

Statistical bulletin

# Producer price inflation, UK: September 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).



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# 1 . Main points

- The headline rate of output inflation for goods leaving the factory gate was 1.2% on the year to September 2019, down from 1.7% in August 2019.
- The growth rate of prices for materials and fuels used in the manufacturing process was negative 2.8% on the year to September 2019, down from negative 0.9% in August 2019.
- Clothing, textiles and leather products provided the largest upward contribution to the annual rate of output inflation.
- Crude oil provided the largest downward contribution to the annual rate of input inflation.

## 2 . Things you need to know about this release

The Office for National Statistics (ONS) has published its [response](#) to the [public consultation](#) to collect users' views on possible changes to the level of detail published in the Producer Price Indices (PPI).

We remind users of the planned 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.

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

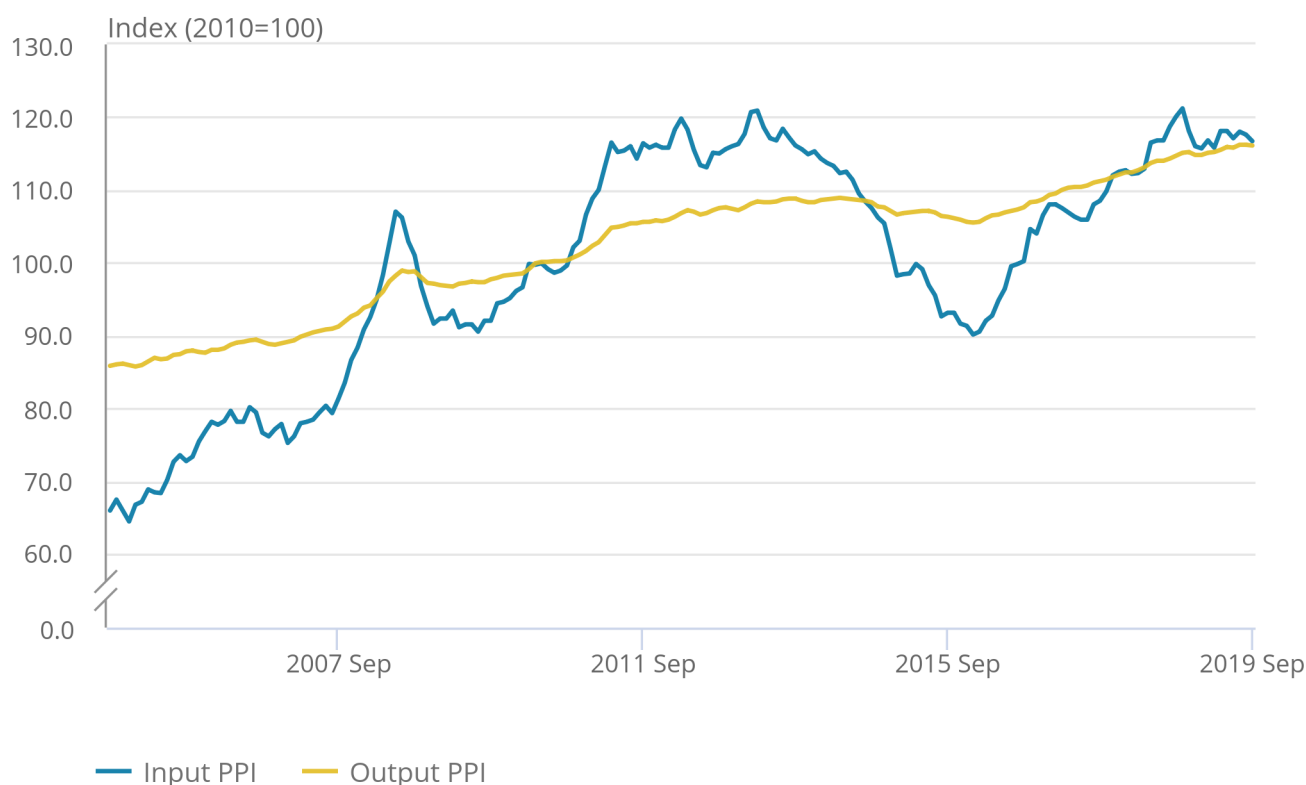
Figure 1 shows input and output Producer Price Indices (PPI) over the past 15 years. Input PPI is driven mostly by commodity prices, which tend to be more volatile over time, compared with prices for finished goods (output PPI). Input PPI is also sensitive to exchange rate movements as roughly two-thirds 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, September 2004 to September 2019

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



Source: Office for National Statistics - Producer Price Index

## 4 . Annual output inflation remains positive despite slowing down in September 2019

The annual rate of inflation for goods leaving the factory gate (output prices) slowed from 1.7% in August 2019 to 1.2% in September 2019 (Table 1). The annual rate has remained positive since July 2016, but is the lowest the rate has been since September 2016.

The monthly rate fell to a negative 0.1% in September 2019, down 0.1 percentage points from a flat zero per cent in August 2019.

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

### All manufactured products (JVZ7)

		PPI Index (2010=100)	1-month rate	12-month rate	Change in the 12-month rate (percentage points)
2018	Sept	114.7	0.3	3.1	0.1
	Oct	115.1	0.3	3.3	0.2
	Nov	115.2	0.1	3.0	-0.3
	Dec	114.8	-0.3	2.4	-0.6
2019	Jan	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
	Sept	116.1	-0.1	1.2	-0.5

Source: Office for National Statistics

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.

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

Clothing, textiles and leather products provided the largest upward contribution of 0.28 percentage points to the annual rate (Figure 2), with price growth of 2.6% on the year to September 2019 (Table 2). This is the highest the annual rate has been within this industry since November 2014 and the main contributor is wearing apparel.

Other manufactured products displayed a similar upward contribution of 0.27 percentage points to the annual rate, with annual growth of 1.8% in September 2019.

Petroleum products, and chemicals and pharmaceuticals were the only product groups to provide negative contributions to the annual rate for the third consecutive month, at 0.28 and 0.08 percentage points respectively.

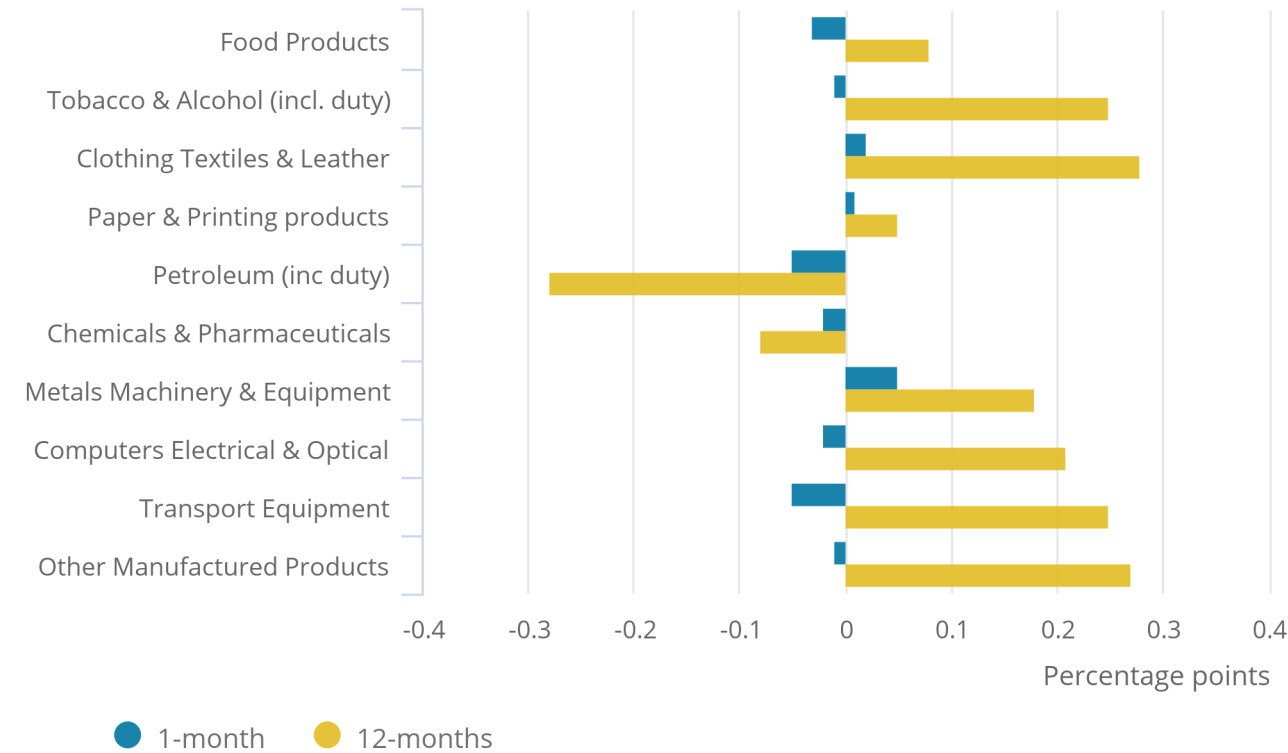
Transport equipment and petroleum both provided the largest downward contributions to the monthly rate of output inflation, each at 0.05 percentage points. The monthly rate for transport equipment fell to its lowest point since March 2015 at negative 0.4% in September 2019 while petroleum has displayed two consecutive periods of negative growth for the first time since December 2018.

**Figure 2: Eight of the ten product groups provided upward contributions to the annual rate, the largest coming from clothing, textiles and leather products**

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

Figure 2: Eight of the ten product groups provided upward contributions to the annual rate, the largest coming from clothing, textiles and leather products

Output prices contribution to 1-month and 12-month growth rate, UK, September 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 2: Output prices, growth rates, UK, September 2019

Product group	Percentage Change	
	1-month rate	12-month rate
Food products	-0.3	0.5
Tobacco and alcohol (incl. duty)	-0.1	2.6
Clothing, textile and leather	0.2	2.6
Paper and printing	0.3	1.4
Petroleum products (incl. duty)	-0.7	-3.5
Chemical and pharmaceutical	-0.3	-1.1
Metal, machinery and equipment	0.8	2.5
Computer, electrical and optical	-0.2	1.8
Transport equipment	-0.4	2.1
Other manufactured products	0.0	1.8
All manufacturing	-0.1	1.2

Source: Office for National Statistics

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

The annual rate of output inflation slowed for the second consecutive month, with 7 of the 10 product groups displaying downward contributions to the change in the rate in September 2019. Petroleum products and food products both provided the largest downward contributions to the change in the rate, each at 0.16 percentage points (Figure 3).

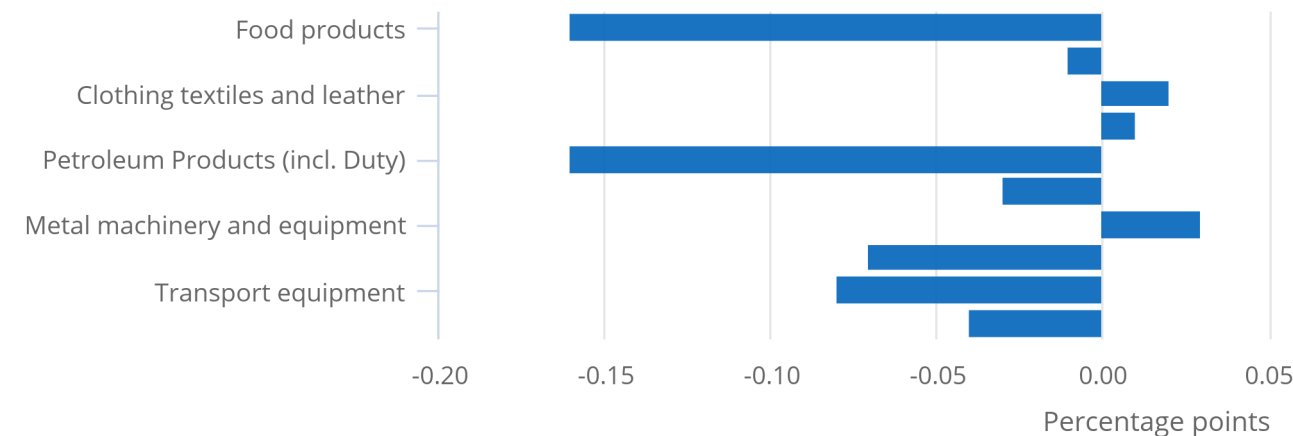
The three industries that provided small upward contributions were: metal, machinery and equipment, clothing, textiles and leather products, and paper and printing media.

**Figure 3: Petroleum and food products made the largest downward contributions to the change in the annual rate of output inflation**

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

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Output PPI, contribution to change in the annual rate, UK, September 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 displays negative growth for the second consecutive month

The annual rate of inflation for materials and fuels purchased by manufacturers (input prices) descended further into negative growth, falling 1.9 percentage points from a negative 0.9% to a negative 2.8% in September 2019, and the lowest this index has been since May 2016. This fall is driven largely by crude oil at negative 14.6% on the year, continuing five consecutive months of negative annual growth for this product group.

The one-month rate for materials and fuels purchased fell from negative 0.3% in August 2019 to negative 0.8% in September 2019 (Table 3).

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

**All materials and fuels purchased (K646)**

	<b>PPI Index (2010=100)</b>	<b>1-month rate</b>	<b>12-month rate</b>	<b>Change in the 12- month rate (percentage points)</b>
2018 Sept	120.1	1.2	10.7	0.8
Oct	121.2	0.9	10.4	-0.3
Nov	118.1	-2.6	5.4	-5.0
Dec	116.0	-1.8	3.1	-2.3
2019 Jan	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	118.0	0.8	1.0	0.7
Aug	117.6	-0.3	-0.9	-1.9
Sept	116.7	-0.8	-2.8	-1.9

Source: Office for National Statistics

The annual rate of inflation for imported materials and fuels was a negative 0.9% in September 2019 (Table 4), which is down 0.9 percentage points from August 2019. The monthly rate also slowed from 0.4% in August 2019 to a negative 0.7% in September 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 2.4% on the month to 76.6 in September 2019. This is the first positive growth in the monthly rate since March 2019 and the highest since November 2016.

On the year, the ERI displayed a negative 2.0% in September 2019 but is up from the two-year low of negative 3.4% seen in August 2019 (source: [Bank of England](#)).

All else 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, September 2018 to September 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
2018 Sept	116.1	0.3	8.9	0.3	78.2	1.0	1.4
Oct	117.1	0.9	8.7	-0.2	78.6	0.5	1.8
Nov	114.6	-2.1	4.9	-3.8	78.3	-0.4	0.9
Dec	112.4	-1.9	2.7	-2.2	76.7	-2.0	-1.9
2019 Jan	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	115.8	0.4	0.0	-0.6	74.8	-1.7	-3.4
Sept	115.0	-0.7	-0.9	-0.9	76.6	2.4	-2.0

Source: Office for National Statistics

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 September 2019 came from crude oil, which contributed 2.79 percentage points (Figure 4) and had negative annual price growth of 14.6% (Table 5). The average price for crude oil at US \$60 per barrel in September 2019 is 4.1% higher than last month but 20.3% lower than a year ago ([World Bank](#)). The base year effect of high annual inflation and a higher price this time last year has contributed to crude oil being at its lowest annual rate since May 2016.

Home food materials provided the second-largest downward contribution to the annual rate, at 1.06 percentage points with negative price growth of 7.7%. This was driven by domestic products used in the crop and animal production; hunting and related service activities, which fell to a negative 8.1% on the year and continues three months of negative growth.

The other downward contributions came from imported chemicals and fuel, at 0.23 and 0.12 percentage points respectively.

The largest upward contribution to the annual rate came from imported metals at 0.78 percentage points. Imported metal prices are up 9.9% on this time last year and the highest they have been since July 2018.

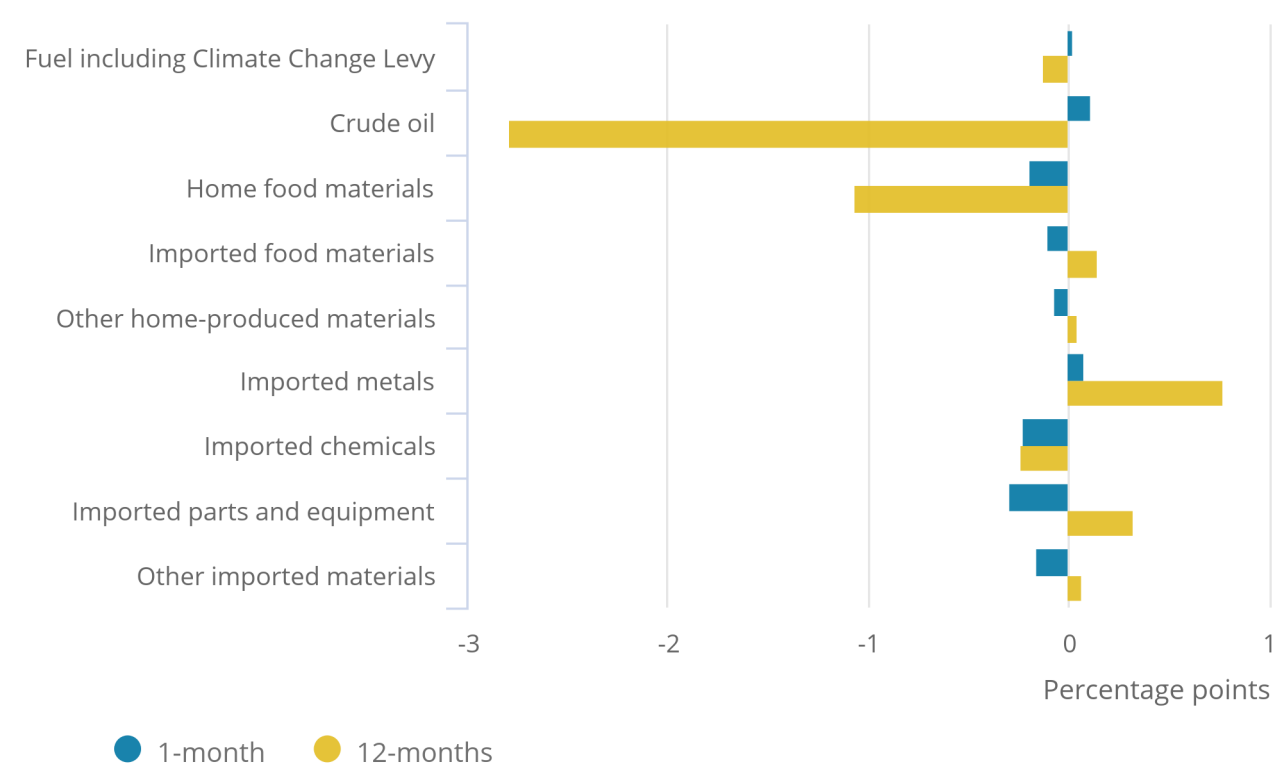
On the month, imported parts and equipment provided the largest negative contribution of 0.29 percentage points, with negative monthly growth of 1.6%.

Figure 4: Crude oil provided the largest downward contribution to the annual rate in September 2019

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

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

Product group	Percentage change	
	1-month rate	12-month rate
Fuel including Climate Change Levy	0.3	-1.1
Crude oil	0.6	-14.6
Home food materials	-1.5	-7.7
Imported food materials	-1.3	2.2
Other home-produced materials	-1.8	1.8
Imported metals	0.8	9.9
Imported chemicals	-1.5	-1.7
Imported parts and equipment	-1.6	2.0
Other imported materials	-1.7	0.8
All manufacturing	-0.8	-2.8

Source: Office for National Statistics

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 1.9 percentage point decrease in the annual rate for input prices between August 2019 and September 2019, with eight out of the nine product groups displaying downward contributions to the change in the rate. Crude oil provided the largest downward contribution of 0.60 percentage points, with fuel making the second-largest negative contribution of 0.48 percentage points.

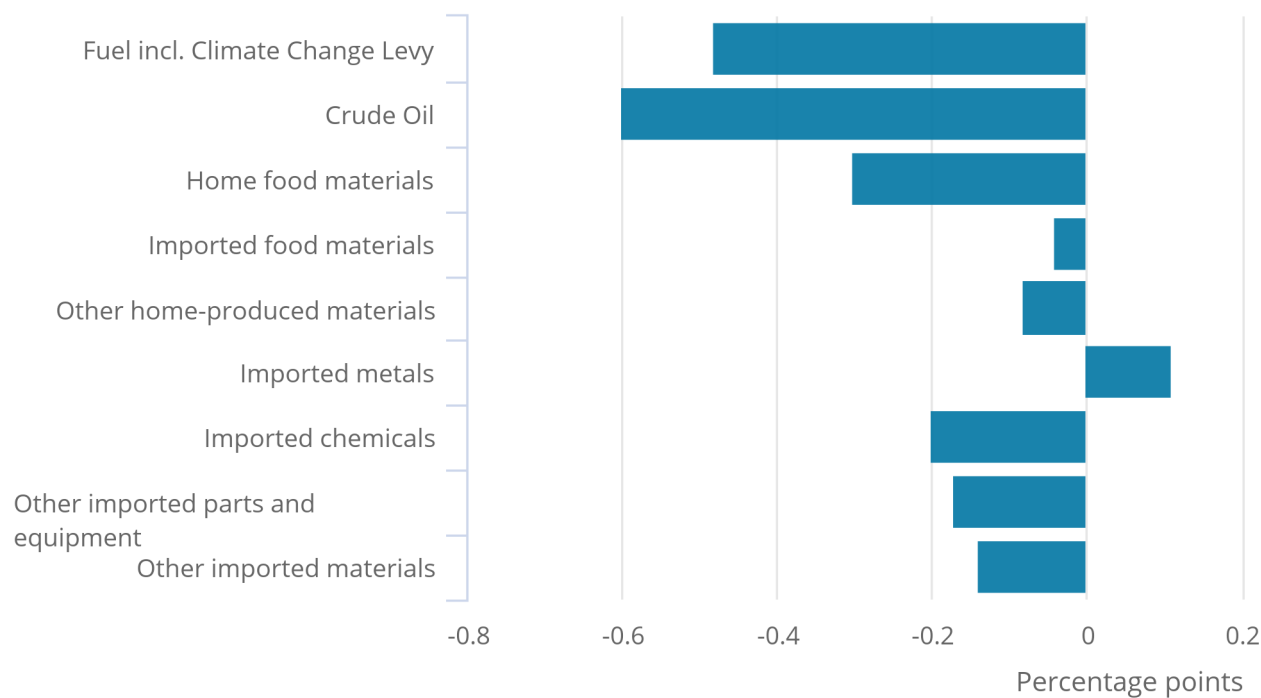
Imported metals made the only upward contribution to the change in the rate, at 0.11 percentage points.

**Figure 5: Crude oil provided the largest downward contribution to the change in the annual rate in September 2019**

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

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Input PPI, contribution to change in the annual rate, UK, September 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 early in 2020, in line with international best practice.

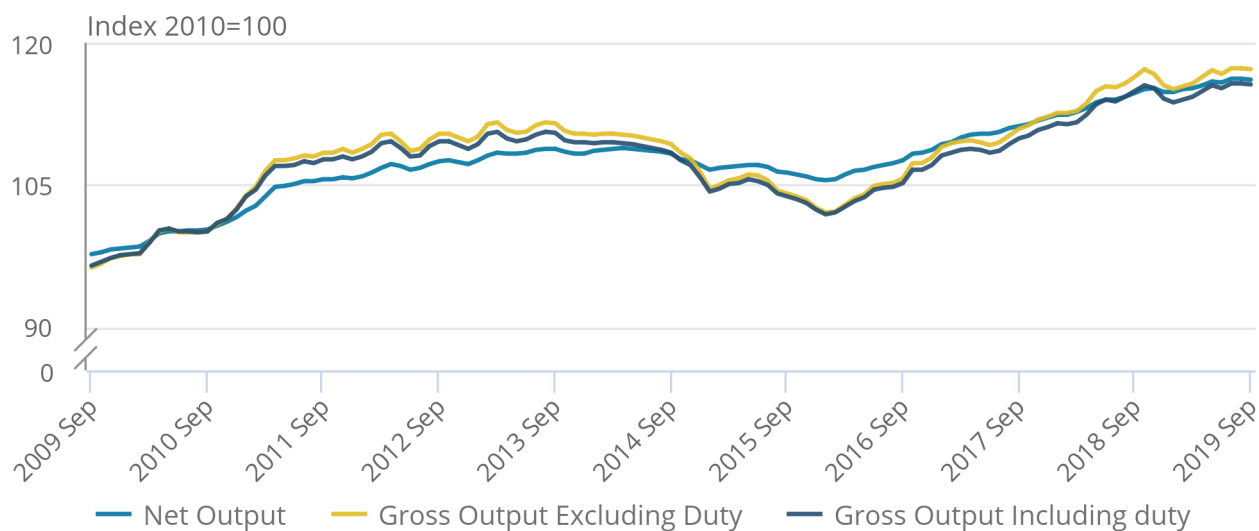
Figure 6 shows net and gross output producer price indices (PPI) over the past 10 years. In September 2019, the net output PPI was 116.1 while the gross output excluding duty PPI was 117.2.

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

Net Output vs Gross Output, UK, September 2019

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

Net Output vs Gross Output, UK, September 2019



Source: Office for National Statistics – Producer Price Index

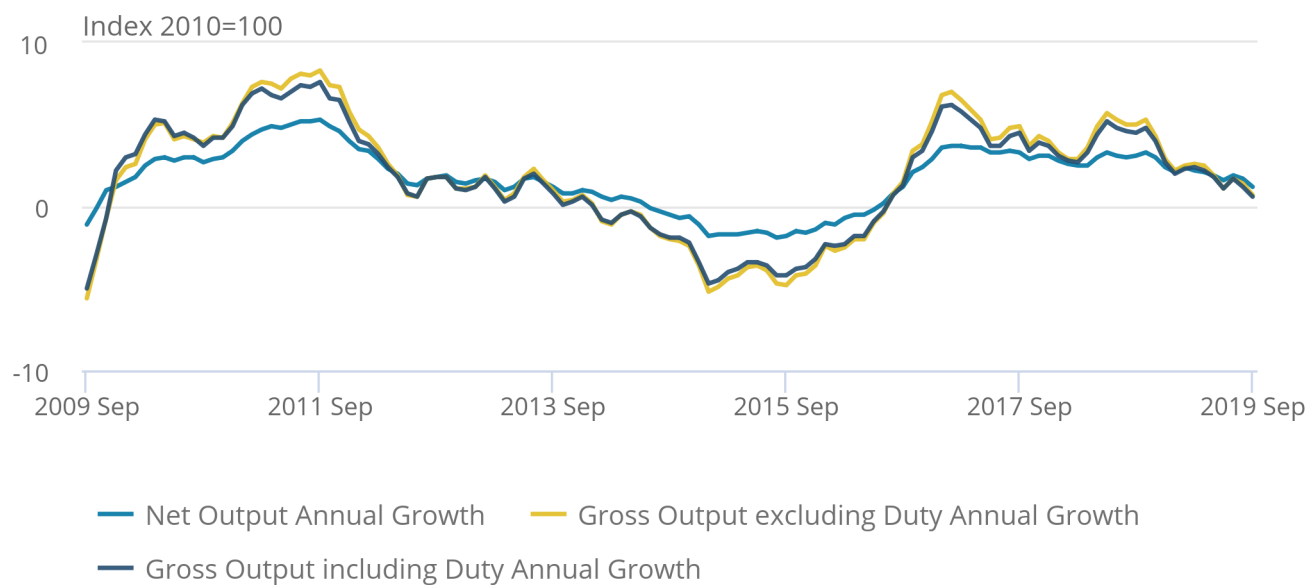
As shown in Figure 7, gross and net sector output indices display similar trends over time, although the gross indices show higher volatility, particularly at times of high inflation, either positive or negative. For net output PPI, the annual growth was 1.2% in September 2019, compared with 1.7% in August. For gross output excluding duty PPI, the annual growth in September 2019 was 0.7%, while in August it was 1.4%.

## Figure 7: Gross output shows greater volatility over time

Net output vs gross output annual growth, UK, September 2019

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Net output vs gross output annual growth, UK, September 2019



Source: Office for National Statistics – Producer Price Index

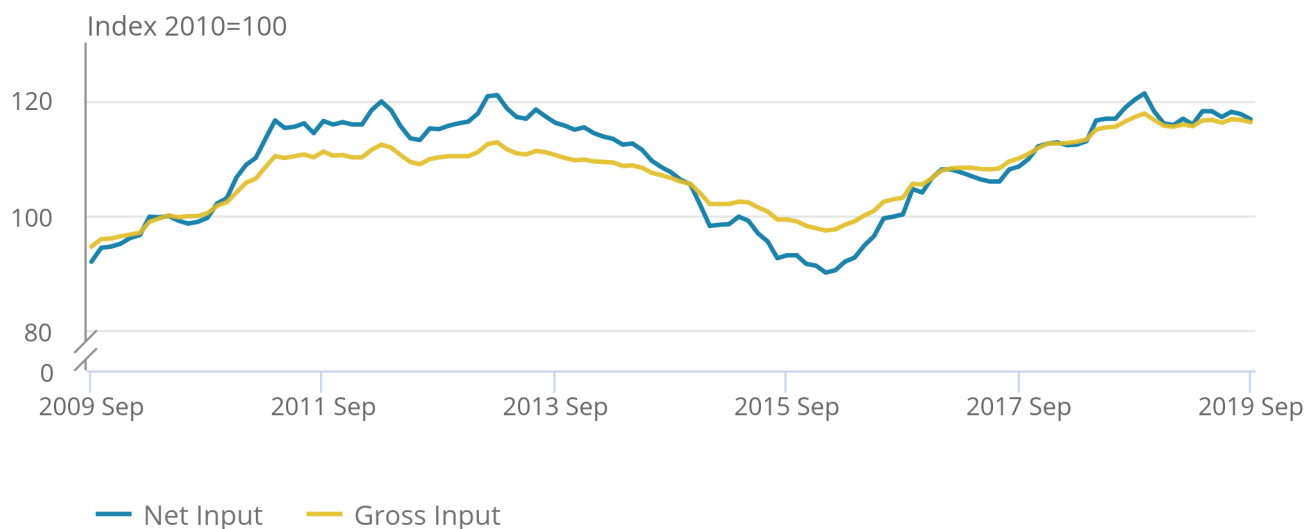
Figure 8 shows net and gross input PPI over the past 10 years. Likewise, the trends of the indices are similar, although the net input PPI appears more volatile than the gross input PPI. In September 2019, the net input PPI was 116.7 while the gross input PPI was 116.2.

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

Net input vs gross input, UK, September 2019

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

Net input vs gross input, UK, September 2019



Source: Office for National Statistics – Producer Price Index

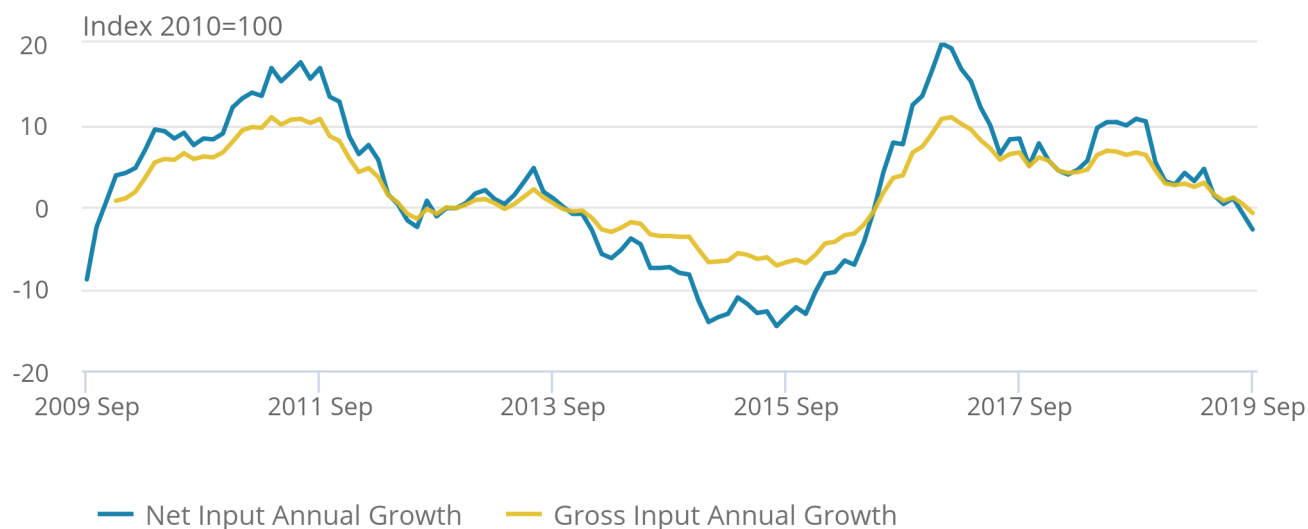
Figure 9 also shows that the net input PPI series is more volatile than gross input PPI. For net input PPI, the annual growth was negative 2.8% in September 2019, compared to negative 0.9% in August; for gross input PPI, the annual growth in September 2019 was negative 0.8%, while in August it was 0.3%.

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

Net input vs gross input annual growth, UK, September 2019

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

Net input vs gross input annual growth, UK, September 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 Index 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

The [Producer Price Index \(PPI\) Quality and Methodology Information report](#) contains important information on:

- the strengths and limitations of the data and how it compares with related data
- uses and users of the data
- how the output was created
- the quality of the output including the accuracy of the data

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 P [PI 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		
	percentage change over		percentage change over		percentage change over		percentage change over					
	Index (2010=100)	1 mth	12 mths	Index (2010=100)	1 mth	12 mths	Index (2010=100)	1 mth	12 mths	Index (2010=100)	1 mth	12 mths
	7200700000			7200799000			7111101280			7112190080		
	JVZ7			K3BI			K65A			K37Y		
2019 Mar	115.2	0.1	2.2	113.8	-0.1	2.2	119.0	0.3	1.5	103.8	0.9	4.4
Apr	115.5	0.3	2.1	114.0	0.2	2.2	119.3	0.3	1.5	105.9	2.0	3.5
May	115.9	0.3	1.9	114.1	0.1	2.0	119.7	0.3	2.0	108.3	2.3	0.9
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	116.2p	-	1.7	114.8p	0.2	2.0	119.3p	-0.3	1.9	107.5p	-0.1	-1.5
Sep	116.1p	-0.1	1.2	114.7p	-0.1	1.7	119.0p	-0.3	0.8	106.8p	-0.7	-3.5

p = provisional  
r = revised

Source: Office for National Statistics

## 2 Net Sector Input Prices, including Climate Change Levy<sup>1</sup>: 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 Mar	115.8	−0.9	3.1	114.1	−	2.8	130.7	−7.2	5.7
Apr	118.1	2.0	4.6	116.2	1.8	3.9	135.1	3.4	10.6
May	118.1	−	1.4	116.8	0.5	0.8	129.7	−4.0	6.7
Jun	117.1	−0.8	0.3	115.7r	−0.9	−0.3	130.1	0.3	5.8
Jul	118.0	0.8	1.0	116.6	0.8	0.2	130.0	−0.1	7.3
Aug	117.6p	−0.3	−0.9	116.2p	−0.3	−1.4	129.7p	−0.2	3.5
Sep	116.7p	−0.8	−2.8	115.2p	−0.9	−3.0	130.1p	0.3	−1.1

<sup>1</sup> 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 <sup>1</sup>		
	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 Mar	106.1	0.5	-0.7	106.2	0.1	0.3	106.6	0.4	-0.7
Apr	106.5	0.4	-0.5	106.4	0.2	0.5	107.0	0.4	-0.4
May	106.6	0.1	-0.5	106.5	0.1	0.6	107.0	-	-0.4
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	116.2p	-	1.7	114.8p	0.2	2.0	116.4p	-	1.7
Sep	116.1p	-0.1	1.2	114.7p	-0.1	1.7	116.3p	-0.1	1.3

<sup>1</sup> 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 Aug	2019 Sep	
								2019 May	2019 Jun	2019 Jul	2019 Aug	2019 Sep
<b>Net sector</b>												
Output of manufactured products	JVZ7	7200700000	115.9	115.8	116.2	116.2p	116.1p	–	–0.1	1.7	1.2	
All manufacturing, excluding duty	JVZ8	7200700010	116.0	115.9	116.4	116.4p	116.3p	–	–0.1	1.7	1.3	
All manufacturing, excluding food, beverages, tobacco and petroleum	K3BI	7200799000	114.1	114.2	114.6	114.8p	114.7p	0.2	–0.1	2.0	1.7	
<b>Gross Sector</b>												
Food products, beverages and tobacco, including duty	K65A	7111101280	119.7	119.7	119.6	119.3p	119.0p	–0.3	–0.3	1.9	0.8	
Food products	K37L	7112100000	118.8	118.8	119.0	118.5p	118.2p	–0.4	–0.3	1.6	0.5	
Tobacco products, including duty	K37Q	7112120080	175.5	175.5	175.5	175.5p	175.5p	–	–	4.1	4.1	
Alcoholic beverages, including duty	MC6A	7229110080	112.7B	112.7B	113.2B	113.4pB	113.3pB	0.2	–0.1	1.7	1.5	
Soft drinks, mineral waters and other bottled waters	JU5C	1107000000	113.1B	113.5rB	107.5B	107.1pB	107.1pB	–0.4	–	3.6	–	
Textiles	K37R	7112130000	117.4	117.6r	118.0	118.1p	118.1p	0.1	–	3.6	3.6	
Wearing apparel	K37S	7112140000	119.0	119.1	119.2	119.4p	119.8p	0.2	0.3	2.6	2.9	
Leather and related products	K37T	7112150000	126.8	122.9	124.3	124.3p	124.3p	–	–	0.6	0.5	
Wood and products of wood and cork, except furniture	K37U	7112160000	130.5	131.2	131.1	130.9p	131.0p	–0.2	0.1	2.0	1.8	
Paper and paper products	K37V	7112170000	114.7r	114.1r	114.4	114.1p	114.2p	–0.3	0.1	1.2	1.4	
Printing and recording services	K37W	7112180000	104.8	104.5	104.7	104.6p	105.2p	–0.1	0.6	1.1	1.3	
Coke and refined petroleum products, including duty	K37Y	7112190080	108.3	106.1	107.6	107.5p	106.8p	–0.1	–0.7	–1.5	–3.5	
Chemicals and chemical products	K37Z	7112200000	113.7	113.5r	113.3	113.4p	113.0p	0.1	–0.4	–0.7	–2.0	
Basic pharmaceutical products and pharmaceutical preparations	K382	7112210000	113.4	113.5	113.5	113.7p	113.5p	0.2	–0.2	–0.4	0.1	
Rubber and plastic products	K383	7112220000	117.2r	117.3r	117.3	117.5p	117.5p	0.2	–	2.0	1.8	
Other non-metallic mineral products	K384	7112230000	122.6r	122.6r	123.1	123.0p	122.7p	–0.1	–0.2	3.6	3.4	
Basic metals	K385	7112240000	117.4	116.8r	116.8	117.0p	117.3p	0.2	0.3	–0.5	0.1	
Fabricated metal products, except machinery and equipment	K386	7112250000	116.8	117.2	117.0	117.2p	119.1p	0.2	1.6	3.0	3.6	
Computer, electronic and optical products	K387	7112260000	105.4	105.3	105.6	105.6p	105.7p	–	0.1	2.3	1.8	
Electrical equipment	K388	7112270000	109.0	111.7	112.6	112.6p	111.4p	–	–1.1	2.5	1.6	
Machinery and equipment n.e.c.	K389	7112280000	119.2	119.3	119.6	120.0p	120.0p	0.3	–	1.5	1.7	
Motor vehicles, trailers and semi-trailers	K38A	7112290000	109.6	109.9	110.0	110.3p	109.8p	0.3	–0.5	1.8	1.1	
Other transport equipment	K38B	7112300000	116.9	116.8	120.7	121.2p	120.9p	0.4	–0.2	4.6	4.6	
Furniture	K38C	7112310000	117.0	117.1	117.0	117.2p	117.1p	0.2	–0.1	0.2	0.9	
Other manufactured goods	K38D	7112320000	112.8	113.1r	114.2	113.7p	113.7p	–0.4	–	2.1	1.7	
Repair and installation services of machinery and equipment	K38E	7112330000	129.7	129.8	130.2	130.7p	130.3p	0.4	–0.3	1.9	2.0	

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 Levy<sup>1</sup>: 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	Mar	92.0	1.7	-6.6	99.0	0.5	-2.8	98.4	0.2	-2.5
	Apr	92.7	0.8	-7.1	99.3	0.3	-2.2	99.2	0.8	-1.8
	May	94.8	2.3	-4.3	98.9	-0.4	-1.9	99.5	0.3	-1.3
	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	117.3	-0.5	5.6
	Nov	118.1	-2.6	5.4	117.4	-0.5	4.2	116.7	-0.5	4.2
	Dec	116.0	-1.8	3.1	118.1	0.6	4.7	117.4	0.6	4.4
2019	Jan	115.7	-0.3	2.7	117.8	-0.3	4.5	117.3	-0.1	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	117.8r	0.7	2.1	118.5r	0.3	2.1
	Jul	118.0	0.8	1.0	119.1	1.1	2.9	119.5	0.8	2.8
	Aug	117.6p	-0.3	-0.9	120.4p	1.1	2.6	119.7p	0.2	2.3
	Sep	116.7p	-0.8	-2.8	119.3p	-0.9	1.1	119.1p	-0.5	1.0

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 Levy<sup>1</sup>: Materials and Fuels purchased by selected industries (not seasonally adjusted) - SIC 2007

2010=100, SIC2007

								% change 1 month		% change 12 months	
			2019 May	2019 Jun	2019 Jul	2019 Aug	2019 Sep	2019 Aug	2019 Sep	2019 Aug	2019 Sep
Gross sector											
Other mining & quarrying products <sup>2</sup>	MC3K	6107208000	124.5r	125.8	126.7	127.4p	125.7p	0.6	−1.3	3.6	1.5
Manufacture of food products, beverages, tobacco	MC35	6107110120	122.3r	122.2	122.1	121.0p	120.2p	−0.9	−0.7	−	−1.6
Preserved meat & meat products	MC3V	6107310100	123.9	124.0	123.5	121.8p	120.9p	−1.4	−0.7	−0.8	−2.0
Fish, crustaceans, molluscs, fruit & vegetables	MB4X	6107310230	126.1	124.7r	126.0	123.0p	121.4p	−2.4	−1.3	0.9	−1.5
Vegetable & animal oils and fats	MC3W	6107310400	128.2r	126.3	126.6	126.0p	125.2p	−0.5	−0.6	2.2	−3.4
Dairy products	MC3X	6107310500	126.7	126.7	125.8	123.6p	122.3p	−1.7	−1.1	−3.3	−4.8
Grain mill products, starches & starch products	MC3Y	6107310600	123.1	123.0	122.5	121.4p	120.4p	−0.9	−0.8	−0.6	−2.0
Bakery & farinaceous products	MC3Z	6107310700	119.0r	118.9	119.2	119.4p	118.9p	0.2	−0.4	2.0	0.3
Other food products	MB4Y	6107310800	117.9r	118.0r	118.2	117.8p	117.2p	−0.3	−0.5	0.1	−1.1
Animal feeds	MC42	6107310900	121.7	121.5	121.4	120.9p	120.2p	−0.4	−0.6	1.4	−0.4
Alcoholic Beverages	MB55	6107411016	117.2	117.2	117.7	118.0p	117.5p	0.3	−0.4	2.3	1.0
Soft drinks; mineral waters & other bottled waters	MC4D	6107411070	115.0	115.3r	115.5	115.8p	115.3p	0.3	−0.4	1.7	0.9
Tobacco products	MC3M	6107212000	156.4	156.5	156.7	156.9p	156.6p	0.1	−0.2	1.0	0.4
Manufacture of textiles & textile products; clothing	MC36	6107113140	117.6	117.8	118.2	118.6p	118.2p	0.3	−0.3	2.2	1.4
Textiles	MB4P	6107213000	117.1	117.2	117.6	118.0p	117.5p	0.3	−0.4	1.6	0.6
Wearing apparel	MC3N	6107214000	118.4	118.7r	119.2	119.6p	119.3p	0.3	−0.3	3.3	2.7
Manufacture of leather & related products	MC3O	6107215000	119.7	119.2	119.8	119.7p	119.3p	−0.1	−0.3	1.8	1.2
Manufacture of wood & wood products	MC3P	6107216000	129.9	130.3	130.0	130.1p	129.7p	0.1	−0.3	1.2	0.5
Manufacture of pulp, paper & paper products, recording media & printing services	MC39	6107117180	115.9	116.0	116.2	116.5p	116.1p	0.3	−0.3	1.5	0.6
Pulp, paper & paper products	MB4Q	6107217000	116.9	117.0	117.1	117.3p	116.9p	0.2	−0.3	1.0	−
Printing & recording services	MC3Q	6107218000	114.7	114.9	115.2	115.4p	115.1p	0.2	−0.3	1.9	1.3
Manufacture of coke & refined petroleum products	MC3R	6107219000	111.9	104.8	105.7	102.8p	103.2p	−2.7	0.4	−9.5	−12.3
Manufacture of chemicals, chemical products & man-made fibres	MC3B	6107120000	115.0	114.8r	114.9	115.2p	114.3p	0.3	−0.8	−1.3	−2.9
Paints, varnishes & similar coatings, printing ink & mastics	MC43	6107320300	116.0	116.0r	116.0	116.3p	115.5p	0.3	−0.7	−0.4	−2.1
Soaps, detergents, cleaning & polishing preparations perfumes & toilet preparations	MC44	6107320400	114.8	114.9	115.2	115.6p	115.0p	0.3	−0.5	1.0	−0.3
Other chemical products	MC45	6107320500	116.5	116.1	116.5	116.8p	116.2p	0.3	−0.5	0.2	−1.4
Industrial gases; other basic inorganic chemicals; fertilisers & nitrogen compounds	MC4E	6107420910	117.9	118.1	118.5	118.9p	117.7p	0.3	−1.0	0.1	−1.9
Petrochemicals & man made fibres	MC4F	6107420920	114.1	113.9r	113.8	114.1p	113.1p	0.3	−0.9	−2.0	−3.5
Dyes & pigments: pesticides & other agrochemical products	MC4G	6107420930	117.7	116.8	116.7	116.6p	116.1p	−0.1	−0.4	−3.4	−5.2
Manufacture of basic pharmaceutical products & pharmaceutical preparations	MC3S	6107221000	112.3	112.5	112.7	113.1p	112.6p	0.4	−0.4	−	−0.5
Manufacture of rubber & plastic products	MB4R	6107222000	115.5	115.6	115.7	116.0p	115.3p	0.3	−0.6	−0.2	−1.5
Manufacture of cement, lime & plaster	MC46	6107323560	122.2r	122.8	123.5	123.9p	122.9p	0.3	−0.8	2.4	0.5
Manufacture of glass, refractory, clay, other porcelain, ceramic stone products	MB4Z	6107323990	118.3	118.6	119.2	119.7p	118.8p	0.4	−0.8	0.7	−1.2

<sup>1</sup> 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

<sup>2</sup> Indices includes the Aggregate Levy which was introduced in April 2002.

p = provisional  
r = revised

# 6 Input Prices, excluding Climate Change Levy<sup>1</sup>: Materials and Fuels purchased by selected industries (not seasonally adjusted) - SIC 2007

continued

2010=100, SIC2007

								% change 1 month		% change 12 months	
			2019 May	2019 Jun	2019 Jul	2019 Aug	2019 Sep	2019 Aug	2019 Sep	2019 Aug	2019 Sep
Manufacture of basic metals & fabricated products	MC3F	6107124250	117.1r	116.8r	117.6	118.1p	118.5p	0.4	0.3	1.4	1.2
Basic iron, steel & alloys: tubes, pipes, hollow profiles	MC47	6107324130	119.8	119.0	119.3	119.5p	119.0p	0.2	-0.4	-0.7	-2.0
Other basic metals & casting	MB52	6107324450	115.4r	114.2	116.1	116.6p	117.6p	0.4	0.9	1.3	1.8
Weapons & ammunition	MC48	6107325400	113.6	114.1	114.4	114.8p	119.0p	0.3	3.7	2.1	5.4
Fabricated metal products, excluding machinery & equipment & weapons & ammunition	MB53	6107325990	117.2	117.4r	118.0	118.6p	118.6p	0.5	-	2.1	1.6
Manufacture of computer, electronic and optical products, electrical equipment	MC3G	6107126270	114.1	114.8r	115.5	116.1p	115.6p	0.5	-0.4	2.4	1.8
Computer, electronic & optical products	MB4S	6107226000	113.8r	114.4r	115.1	115.7p	115.3p	0.5	-0.3	2.7	2.1
Electrical equipment	MB4T	6107227000	114.7	115.3	116.0	116.6p	116.1p	0.5	-0.4	1.8	1.3
Manufacture of machinery & equipment n.e.c	MB4U	6107228000	116.3	116.7	117.2	117.9p	117.6p	0.6	-0.3	2.2	1.6
Manufacturing of motor vehicles & other transport equipment	MC3I	6107129300	112.9	113.3	114.3	115.0p	114.6p	0.6	-0.3	2.5	2.0
Motor vehicles, trailers & semi trailers	MB4V	6107229000	111.1	111.5	111.9	112.5p	112.1p	0.5	-0.4	1.7	1.3
Ships & boats	MC49	6107330100	117.2	117.8	118.1	118.5p	118.1p	0.3	-0.3	1.7	1.3
Aircraft & spacecraft & related machinery	MC4A	6107330300	119.4	119.8r	123.7	124.4p	124.1p	0.6	-0.2	5.3	5.0
Other transport equipment	MB54	6107330990	114.6r	114.7	115.1	115.5p	115.2p	0.3	-0.3	1.8	1.3
Manufacture of other manufactured goods n.e.c	MC3J	6107131330	119.2	119.7	120.9	121.4p	121.0p	0.4	-0.3	2.5	2.1
Furniture	MC3T	6107231000	119.1	119.3	119.5	119.8p	119.4p	0.3	-0.3	1.1	0.7
Other manufacturing	MB4W	6107232000	116.0	116.8	117.6	118.3p	117.7p	0.6	-0.5	2.9	2.1
Repair of maintenance of ships & boats	MC4H	6107433150	117.8	118.6r	118.8	119.2p	118.8p	0.3	-0.3	1.9	1.5
Repair & maintenance services of aircraft & spacecraft	MC4I	6107433160	129.9	130.3	134.3	135.1p	134.6p	0.6	-0.4	4.8	4.8
Other repair; installation	MB56	6107433990	113.6	114.3r	114.9	115.5p	115.0p	0.5	-0.4	2.1	1.6

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 May	2019 Jun	2019 Jul	2019 Aug	2019 Sep	2019 Aug	2019 Sep	2019 Aug	2019 Sep
<b>Fuel incl. CCL<sup>1</sup></b>	<b>K647</b>	6207000060	129.7	130.1	130.0	129.7p	130.1p	-0.2	0.3	3.5	-1.1
Domestic coal & lignite incl. CCL	<b>MC78</b>	7167205005	119.5	120.0	121.4	121.4p	121.4p	-	-	-2.5	-3.1
Imported coal & lignite incl. CCL	<b>MC8U</b>	7169205005	120.8	125.1	139.2	139.2p	139.2p	-	-	18.3	1.4
Electricity incl. CCL	<b>MC8F</b>	7167335105	140.5	144.1	142.6	142.7p	142.6p	0.1	-0.1	15.4	11.4
Gas incl. CCL	<b>MC8H</b>	7167335235	112.3	107.0	108.9	108.0p	109.2p	-0.8	1.1	-15.6	-20.5
<b>Fuel excl. CCL</b>	<b>K645</b>	6207000020	126.5	127.6	127.5	127.3p	127.6p	-0.2	0.2	2.4	-2.7
Domestic coal & lignite excl. CCL	<b>MC77</b>	7167205000	119.9	119.9	121.1	121.1p	121.1p	-	-	-3.5	-4.1
Imported coal & lignite excl. CCL	<b>MC8T</b>	7169205000	119.7	124.1	138.4	138.5p	138.4p	0.1	-0.1	17.2	0.2
Electricity excl. CCL	<b>MC8E</b>	7167335100	137.9	142.6	140.5	140.5p	140.4p	-	-0.1	14.0	10.1
Gas excl. CCL	<b>MC8G</b>	7167335230	108.3	103.2	106.1	105.6p	106.6p	-0.5	0.9	-16.9	-22.8
<b>Crude petroleum oils &amp; metal ores</b>	<b>MC4P</b>	6207008700	109.6	101.4	102.2	98.6p	99.2p	-3.5	0.6	-11.7	-14.6
Domestic crude oil & metal ores	<b>MC79</b>	7167206070	109.5	100.0	101.1	97.9p	96.9p	-3.2	-1.0	-11.8	-16.8
Imported crude oil & metal ores	<b>MC8V</b>	7169206070	109.6	102.0	102.7	98.9p	100.3p	-3.7	1.4	-11.7	-13.5
<b>Food manufacturing:</b>											
<b>Home produced food materials</b>	<b>MB57</b>	6207008100	130.0	128.9	127.5	123.3p	121.5p	-3.3	-1.5	-5.5	-7.7
Agricultural crop products	<b>MC74</b>	7167201000	129.9	129.2	127.3	123.6p	122.0p	-2.9	-1.3	-6.1	-8.1
Fish & other fish products	<b>MC76</b>	7167203000	132.1r	124.2r	131.4	118.6p	114.1p	-9.7	-3.8	5.5	-1.1
<b>Imported food materials</b>	<b>MC4O</b>	6207008600	124.2r	126.5r	127.1	127.3p	125.6p	0.2	-1.3	2.7	2.2
Agricultural crop products	<b>MC8Q</b>	7169201000	130.8r	133.5r	133.3	132.2p	129.8p	-0.8	-1.8	1.7	1.9
Fish & fish products	<b>MC8S</b>	7169203000	162.8	166.1	168.3	172.3p	169.6p	2.4	-1.6	2.1	0.8
Meat & meat products	<b>MC9F</b>	7169310100	115.6r	115.7r	116.3	116.4p	117.3p	0.1	0.8	6.6	4.7
Processed fish & fish products; fruit & vegetables	<b>MC9G</b>	7169310230	138.3	138.6	140.0	141.8p	139.9p	1.3	-1.3	5.9	5.0
Vegetable, animal oils & fats	<b>MC9H</b>	7169310400	106.8	113.0r	113.9	114.8p	112.5p	0.8	-2.0	3.2	2.4
Dairy products	<b>MC9I</b>	7169310500	123.6	123.2	126.4	127.3p	127.3p	0.7	-	-5.8	-4.9
Grain mill products & starches	<b>MC9J</b>	7169310600	113.6	115.3	117.0	119.3p	116.3p	2.0	-2.5	3.7	1.6
Bakery & farinaceous products	<b>MC9K</b>	7169310700	112.1r	114.2	115.3	117.7p	115.6p	2.1	-1.8	2.3	1.0
Other food products	<b>MC9L</b>	7169310800	120.3r	121.5r	123.1	124.3p	123.0p	1.0	-1.0	2.1	1.3
Prepared animal feeds	<b>MC9M</b>	7169310900	114.1	115.6	116.5	118.3p	116.2p	1.5	-1.8	2.0	0.8
<b>Other home produced materials</b>	<b>MC4J</b>	6207008200	132.0	134.3	134.9	135.4p	133.0p	0.4	-1.8	4.2	1.8
Forestry products	<b>MC75</b>	7167202000	266.0	266.0	266.0	266.0p	266.0p	-	-	4.6	4.6
Other mining & quarrying products	<b>MC7A</b>	7167208000	123.7r	127.1	128.0	128.6p	125.1p	0.5	-2.7	4.8	1.0
Water collection, treatment & supply	<b>MC7R</b>	7167236000	121.3	121.3	121.3	121.3p	121.3p	-	-	2.2	2.2
<b>Imported metals</b>	<b>MC4K</b>	6207008300	120.7r	121.7r	126.9	130.2p	131.3p	2.6	0.8	8.3	9.9
Basic iron, steel & ferro alloys, tubes & pipes	<b>MC9S</b>	7169324130	121.7r	122.4r	125.9	128.7p	124.8p	2.2	-3.0	0.2	-0.6
Other basic metals & casting	<b>MC9T</b>	7169324450	120.2r	121.4r	127.4	131.0p	134.6p	2.8	2.7	12.8	15.5
<b>Imported chemicals</b>	<b>MC4L</b>	6207008400	113.7	114.9r	115.4	116.4p	114.6p	0.9	-1.5	-0.3	-1.7
Paints, varnishes & coatings, printing inks & other mastics	<b>MC9N</b>	7169320300	112.4	120.6	122.1	124.1p	121.9p	1.6	-1.8	11.1	10.3
Soap, detergents, cleaning & polishing preparations, perfumes & toilet preparations	<b>MC9O</b>	7169320400	108.7	109.8	114.6	116.2p	114.1p	1.4	-1.8	5.4	4.1

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 May	2019 Jun	2019 Jul	2019 Aug	2019 Sep	2019 Aug	2019 Sep	2019 Aug	2019 Sep
Other chemical products	MC9P	7169320500	117.5	119.0	119.1	121.0p	119.4p	1.6	-1.3	1.6	0.4
Industrial gases, inorganic chemicals, fertilisers & nitrogen compounds	MCA3	7169420910	125.0	126.9r	128.1	129.4p	127.5p	1.0	-1.5	-1.8	-3.2
Petrochemicals & man made fibres	MCA4	7169420920	111.4r	111.9r	111.7	112.4p	110.4p	0.6	-1.8	-2.9	-4.5
Dyes & pigments; pesticides & other agro-chemical products	MCA5	7169420930	106.6r	107.9r	108.8	110.4p	108.5p	1.5	-1.7	3.4	1.9
Basic pharmaceutical products & pharmaceutical preparations	MC97	7169221000	96.7	98.5	99.3	101.0p	99.5p	1.7	-1.5	1.7	0.6
Rubber & plastic products	MC98	7169222000	120.4	121.9r	123.7	125.1p	123.6p	1.1	-1.2	5.3	3.6
<b>Other imported parts &amp; equipment</b>	MC4N	6207008520	108.7	110.0r	111.1	112.7p	110.9p	1.4	-1.6	3.0	2.0
Computer, electronic & optical products	MC99	7169226000	127.6r	129.2r	131.0	133.0p	131.6p	1.5	-1.1	3.7	3.1
Electrical equipment	MC9A	7169227000	115.4r	116.8r	118.0	119.9p	118.0p	1.6	-1.6	3.5	2.5
Machinery & equipment n.e.c	MC9B	7169228000	116.4r	118.4r	119.5	121.5p	118.9p	1.7	-2.1	3.6	1.8
Motor vehicles, trailers & semi-trailers	MC9C	7169229000	98.1	98.2	98.6	99.7p	97.8p	1.1	-1.9	0.8	0.4
Weapons & ammunition	MC9U	7169325400	89.8	91.3	92.3	93.8p	92.2p	1.6	-1.7	3.9	2.4
Fabricated metal products	MC9V	7169325990	88.1	89.6	90.7	92.2p	90.7p	1.7	-1.6	4.1	2.8
Ships & boats	MC9W	7169330100	116.8	117.9r	119.0	120.3p	118.5p	1.1	-1.5	2.5	0.8
Aircraft, spacecraft & related machinery	MC9X	7169330300	108.7r	108.9r	110.5	111.9p	110.8p	1.3	-1.0	2.8	1.7
Other transport equipment	MC9Y	7169330990	112.3r	112.8r	113.8	115.4p	114.1p	1.4	-1.1	2.8	2.1
<b>Other imports</b>	MC4M	6207008510	122.4	123.5r	124.5	126.6p	124.4p	1.7	-1.7	2.5	0.8
Forestry products	MC8R	7169202000	140.0r	141.1r	142.0	143.4p	138.4p	1.0	-3.5	4.5	-1.2
Other mining & quarrying products	MC8W	7169208000	143.0	145.1	147.5	151.2p	148.4p	2.5	-1.9	5.8	5.1
Tobacco products	MC8X	7169212000	101.2	103.5	104.4	106.5p	103.8p	2.0	-2.5	3.8	1.5
Textiles	MC8Y	7169213000	123.1r	124.0r	125.5	127.6p	125.6p	1.7	-1.6	4.2	1.7
Wearing apparel	MC8Z	7169214000	124.7r	125.9r	127.7	130.2p	128.2p	2.0	-1.5	5.3	3.8
Leather & related leather products	MC92	7169215000	125.2	126.9r	127.9	130.4p	128.3p	2.0	-1.6	3.4	2.5
Wood & wooden products	MC93	7169216000	120.1	120.5	117.0	117.1p	115.5p	0.1	-1.4	-5.6	-6.6
Paper & paper products	MC94	7169217000	114.1	116.0	117.9	119.9p	117.4p	1.7	-2.1	5.3	2.9
Printing & recording services	MC95	7169218000	108.7r	108.7r	109.2	109.5p	109.3p	0.3	-0.2	0.7	0.6
Coke & refined petroleum products	MC96	7169219000	154.9r	153.6r	155.9	158.6p	156.4p	1.7	-1.4	-0.1	-1.8
Furniture	MC9D	7169231000	63.9	64.9	65.6	66.7p	65.6p	1.7	-1.6	1.7	0.2
Glass, refractory, clay other porcelain, ceramic stone & abrasive products	MC9R	7169323990	115.8	117.4r	117.8	119.3p	117.5p	1.3	-1.5	3.0	1.6
Cement, lime, plaster & articles of concrete, cement & plaster	MC9Q	7169323560	115.8	117.3	117.7	119.2p	117.4p	1.3	-1.5	3.0	1.6
Alcoholic beverages	MC9Z	7169411016	108.8	112.8	113.8	115.6p	114.9p	1.6	-0.6	5.6	3.9
Soft drinks, mineral water & other bottled waters	MCA2	7169411070	113.4	118.6	119.8	121.9p	119.5p	1.8	-2.0	5.0	3.0
Other manufactured goods n.e.c	MC9E	7169232000	99.4r	100.9r	102.1	104.8p	103.3p	2.6	-1.4	3.9	4.0
<b>Imported materials</b>											
All imported materials - total (incl Crude Oil)	K64F	6207008500	114.5r	114.0r	115.3	115.8p	115.0p	0.4	-0.7	-	-0.9

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 Mar	-	-	-	-	-	-
Apr	-	-	-	-	-	-
May	-	-	-	-	-	-
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	0.1	0.1	0.1	-	-	-
Sep	..	..	..	..	..	..

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

Source: Office for National Statistics

# 9R Net Sector Input Prices, including Climate Change Levy<sup>1</sup>: 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 Mar	—	—	—	—	—	—	—	—	—
Apr	—	—	—	—	—	—	—	—	—
May	—	—	—	—	—	—	—	—	—
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	—	—	—	0.1	0.1	0.1	−0.1	−0.1	−0.1
Jul	0.2	0.2	0.1	0.2	0.1	0.1	−0.1	—	—
Aug	−0.1	−0.2	−0.1	−0.1	−0.2	−0.1	−0.4	−0.2	−0.3
Sep	..	..	..	..	..	..	..	..	..

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

Source: Office for National Statistics