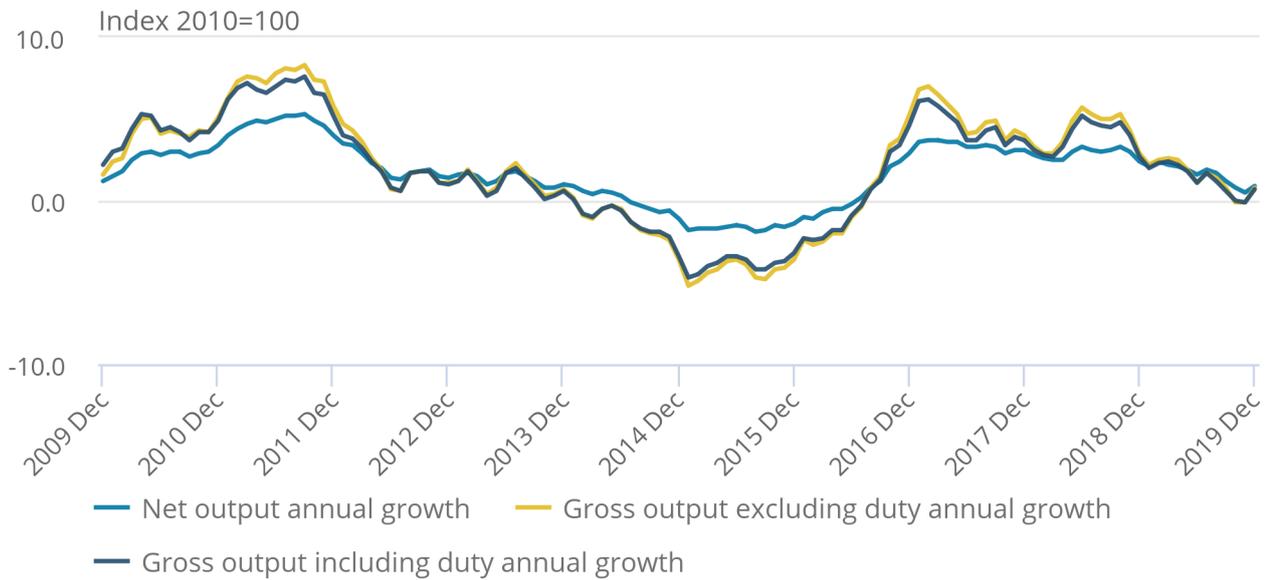
As shown in Figure 7, gross and net sector output indices display similar trends over time, although the gross indices show higher volatility, particularly at times of high inflation, either positive or negative. For net output PPI, the annual growth was 0.9% in December 2019, up from 0.5% in November 2019. For gross output excluding duty PPI, the annual growth in December 2019 was 0.8%, which is up from negative 0.1% in November 2019.

Figure 7: Gross output shows greater volatility over time

Net output versus gross output, UK December 2009 to December 2019

Figure 7: Gross output shows greater volatility over time

Net output versus gross output, UK December 2009 to December 2019



Source: Office for National Statistics – Producer Price Index

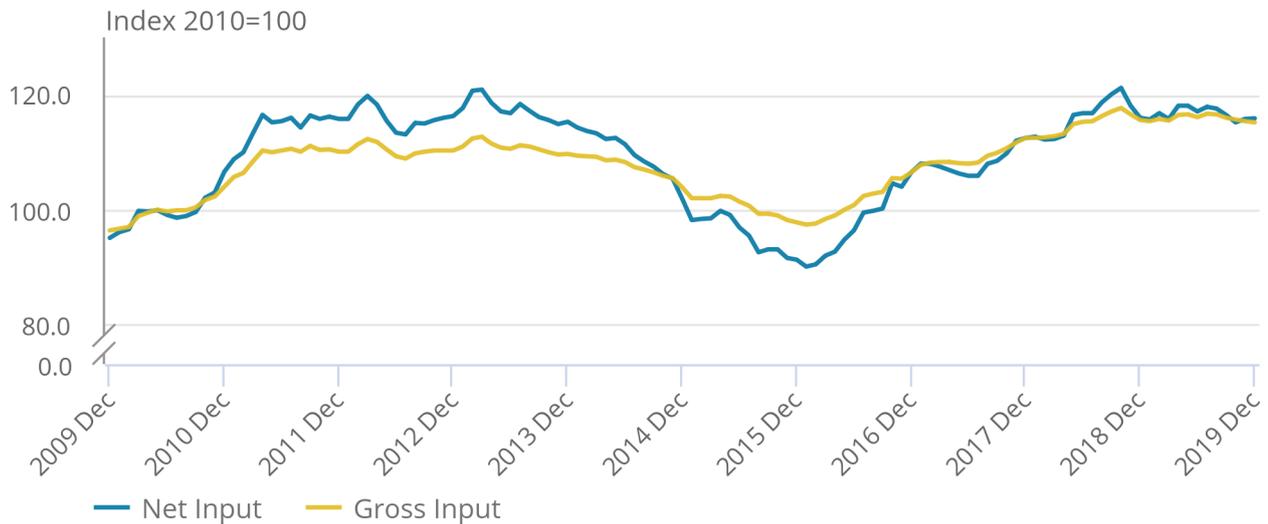
Figure 8 shows net and gross input PPI over the past 10 years. The trends of the indices are similar, although the net input PPI appears more volatile than the gross input PPI. In December 2019, the net input PPI was 115.9 while the gross input PPI was 115.2.

Figure 8: Net input shows greater volatility but displays similar trends to gross input

Net output versus gross output, UK December 2009 to December 2019

Figure 8: Net input shows greater volatility but displays similar trends to gross input

Net output versus gross output, UK December 2009 to December 2019



Source: Office for National Statistics – Producer Price Index

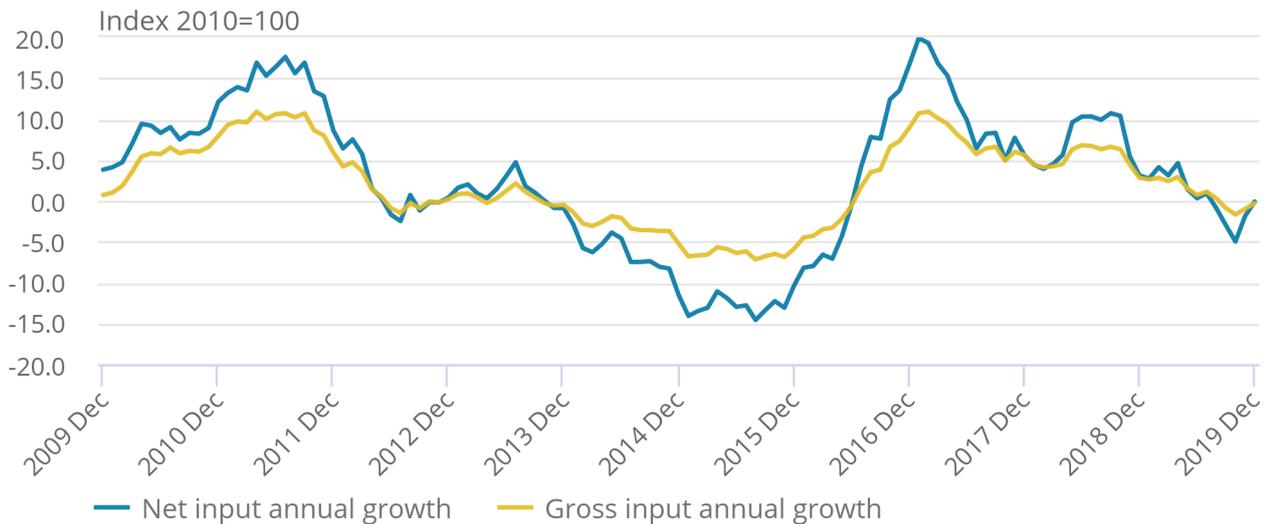
Figure 9 also shows that the annual growth rates for net input PPI are more volatile than for gross input PPI. For net input PPI, the annual growth was negative 0.1% in December 2019, up from negative 1.9% in November 2019. For gross input PPI, the annual growth in December 2019 was negative 0.3%, up from negative 1.0% in November 2019.

Figure 9: Net input growth displays more volatility than gross input growth

Net output versus gross output, UK December 2009 to December 2019

Figure 9: Net input growth displays more volatility than gross input growth

Net output versus gross output, UK December 2009 to December 2019



Source: Office for National Statistics – Producer Price Index

7. Links to related statistics

In addition to the data included within this statistical bulletin, the following detailed datasets are available:

- [Aerospace and electronic cost indices time series](#)
- [Producer price inflation time series](#)

Higher, lower and equal movements for each Producer Price Index are shown in the [Producer price inflation records: monthly figures](#).

A summary of the revisions to PPI data are available in the PPI revision triangles:

- [Producer price inflation revision triangle: total output 12-months \(JVZ7\)](#)
- [Producer price inflation revision triangle: total output 1-month \(JVZ7\)](#)
- [Producer price inflation revision triangle: total input 12-months \(K646\)](#)
- [Producer price inflation revision triangle: total input 1-month \(K646\)](#)

Other important measures of inflation and prices include the [Consumer Prices Index \(CPI\)](#) and the [Services Producer Price Index \(SPPI\)](#).

8 . Quality and methodology

More quality and methodology information on strengths, limitations, appropriate uses, and how the data were created is available in the [Producer price indices \(PPI\) QMI](#).

If you would like more information about the reliability of the data, [a PPI standard errors article](#) was published on 18 May 2018. The tables present the calculated standard errors of the PPI during the period January 2017 to December 2017, for both month-on-month and 12-month growth.

[Guidance on using indices in indexation clauses \(PDF, 197KB\)](#) covers producer prices, services producer prices and consumer prices.

An up-to-date manual for the PPI, including the import and export index, is now available. [PPI methods and guidance \(PDF, 1.18MB\)](#) provides an outline of the methods used to produce the PPI as well as information about recent PPI developments.

Gross sector basis figures, which include intra-industry sales and purchases, are shown in [PPI dataset Tables 4 and 6](#).

The detailed input indices of prices of materials and fuels purchased by industry ([PPI dataset Table 6](#)) do not include the Climate Change Levy (CCL). This is because each industry can, in practice, pay its own rate for the various forms of energy, depending on the various negotiated discounts and exemptions that apply.

1 Output Prices: Summary (not seasonally adjusted) - SIC 2007

2010=100, SIC2007

	Net Sector						Gross Sector					
	Output of manufactured products			All manufacturing excluding food, beverages, tobacco and petroleum			Food products, beverages and tobacco, including duty			Coke and refined petroleum products, including duty		
	Index (2010=100)	percentage change over		Index (2010=100)	percentage change over		Index (2010=100)	percentage change over		Index (2010=100)	percentage change over	
		1 mth	12 mths		1 mth	12 mths		1 mth	12 mths		1 mth	12 mths
	7200700000			7200799000			7111101280			7112190080		
	JVZ7			K3BI			K65A			K37Y		
2019 Jun	115.8	-0.1	1.6	114.2	0.1	1.7	119.7	-	2.0	106.1	-2.0	-2.1
Jul	116.2	0.3	1.9	114.6	0.4	2.0	119.6	-0.1	2.2	107.6	1.4	-0.4
Aug	116.2	-	1.7	114.8	0.2	2.0	119.2	-0.3	1.8	107.5	-0.1	-1.5
Sep	116.1	-0.1	1.2	114.7	-0.1	1.7	119.0	-0.2	0.8	107.5	-	-2.9
Oct	116.0	-0.1	0.8	114.6	-0.1	1.3	119.3	0.3	1.0	106.5	-0.9	-6.0
Nov	115.8p	-0.2	0.5	114.5p	-0.1	1.1	119.1p	-0.2	0.6	105.5p	-0.9	-4.7
Dec	115.8p	-	0.9	114.4p	-0.1	0.9	119.6p	0.4	0.8	104.2p	-1.2	0.1

p = provisional
r = revised

Source: Office for National Statistics

2 Net Sector Input Prices, including Climate Change Levy¹: summary (not seasonally adjusted) - SIC 2007

2010=100, SIC2007

	All manufacturing (materials and fuel purchased)			Materials purchased by manufacturing industry			Fuel purchased by manufacturing industry		
	Index (2010=100)	percentage change over		Index (2010=100)	percentage change over		Index (2010=100)	percentage change over	
		1 mth	12 mths		1 mth	12 mths		1 mth	12 mths
		6207000050			6207000010			6207000060	
	K646			K644			K647		
2019 Jun	117.1	-0.8	0.3	115.7	-0.9	-0.3	130.1	0.3	5.8
Jul	117.9	0.7	0.9	116.6	0.8	0.2	130.0	-0.1	7.3
Aug	117.6	-0.3	-0.9	116.2	-0.3	-1.4	129.8	-0.2	3.6
Sep	116.5	-0.9	-3.0	115.2	-0.9	-3.0	127.6	-1.7	-3.0
Oct	115.2	-1.1	-5.0	113.1	-1.8	-5.7	132.8	4.1	-0.4
Nov	115.8p	0.5	-1.9	113.1p	-	-2.9	139.8p	5.3	5.5
Dec	115.9p	0.1	-0.1	112.9p	-0.2	-0.8	142.4p	1.9	5.2

¹ The Climate Change Levy was introduced in April 2001.

Source: Office for National Statistics

p = provisional
r = revised

3 Net Sector Output Prices (not seasonally adjusted) - SIC 2007

2010=100, SIC2007

	Output of manufactured products			All manufacturing excluding food, beverages, tobacco and petroleum			All manufacturing, excluding duty ¹		
	Index (2010=100)	percentage change over		Index (2010=100)	percentage change over		Index (2010 = 100)	percentage change over	
		1 month	12 months		1 month	12 months		1 month	12 months
	7200700000			7200799000			7200700010		
	JVZ7			K3BI			JVZ8		
2016 Jun	106.9	0.3	-0.2	106.6	0.1	0.7	107.3	0.3	-0.1
Jul	107.1	0.2	0.2	107.2	0.6	1.2	107.5	0.2	0.2
Aug	107.3	0.2	0.8	107.4	0.2	1.5	107.7	0.2	0.8
Sep	107.6	0.3	1.2	107.4	-	1.4	108.0	0.3	1.2
Oct	108.3	0.7	2.1	107.9	0.5	2.0	108.8	0.7	2.2
Nov	108.4	0.1	2.4	108.0	0.1	2.3	108.8	-	2.4
Dec	108.7	0.3	2.9	108.1	0.1	2.2	109.1	0.3	2.8
2017 Jan	109.3	0.6	3.6	108.6	0.5	2.5	109.7	0.5	3.4
Feb	109.5	0.2	3.7	108.6	-	2.4	109.9	0.2	3.5
Mar	110.0	0.5	3.7	109.0	0.4	2.6	110.2	0.3	3.4
Apr	110.3	0.3	3.6	109.4	0.4	2.8	110.6	0.4	3.4
May	110.4	0.1	3.6	109.5	0.1	2.8	110.7	0.1	3.5
Jun	110.4	-	3.3	109.7	0.2	2.9	110.7	-	3.2
Jul	110.6	0.2	3.3	109.9	0.2	2.5	110.9	0.2	3.2
Aug	111.0	0.4	3.4	110.2	0.3	2.6	111.3	0.4	3.3
Sep	111.2	0.2	3.3	110.1	-0.1	2.5	111.5	0.2	3.2
Oct	111.4	0.2	2.9	110.3	0.2	2.2	111.8	0.3	2.8
Nov	111.8	0.4	3.1	110.5	0.2	2.3	112.1	0.3	3.0
Dec	112.1	0.3	3.1	110.6	0.1	2.3	112.4	0.3	3.0
2018 Jan	112.4	0.3	2.8	111.0	0.4	2.2	112.6	0.2	2.6
Feb	112.4	-	2.6	111.3	0.3	2.5	112.7	0.1	2.5
Mar	112.7	0.3	2.5	111.4	0.1	2.2	112.9	0.2	2.5
Apr	113.1	0.4	2.5	111.6	0.2	2.0	113.3	0.4	2.4
May	113.7	0.5	3.0	111.9	0.3	2.2	113.8	0.4	2.8
Jun	114.0	0.3	3.3	112.3	0.4	2.4	114.1	0.3	3.1
Jul	114.0	-	3.1	112.4	0.1	2.3	114.1	-	2.9
Aug	114.3	0.3	3.0	112.6	0.2	2.2	114.4	0.3	2.8
Sep	114.7	0.3	3.1	112.8	0.2	2.5	114.8	0.3	3.0
Oct	115.1	0.3	3.3	113.1	0.3	2.5	115.2	0.3	3.0
Nov	115.2	0.1	3.0	113.2	0.1	2.4	115.2	-	2.8
Dec	114.8	-0.3	2.4	113.4	0.2	2.5	114.9	-0.3	2.2
2019 Jan	114.8	-	2.1	113.7	0.3	2.4	115.0	0.1	2.1
Feb	115.1	0.3	2.4	113.9	0.2	2.3	115.2	0.2	2.2
Mar	115.2	0.1	2.2	113.8	-0.1	2.2	115.3	0.1	2.1
Apr	115.5	0.3	2.1	114.0	0.2	2.2	115.7	0.3	2.1
May	115.9	0.3	1.9	114.1	0.1	2.0	116.0	0.3	1.9
Jun	115.8	-0.1	1.6	114.2	0.1	1.7	115.9	-0.1	1.6
Jul	116.2	0.3	1.9	114.6	0.4	2.0	116.4	0.4	2.0
Aug	116.2	-	1.7	114.8	0.2	2.0	116.4	-	1.7
Sep	116.1	-0.1	1.2	114.7	-0.1	1.7	116.3	-0.1	1.3
Oct	116.0	-0.1	0.8	114.6	-0.1	1.3	116.3	-	1.0
Nov	115.8p	-0.2	0.5	114.5p	-0.1	1.1	116.0p	-0.3	0.7
Dec	115.8p	-	0.9	114.4p	-0.1	0.9	116.0p	-	1.0

1 Series JVZ8 excludes excise duties payable on tobacco products, alcoholic liquor and petroleum products.

Source: Office for National Statistics

p = provisional
r = revised

4 Output Prices: Detailed by product (not seasonally adjusted) - SIC 2007

2010=100, SIC2007

								Percentage change 1 month		Percentage change 12 months	
			2019 Aug	2019 Sep	2019 Oct	2019 Nov	2019 Dec	2019 Nov	2019 Dec	2019 Nov	2019 Dec
Net sector											
Output of manufactured products	JVZ7	7200700000	116.2	116.1	116.0	115.8p	115.8p	-0.2	-	0.5	0.9
All manufacturing, excluding duty	JVZ8	7200700010	116.4	116.3	116.3	116.0p	116.0p	-0.3	-	0.7	1.0
All manufacturing, excluding food, beverages, tobacco and petroleum	K3BI	7200799000	114.8	114.7	114.6	114.5p	114.4p	-0.1	-0.1	1.1	0.9
Gross Sector											
Food products, beverages and tobacco, including duty	K65A	7111101280	119.2	119.0	119.3	119.1p	119.6p	-0.2	0.4	0.6	0.8
Food products	K37L	7112100000	118.3	118.1	118.6	118.3p	118.8p	-0.3	0.4	0.5	0.7
Tobacco products, including duty	K37Q	7112120080	175.5	175.5	175.5	175.5p	175.5p	-	-	-	-
Alcoholic beverages, including duty	MC6A	7229110080	113.5 B	113.5 B	113.3 B	113.3pB	114.4pB	-	1.0	1.5	2.1
Soft drinks, mineral waters and other bottled waters	JU5C	1107000000	107.1 B	107.1 B	107.7 B	107.5pB	107.4pB	-0.2	-0.1	0.3	0.3
Textiles	K37R	7112130000	118.1	118.2r	118.2	118.2p	118.1p	-	-0.1	3.1	3.1
Wearing apparel	K37S	7112140000	119.4	119.8	119.3	119.4p	119.4p	0.1	-	0.8	0.8
Leather and related products	K37T	7112150000	124.2	124.2	124.2	124.2p	124.2p	-	-	0.2	0.2
Wood and products of wood and cork, except furniture	K37U	7112160000	130.9r	130.7	129.2	128.8p	129.7p	-0.3	0.7	-0.4	0.1
Paper and paper products	K37V	7112170000	114.1	114.3	114.0	113.6p	113.4p	-0.4	-0.2	-0.2	-0.4
Printing and recording services	K37W	7112180000	104.5r	104.9r	105.0	105.7p	105.8p	0.7	0.1	1.3	1.5
Coke and refined petroleum products, including duty	K37Y	7112190080	107.5	107.5	106.5	105.5p	104.2p	-0.9	-1.2	-4.7	0.1
Chemicals and chemical products	K37Z	7112200000	113.3	112.9	112.6	112.4p	112.1p	-0.2	-0.3	-2.9	-2.7
Basic pharmaceutical products and pharmaceutical preparations	K382	7112210000	113.7	113.6	113.6	113.6p	113.6p	-	-	0.3	0.3
Rubber and plastic products	K383	7112220000	117.6	117.5	117.2	117.4p	117.3p	0.2	-0.1	1.3	1.1
Other non-metallic mineral products	K384	7112230000	123.0	123.1	122.7	122.5p	122.2p	-0.2	-0.2	2.6	2.4
Basic metals	K385	7112240000	117.0	117.1	118.6	113.5p	112.7p	-4.3	-0.7	-2.7	-3.8
Fabricated metal products, except machinery and equipment	K386	7112250000	117.3	119.2	119.1	119.2p	119.3p	0.1	0.1	2.8	2.2
Computer, electronic and optical products	K387	7112260000	105.6	105.7	105.8	105.7p	105.4p	-0.1	-0.3	1.9	1.5
Electrical equipment	K388	7112270000	112.6	111.2	110.9	110.9p	110.8p	-	-0.1	1.9	1.4
Machinery and equipment n.e.c.	K389	7112280000	120.0	120.0	120.2	120.1p	120.1p	-0.1	-	1.8	1.7
Motor vehicles, trailers and semi-trailers	K38A	7112290000	110.3	109.9	109.8	109.5p	109.6p	-0.3	0.1	0.6	0.7
Other transport equipment	K38B	7112300000	121.2	121.0	121.7	121.5p	121.4p	-0.2	-0.1	4.2	3.9
Furniture	K38C	7112310000	116.9	116.8	116.7	116.6p	116.5p	-0.1	-0.1	0.5	0.2
Other manufactured goods	K38D	7112320000	113.7	113.6	113.0	112.9p	112.7p	-0.1	-0.2	0.8	0.1
Repair and installation services of machinery and equipment	K38E	7112330000	130.7	129.3	128.9	128.7p	128.4p	-0.2	-0.2	0.8	-0.4

p = provisional
r = revised

Source: Office for National Statistics

B: These index values are considered less reliable mainly due to lack of market coverage.

5 Net Sector Input Prices, including Climate Change Levy¹: Materials and Fuels purchased - SIC 2007

2010=100, SIC2007

	All manufacturing			All manufacturing excluding food, beverages, tobacco and petroleum industries					
	not seasonally adjusted			not seasonally adjusted			seasonally adjusted		
	Index (2010=100)	percentage change over		Index (2010=100)	percentage change over		Index (2010=100)	percentage change over	
		1 month	12 months		1 month	12 months		1 month	12 months
	6207000050			6207990050			6207998950		
	K646			K655			K658		
2016 Jun	96.4	1.7	-0.5	99.6	0.7	-0.3	100.2	0.7	-
Jul	99.5	3.2	4.2	103.9	4.3	5.1	104.5	4.3	4.7
Aug	99.8	0.3	7.8	104.1	0.2	6.3	104.5	-	6.2
Sep	100.2	0.4	7.6	103.9	-0.2	5.3	104.2	-0.3	5.3
Oct	104.6	4.4	12.4	107.9	3.8	10.1	107.5	3.2	10.0
Nov	104.0	-0.6	13.5	107.6	-0.3	11.3	106.9	-0.6	11.1
Dec	106.5	2.4	16.6	107.9	0.3	10.3	107.4	0.5	10.4
2017 Jan	108.0	1.4	19.9	109.6	1.6	11.8	108.9	1.4	11.6
Feb	108.0	-	19.3	109.6	-	11.3	109.2	0.3	11.2
Mar	107.5	-0.5	16.8	109.7	0.1	10.8	109.2	-	11.0
Apr	106.9	-0.6	15.3	108.8	-0.8	9.6	109.1	-0.1	10.0
May	106.3	-0.6	12.1	108.7	-0.1	9.9	109.4	0.3	9.9
Jun	105.9	-0.4	9.9	109.4	0.6	9.8	109.9	0.5	9.7
Jul	105.9	-	6.4	109.3	-0.1	5.2	109.9	-	5.2
Aug	108.0	2.0	8.2	111.1	1.6	6.7	111.3	1.3	6.5
Sep	108.5	0.5	8.3	110.7	-0.4	6.5	110.9	-0.4	6.4
Oct	109.8	1.2	5.0	111.6	0.8	3.4	111.1	0.2	3.3
Nov	112.0	2.0	7.7	112.7	1.0	4.7	112.0	0.8	4.8
Dec	112.5	0.4	5.6	112.8	0.1	4.5	112.4	0.4	4.7
2018 Jan	112.7	0.2	4.4	112.7	-0.1	2.8	112.2	-0.2	3.0
Feb	112.2	-0.4	3.9	113.0	0.3	3.1	112.8	0.5	3.3
Mar	112.3	0.1	4.5	113.0	-	3.0	113.0	0.2	3.5
Apr	112.9	0.5	5.6	112.6	-0.4	3.5	113.5	0.4	4.0
May	116.5	3.2	9.6	114.6	1.8	5.4	115.6	1.9	5.7
Jun	116.8	0.3	10.3	115.4	0.7	5.5	116.1	0.4	5.6
Jul	116.8	-	10.3	115.7	0.3	5.9	116.3	0.2	5.8
Aug	118.7	1.6	9.9	117.3	1.4	5.6	117.0	0.6	5.1
Sep	120.1	1.2	10.7	118.0	0.6	6.6	117.9	0.8	6.3
Oct	121.2	0.9	10.4	118.0	-	5.7	117.5	-0.3	5.8
Nov	118.1	-2.6	5.4	117.4	-0.5	4.2	117.0	-0.4	4.5
Dec	116.0	-1.8	3.1	118.1	0.6	4.7	117.7r	0.6	4.7
2019 Jan	115.7	-0.3	2.7	117.8	-0.3	4.5	117.3	-0.3	4.5
Feb	116.8	1.0	4.1	118.0	0.2	4.4	117.8	0.4	4.4
Mar	115.8	-0.9	3.1	116.3	-1.4	2.9	116.5	-1.1	3.1
Apr	118.1	2.0	4.6	117.4	0.9	4.3	118.1	1.4	4.1
May	118.1	-	1.4	117.0	-0.3	2.1	118.1	-	2.2
Jun	117.1	-0.8	0.3	117.8	0.7	2.1	118.4	0.3	2.0
Jul	117.9	0.7	0.9	119.1	1.1	2.9	119.3	0.8	2.6
Aug	117.6	-0.3	-0.9	120.4	1.1	2.6	119.5r	0.2	2.1
Sep	116.5	-0.9	-3.0	118.9	-1.2	0.8	118.5r	-0.8	0.5
Oct	115.2	-1.1	-5.0	118.0	-0.8	-	117.5	-0.8	-
Nov	115.8p	0.5	-1.9	117.7p	-0.3	0.3	117.3p	-0.2	0.3
Dec	115.9p	0.1	-0.1	117.3p	-0.3	-0.7	116.9p	-0.3	-0.7

1 The Climate Change Levy was introduced in April 2001.

Source: Office for National Statistics

p = provisional
r = revised

6 Input Prices, excluding Climate Change Levy¹: Materials and Fuels purchased by selected industries (not seasonally adjusted) - SIC 2007

2010=100, SIC2007

							% change 1 month		% change 12 months		
		2019 Aug	2019 Sep	2019 Oct	2019 Nov	2019 Dec	2019 Nov	2019 Dec	2019 Nov	2019 Dec	
Gross sector											
Other mining & quarrying products ²	MC3K	6107208000	127.4r	125.6	125.0	125.0p	124.9p	-	-0.1	1.1	1.0
Manufacture of food products, beverages, tobacco	MC35	6107110120	121.0	120.2	120.4	121.3p	122.0p	0.7	0.6	-1.4	-1.0
Preserved meat & meat products	MC3V	6107310100	121.8r	121.0	121.0	122.4p	123.5p	1.2	0.9	-1.6	-0.5
Fish, crustaceans, molluscs, fruit & vegetables	MB4X	6107310230	123.0r	122.0	122.3	123.0p	126.2p	0.6	2.6	-1.8	-1.6
Vegetable & animal oils and fats	MC3W	6107310400	125.5r	124.9	129.0	129.6p	128.6p	0.5	-0.8	-0.6	-1.5
Dairy products	MC3X	6107310500	123.4r	122.4	122.1	124.4p	125.2p	1.9	0.6	-4.2	-3.0
Grain mill products, starches & starch products	MC3Y	6107310600	121.3	120.4	120.1	121.4p	121.8p	1.1	0.3	-2.4	-2.0
Bakery & farinaceous products	MC3Z	6107310700	119.3	118.7	119.0	119.0p	118.7p	-	-0.3	-0.3	-0.6
Other food products	MB4Y	6107310800	117.8	117.1r	117.3	117.9p	118.1p	0.5	0.2	-0.7	-0.6
Animal feeds	MC42	6107310900	120.8r	120.2	120.6	121.1p	121.2p	0.4	0.1	-0.6	-0.6
Alcoholic Beverages	MB55	6107411016	117.9r	117.4	117.2	117.4p	117.4p	0.2	-	0.3	0.3
Soft drinks; mineral waters & other bottled waters	MC4D	6107411070	115.9	115.2	115.2	115.2p	114.9p	-	-0.3	0.6	0.1
Tobacco products	MC3M	6107212000	156.8r	156.4	156.4	156.7p	156.7p	0.2	-	0.3	0.1
Manufacture of textiles & textile products; clothing	MC36	6107113140	118.6	118.1	117.8	117.7p	117.4p	-0.1	-0.3	0.6	0.3
Textiles	MB4P	6107213000	117.9	117.3	117.0	116.9p	116.6p	-0.1	-0.3	-0.2	-0.3
Wearing apparel	MC3N	6107214000	119.7r	119.3	119.0	118.8p	118.6p	-0.2	-0.2	1.7	1.5
Manufacture of leather & related products	MC3O	6107215000	119.8r	119.3r	119.1	118.7p	119.2p	-0.3	0.4	0.5	0.8
Manufacture of wood & wood products	MC3P	6107216000	129.8	129.2	128.3	128.0p	128.2p	-0.2	0.2	-1.2	-1.1
Manufacture of pulp, paper & paper products, recording media & printing services	MC39	6107117180	116.5	115.9	115.7	115.6p	115.5p	-0.1	-0.1	-0.4	-0.9
Pulp, paper & paper products	MB4Q	6107217000	117.3	116.6	116.6	116.7p	116.6p	0.1	-0.1	-0.8	-1.2
Printing & recording services	MC3Q	6107218000	115.4	115.0	114.6	114.3p	114.1p	-0.3	-0.2	0.1	-0.4
Manufacture of coke & refined petroleum products	MC3R	6107219000	102.8	103.0	99.7	100.9p	100.9p	1.2	-	-7.2	5.5
Manufacture of chemicals, chemical products & man-made fibres	MC3B	6107120000	115.1	114.0	113.4	112.8p	112.1p	-0.5	-0.6	-4.2	-4.0
Paints, varnishes & similar coatings, printing ink & mastics	MC43	6107320300	116.3	115.3	115.0	114.4p	113.7p	-0.5	-0.6	-3.1	-3.5
Soaps, detergents, cleaning & polishing preparations perfumes & toilet preparations	MC44	6107320400	115.5	114.9	114.6	114.3p	113.8p	-0.3	-0.4	-1.3	-1.8
Other chemical products	MC45	6107320500	116.8	116.0	116.0	115.6p	114.9p	-0.3	-0.6	-2.1	-2.0
Industrial gases; other basic inorganic chemicals; fertilisers & nitrogen compounds	MC4E	6107420910	118.9	117.5	116.8	116.4p	115.9p	-0.3	-0.4	-3.1	-2.8
Petrochemicals & man made fibres	MC4F	6107420920	113.9	112.9r	112.1	111.3p	110.4p	-0.7	-0.8	-5.1	-5.0
Dyes & pigments: pesticides & other agrochemical products	MC4G	6107420930	116.6	115.9r	115.4	115.9p	115.8p	0.4	-0.1	-4.1	-2.7
Manufacture of basic pharmaceutical products & pharmaceutical preparations	MC3S	6107221000	113.2	112.6	112.5	112.3p	112.0p	-0.2	-0.3	-0.8	-1.1
Manufacture of rubber & plastic products	MB4R	6107222000	115.8	114.9	114.5	114.1p	113.6p	-0.3	-0.4	-2.6	-2.7
Manufacture of cement, lime & plaster	MC46	6107323560	123.9	122.7	122.4	122.6p	122.5p	0.2	-0.1	0.3	0.2
Manufacture of glass, refractory, clay, other porcelain, ceramic stone products	MB4Z	6107323990	119.7	118.5	118.4	118.8p	118.7p	0.3	-0.1	-1.1	-1.2

¹ Climate Change Levy is excluded from the detailed industry input index, (see background notes of this Statistical Bulletin for more detail).

Source: Office for National Statistics

² Indices includes the Aggregate Levy which was introduced in April 2002.

p = provisional
r = revised

6 Input Prices, excluding Climate Change Levy¹: Materials and Fuels purchased by selected industries (not seasonally adjusted) - SIC 2007

continued

2010=100, SIC2007

								% change 1 month		% change 12 months	
			2019 Aug	2019 Sep	2019 Oct	2019 Nov	2019 Dec	2019 Nov	2019 Dec	2019 Nov	2019 Dec
Manufacture of basic metals & fabricated products	MC3F	6107124250	118.1	118.3	118.8	116.9p	116.8p	-1.6	-0.1	0.3	0.5
Basic iron, steel & alloys: tubes, pipes, hollow profiles	MC47	6107324130	119.4	118.3	117.4	114.3p	114.5p	-2.6	0.2	-4.9	-3.9
Other basic metals & casting	MB52	6107324450	116.6	118.0	119.9	119.1p	118.7p	-0.7	-0.3	4.5	5.8
Weapons & ammunition	MC48	6107325400	114.8	118.6	118.9	118.9p	118.8p	-	-0.1	5.1	4.5
Fabricated metal products, excluding machinery & equipment & weapons & ammunition	MB53	6107325990	118.6	118.4	118.7	116.7p	116.5p	-1.7	-0.2	-	-0.6
Manufacture of computer, electronic and optical products, electrical equipment	MC3G	6107126270	116.1	115.5	115.3	114.6p	114.1p	-0.6	-0.4	0.9	0.1
Computer, electronic & optical products	MB4S	6107226000	115.7	115.2	114.9	114.2p	113.8p	-0.6	-0.4	1.1	0.3
Electrical equipment	MB4T	6107227000	116.6	116.0	115.9	115.1p	114.7p	-0.7	-0.3	0.4	-0.1
Manufacture of machinery & equipment n.e.c	MB4U	6107228000	117.9	117.3	117.3	116.2p	115.9p	-0.9	-0.3	0.4	-0.3
Manufacturing of motor vehicles & other transport equipment	MC3I	6107129300	115.0	114.4	114.3	113.7p	113.4p	-0.5	-0.3	1.2	0.6
Motor vehicles, trailers & semi trailers	MB4V	6107229000	112.5	112.0	111.9	111.2p	111.0p	-0.6	-0.2	0.5	-
Ships & boats	MC49	6107330100	118.5	117.7	118.0	117.6p	117.6p	-0.3	-	0.7	0.2
Aircraft & spacecraft & related machinery	MC4A	6107330300	124.5	124.2	123.9	123.4p	122.9p	-0.4	-0.4	4.2	3.5
Other transport equipment	MB54	6107330990	115.6	114.6	114.3	113.7p	113.5p	-0.5	-0.2	-	-0.7
Manufacture of other manufactured goods n.e.c	MC3J	6107131330	121.4	120.8	120.4	119.6p	119.4p	-0.7	-0.2	0.8	0.4
Furniture	MC3T	6107231000	119.7	119.2	118.5	117.5p	117.4p	-0.8	-0.1	-1.1	-1.3
Other manufacturing	MB4W	6107232000	118.3	117.6	117.4	116.8p	116.4p	-0.5	-0.3	1.3	0.5
Repair of maintenance of ships & boats	MC4H	6107433150	119.2	118.3	118.5	118.3p	118.3p	-0.2	-	0.9	0.3
Repair & maintenance services of aircraft & spacecraft	MC4I	6107433160	135.1	134.9	134.3	133.8p	133.2p	-0.4	-0.4	4.0	3.3
Other repair; installation	MB56	6107433990	115.5	114.8	114.5	113.6p	113.3p	-0.8	-0.3	0.4	-0.3

1 Climate Change Levy is excluded from the detailed industry input index, (see background notes of this Statistical Bulletin for more detail).

Source: Office for National Statistics

2 Indices includes the Aggregate Levy which was introduced in April 2002.

p = provisional
r = revised

7 Input Prices: detailed by commodity (not seasonally adjusted) - SIC 2007

2010=100, SIC2007

								% change 1 month		% change 12 months	
			2019 Aug	2019 Sep	2019 Oct	2019 Nov	2019 Dec	2019 Nov	2019 Dec	2019 Nov	2019 Dec
Fuel incl. CCL¹	K647	6207000060	129.8	127.6	132.8	139.8p	142.4p	5.3	1.9	5.5	5.2
Domestic coal & lignite incl. CCL	MC78	7167205005	121.4	121.4	117.9	117.9p	117.9p	-	-	-2.1	-2.1
Imported coal & lignite incl. CCL	MC8U	7169205005	149.3	154.6	123.5	123.5p	123.5p	-	-	-14.1	-12.0
Electricity incl. CCL	MC8F	7167335105	142.7	140.6	147.3	152.4p	155.2p	3.5	1.8	16.1	14.0
Gas incl. CCL	MC8H	7167335235	108.1	105.6	109.3	119.8p	122.0p	9.6	1.8	-11.1	-9.2
Fuel excl. CCL	K645	6207000020	127.3	125.0	130.3	136.8p	139.4p	5.0	1.9	3.5	3.5
Domestic coal & lignite excl. CCL	MC77	7167205000	121.1	121.1	117.1	117.1p	117.1p	-	-	-3.1	-3.1
Imported coal & lignite excl. CCL	MC8T	7169205000	146.0	151.2	119.6	119.6p	119.5p	-	-0.1	-17.2	-15.4
Electricity excl. CCL	MC8E	7167335100	140.5	138.1	145.0	150.2p	153.2p	3.6	2.0	14.6	12.7
Gas excl. CCL	MC8G	7167335230	105.5	103.2	106.7	115.9p	117.9p	8.6	1.7	-14.1	-11.8
Crude petroleum oils & metal ores	MC4P	6207008700	98.6	98.9	95.1	96.7p	97.0p	1.7	0.3	-7.9	7.1
Domestic crude oil & metal ores	MC79	7167206070	97.9	97.2	93.5	94.9p	96.0p	1.5	1.2	-4.9	10.9
Imported crude oil & metal ores	MC8V	7169206070	98.9	99.7	95.8	97.5p	97.5p	1.8	-	-9.3	5.4
Food manufacturing:											
Home produced food materials	MB57	6207008100	123.0r	121.6r	121.2	123.5p	125.6p	1.9	1.7	-6.6	-4.7
Agricultural crop products	MC74	7167201000	123.2r	121.8r	121.3	123.8p	124.9p	2.1	0.9	-6.8	-4.9
Fish & other fish products	MC76	7167203000	119.3r	117.3r	119.3	119.3p	137.1p	-	14.9	-3.1	-1.9
Imported food materials	MC4O	6207008600	127.9	126.7r	126.0	128.4p	128.8p	1.9	0.3	1.3	0.3
Agricultural crop products	MC8Q	7169201000	132.3	131.3r	131.9	138.5p	139.8p	5.0	0.9	1.5	1.2
Fish & fish products	MC8S	7169203000	172.3	169.7	166.1	162.0p	159.7p	-2.5	-1.4	-1.2	-3.2
Meat & meat products	MC9F	7169310100	120.1	120.7r	120.7	120.1p	122.3p	-0.5	1.8	8.3	9.9
Processed fish & fish products; fruit & vegetables	MC9G	7169310230	141.7	140.4	136.7	134.8p	133.2p	-1.4	-1.2	-1.3	-3.9
Vegetable, animal oils & fats	MC9H	7169310400	114.8	112.2	109.2	108.0p	107.1p	-1.1	-0.8	-2.0	-6.0
Dairy products	MC9I	7169310500	127.3	127.4	127.5	126.3p	126.3p	-0.9	-	-8.5	-4.6
Grain mill products & starches	MC9J	7169310600	119.4	116.2	114.2	112.2p	111.6p	-1.8	-0.5	-2.5	-4.5
Bakery & farinaceous products	MC9K	7169310700	117.8	114.8	111.3	109.4p	108.3p	-1.7	-1.0	-3.4	-6.2
Other food products	MC9L	7169310800	124.7	123.4	122.1	122.7p	122.1p	0.5	-0.5	1.7	-0.2
Prepared animal feeds	MC9M	7169310900	118.1	116.2	114.8	113.7p	112.8p	-1.0	-0.8	-0.4	-2.5
Other home produced materials	MC4J	6207008200	134.9	132.6	131.9	132.0p	132.5p	0.1	0.4	2.1	2.6
Forestry products	MC75	7167202000	259.4	259.4	259.4	259.4p	259.4p	-	-	2.0	2.0
Other mining & quarrying products	MC7A	7167208000	128.6	125.2	124.2	124.3p	125.1p	0.1	0.6	2.1	2.8
Water collection, treatment & supply	MC7R	7167236000	121.3	121.3	121.3	121.3p	121.3p	-	-	2.2	2.2
Imported metals	MC4K	6207008300	130.1	132.1r	129.9	127.9p	128.9p	-1.5	0.8	7.2	7.0
Basic iron, steel & ferro alloys, tubes & pipes	MC9S	7169324130	128.4	124.5r	119.0	116.7p	119.4p	-1.9	2.3	-4.3	-1.4
Other basic metals & casting	MC9T	7169324450	131.0	135.8r	135.3	133.5p	133.6p	-1.3	0.1	13.2	11.1
Imported chemicals	MC4L	6207008400	116.4	114.2	112.2	109.6p	107.6p	-2.3	-1.8	-5.4	-7.8
Paints, varnishes & coatings, printing inks & other mastics	MC9N	7169320300	123.5	120.7	120.2	118.4p	115.9p	-1.5	-2.1	2.7	-0.5
Soap, detergents, cleaning & polishing preparations, perfumes & toilet preparations	MC9O	7169320400	115.8	114.0	113.4	110.2p	109.1p	-2.8	-1.0	0.3	-1.8

1 The Climate Change Levy was introduced in April 2001.

Source: Office for National Statistics

p = provisional
r = revised

7 Input Prices: detailed by commodity (not seasonally adjusted) - SIC 2007

continued

2010=100, SIC2007

								% change 1 month		% change 12 months	
			2019 Aug	2019 Sep	2019 Oct	2019 Nov	2019 Dec	2019 Nov	2019 Dec	2019 Nov	2019 Dec
Other chemical products	MC9P	7169320500	121.9	120.0r	117.6	115.0p	113.7p	-2.2	-1.1	-3.0	-5.1
Industrial gases, inorganic chemicals, fertilisers & nitrogen compounds	MCA3	7169420910	130.1	127.5	124.5	120.7p	118.9p	-3.1	-1.5	-8.7	-9.9
Petrochemicals & man made fibres	MCA4	7169420920	112.2	109.8	107.5	104.7p	102.2p	-2.6	-2.4	-7.5	-10.4
Dyes & pigments; pesticides & other agro-chemical products	MCA5	7169420930	110.3	108.5	107.7	106.2p	105.1p	-1.4	-1.0	-0.4	-2.4
Basic pharmaceutical products & pharmaceutical preparations	MC97	7169221000	101.7	100.6	99.8	98.4p	97.4p	-1.4	-1.0	0.3	-2.1
Rubber & plastic products	MC98	7169222000	125.0	123.1r	121.4	120.0p	118.5p	-1.2	-1.2	-1.2	-3.6
Other imported parts & equipment	MC4N	6207008520	112.7	110.9r	109.4	108.3p	107.4p	-1.0	-0.8	-	-1.7
Computer, electronic & optical products	MC99	7169226000	133.0	131.4	129.8	127.8p	126.4p	-1.5	-1.1	0.1	-1.9
Electrical equipment	MC9A	7169227000	119.9	117.9	116.2	114.7p	113.5p	-1.3	-1.0	-0.9	-2.9
Machinery & equipment n.e.c	MC9B	7169228000	121.5	119.0r	117.3	115.7p	114.5p	-1.4	-1.0	-0.3	-2.4
Motor vehicles, trailers & semi-trailers	MC9C	7169229000	99.7	97.7	96.9	97.5p	97.3p	0.6	-0.2	0.9	-0.4
Weapons & ammunition	MC9U	7169325400	93.7	92.1	91.0	89.4p	88.5p	-1.8	-1.0	-0.2	-2.2
Fabricated metal products	MC9V	7169325990	92.1	90.6	89.3	87.8p	86.9p	-1.7	-1.0	-	-2.1
Ships & boats	MC9W	7169330100	120.4	118.6	117.0	116.0p	115.3p	-0.9	-0.6	-0.9	-2.3
Aircraft, spacecraft & related machinery	MC9X	7169330300	112.0r	111.0	108.6	107.9p	106.8p	-0.6	-1.0	-0.6	-0.7
Other transport equipment	MC9Y	7169330990	115.4	114.1	112.4	111.9p	110.9p	-0.4	-0.9	-	-1.6
Other imports	MC4M	6207008510	126.6	124.5	122.2	120.4p	119.0p	-1.5	-1.2	-2.7	-4.6
Forestry products	MC8R	7169202000	143.4	138.4	135.8	134.2p	134.4p	-1.2	0.1	-3.7	-4.8
Other mining & quarrying products	MC8W	7169208000	151.2	148.6	145.2	142.8p	140.4p	-1.7	-1.7	0.1	-3.3
Tobacco products	MC8X	7169212000	106.5	103.7	101.7	99.8p	98.6p	-1.9	-1.2	-2.6	-5.6
Textiles	MC8Y	7169213000	127.6	125.7	123.3	122.0p	120.6p	-1.1	-1.1	-1.4	-3.8
Wearing apparel	MC8Z	7169214000	130.3	128.3	125.5	124.1p	122.6p	-1.1	-1.2	0.8	-0.3
Leather & related leather products	MC92	7169215000	129.2r	127.7r	125.3	124.1p	123.1p	-1.0	-0.8	-1.0	-3.0
Wood & wooden products	MC93	7169216000	117.3r	115.7	113.9	112.6p	111.3p	-1.1	-1.2	-8.8	-10.7
Paper & paper products	MC94	7169217000	119.9	117.3	115.0	112.5p	111.2p	-2.2	-1.2	-0.9	-3.6
Printing & recording services	MC95	7169218000	109.6	109.3	108.6	108.4p	108.1p	-0.2	-0.3	-0.2	-0.1
Coke & refined petroleum products	MC96	7169219000	158.6	156.3	153.5	151.6p	149.8p	-1.2	-1.2	-6.4	-6.6
Furniture	MC9D	7169231000	66.7	65.6	64.7	69.2p	68.8p	7.0	-0.6	6.0	6.2
Glass, refractory, clay other porcelain, ceramic stone & abrasive products	MC9R	7169323990	119.3	117.5	116.3	115.1p	114.2p	-1.0	-0.8	0.1	-1.7
Cement, lime, plaster & articles of concrete, cement & plaster	MC9Q	7169323560	119.2	117.5	116.2	115.1p	114.2p	-0.9	-0.8	0.1	-1.7
Alcoholic beverages	MC9Z	7169411016	115.4	113.9	112.1	110.4p	109.5p	-1.5	-0.8	0.6	-1.7
Soft drinks, mineral water & other bottled waters	MCA2	7169411070	121.9	119.1	117.1	115.1p	113.9p	-1.7	-1.0	0.4	-2.4
Other manufactured goods n.e.c	MC9E	7169232000	105.3r	103.4r	101.6	100.0p	98.1p	-1.6	-1.9	0.7	-2.1
Imported materials											
All imported materials - total (incl Crude Oil)	K64F	6207008500	115.9	115.0	112.8	112.1p	111.5p	-0.6	-0.5	-2.2	-0.8

1 The Climate Change Levy was introduced in April 2001.

Source: Office for National Statistics

p = provisional
r = revised

8R Output Prices: revisions (not seasonally adjusted) - SIC 2007

2010=100, SIC2007

	Output of manufactured products			All manufacturing excluding food, beverages, tobacco and petroleum		
	Index (2010=100)	percentage change over		Index (2010=100)	percentage change over	
		1 month	12 months		1 month	12 months
	7200700000			7200799000		
	JVZ7			K3BI		
2016 Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-
Oct	-	-	-	-	-	-
Nov	-	-	-	-	-	-
Dec	-	-	-	-	-	-
2017 Jan	-	-	-	-	-	-
Feb	-	-	-	-	-	-
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-
Oct	-	-	-	-	-	-
Nov	-	-	-	-	-	-
Dec	-	-	-	-	-	-
2018 Jan	-	-	-	-	-	-
Feb	-	-	-	-	-	-
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-
Oct	-	-	-	-	-	-
Nov	-	-	-	-	-	-
Dec	-	-	-	-	-	-
2019 Jan	-	-	-	-	-	-
Feb	-	-	-	-	-	-
Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
Jun	-	-	-	-	-	-
Jul	-	-	-	-	-	-
Aug	-	-	-	-	-	-
Sep	-	-	-	-	-	-
Oct	-	-	-	-	-	-
Nov	-	-	-	-	-	-
Dec	..	..	..	..	..	..

Please see Statistical Bulletin section entitled 'Revisions' for further information.

Source: Office for National Statistics

9R Net Sector Input Prices, including Climate Change Levy¹: revisions - SIC 2007

2010=100, SIC2007

	All manufacturing industries			All manufacturing excluding food, beverages, tobacco and petroleum industries					
	not seasonally adjusted			not seasonally adjusted			seasonally adjusted		
	Index (2010=100)	percentage change over		Index (2010=100)	percentage change over		Index (2010=100)	percentage change over	
	1 month	12 months		1 month	12 months		1 month	12 months	
	6207000050 K646			6207990050 K655			6207998950 K658		
2016 Jun	-	-	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-	-	-
Oct	-	-	-	-	-	-	-	-	-
Nov	-	-	-	-	-	-	-	-	-
Dec	-	-	-	-	-	-	-	-	-
2017 Jan	-	-	-	-	-	-	-	-	-
Feb	-	-	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-	-	-
Oct	-	-	-	-	-	-	-	-	-
Nov	-	-	-	-	-	-	-	-	-
Dec	-	-	-	-	-	-	-	-	-
2018 Jan	-	-	-	-	-	-	-	-	-
Feb	-	-	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	-	-	-
Sep	-	-	-	-	-	-	-	-	-
Oct	-	-	-	-	-	-	-	-	-
Nov	-	-	-	-	-	-	-	-	-
Dec	-	-	-	-	-	-	0.3	0.3	0.3
2019 Jan	-	-	-	-	-	-	-	-0.2	-
Feb	-	-	-	-	-	-	-	-	-
Mar	-	-	-	-	-	-	-	-	-
Apr	-	-	-	-	-	-	-	-	-
May	-	-	-	-	-	-	-	-	-
Jun	-	-	-	-	-	-	-	-	-
Jul	-	-	-	-	-	-	-	-	-
Aug	-	-	-	-	-	-	0.1	0.1	-
Sep	-	-	-	-	-	-	0.1	-	0.1
Oct	-	-	-	-	-	-	0.1	-	0.1
Nov	0.9	0.8	0.8	0.6	0.5	0.6	0.6	0.4	0.6
Dec	..	..	..	..	..	..	..	..	..

¹ The Climate Change levy was introduced in April 2001.
Please see Statistical Bulletin section entitled 'Revisions' for further information.

Source: Office for National Statistics