

Statistical bulletin

# Producer price inflation, UK: October 2021

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:  
Chris Jenkins  
[business.prices@ons.gov.uk](mailto:business.prices@ons.gov.uk)  
+44 1633 456907

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# 1 . Main points

- The headline rate of output prices showed positive growth of 8.0% on the year to October 2021, up from 7.0% in September 2021.
- The headline rate of input prices showed positive growth of 13.0% on the year to October 2021, up from 11.9% in September 2021.
- Petroleum products and crude oil provided the largest upward contributions to the change in the annual rates of output and input inflation respectively.

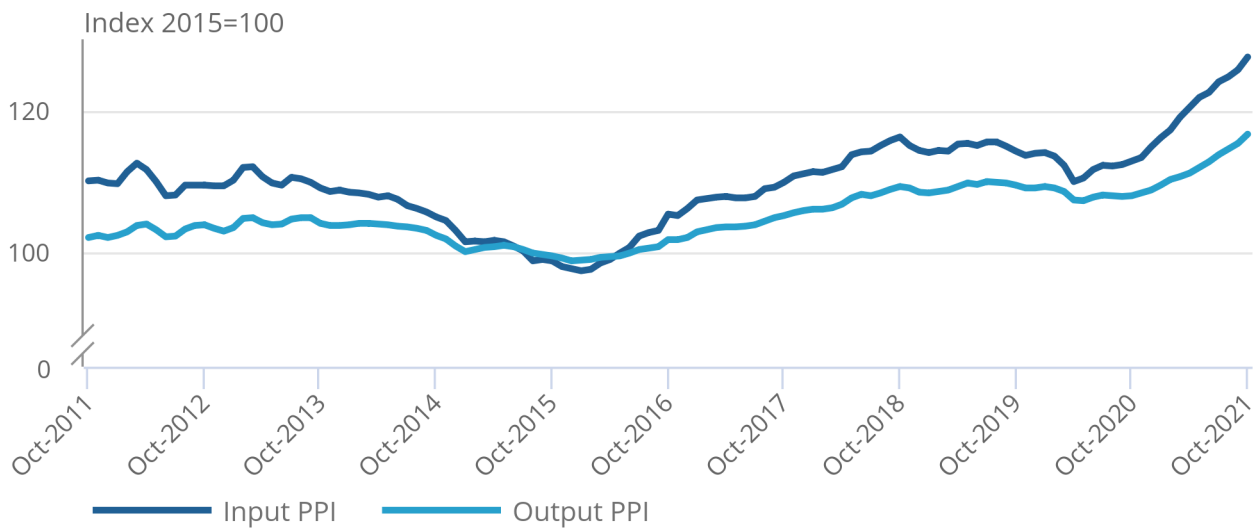
## 2 . Analysis

**Figure 1: Input PPI is more volatile over time than output inflation**

Input and output PPI, UK, October 2011 to October 2021

Figure 1: Input PPI is more volatile over time than output inflation

Input and output PPI, UK, October 2011 to October 2021



**Source: Office for National Statistics – Producer Price Index**

On the month, the rate of output inflation was 1.1% in October 2021, up from 0.7% in September 2021 (Table 1). This is the highest the monthly rate has been since February 2013.

Table 1: Output prices, index values, growth rates and percentage point change to the 12-month rate  
UK, October 2020 to October 2021

**All manufactured products (GB7S)**

		<b>PPI Index (2015=100)</b>	<b>1-month rate</b>	<b>12-month rate</b>	<b>Change in the 12-month rate (percentage points)</b>
<b>2020</b>	<b>Oct</b>	107.9	0.1	-1.4	0.3
	<b>Nov</b>	108.3	0.4	-0.6	0.8
	<b>Dec</b>	108.7	0.4	-0.3	0.3
	<b>Jan</b>	109.4	0.7	0.2	0.5
	<b>Feb</b>	110.2	0.7	1.0	0.8
	<b>Mar</b>	110.6	0.4	1.9	0.9
<b>2021</b>	<b>Apr</b>	111.1	0.4	3.5	1.6
	<b>May</b>	111.9	0.7	4.3	0.8
	<b>June</b>	112.7	0.7	4.6	0.3
	<b>July</b>	113.7	0.9	5.3	0.7
	<b>Aug</b>	114.5	0.7	6.1	0.8
	<b>Sept</b>	115.3	0.7	7.0	0.9
	<b>Oct</b>	116.6	1.1	8.0	1.0

Source: Office for National Statistics – Producer Price Index

Notes

1. Rates may not correspond to index value changes because of rounding.

Transport equipment provided the largest upward contribution of 2.25 percentage points to the annual rate (Figure 2), but had negative annual price growth of 0.7% in October 2021 (Table 2).

Despite showing negative annual growth, transport equipment provided an upward contribution to the annual rate because of the weight changes implemented as part of the move to annual chain-linking. More information is available in our [Chain-linking in business prices article](#). You can find out more about how these rates are calculated in Section 5.

**More about economy, business and jobs**

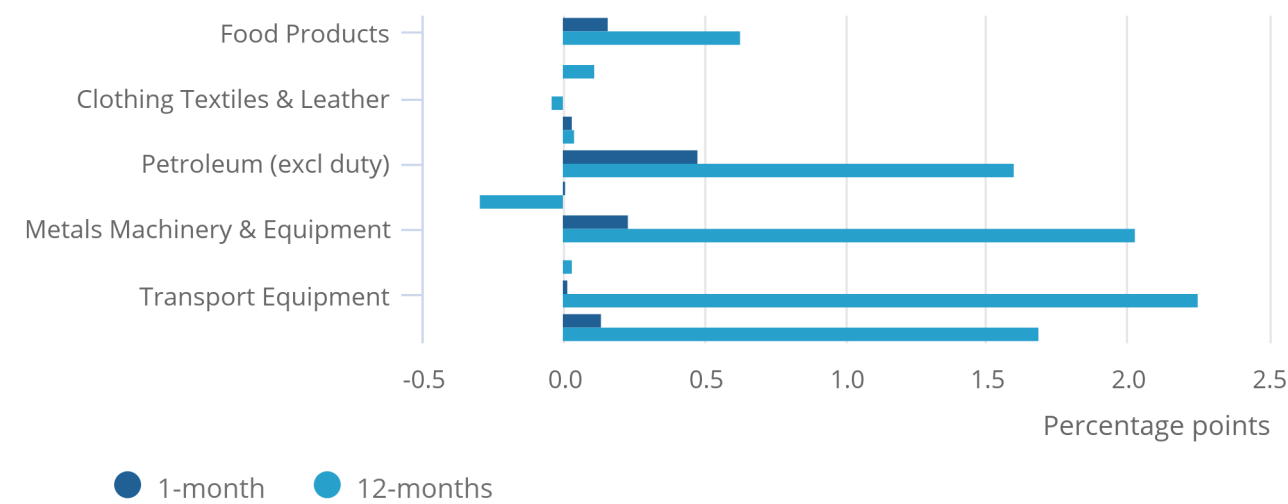
- All ONS analysis, summarised in our [economy, business and jobs roundup](#).
- Explore the latest trends in employment, prices and trade in our [economic dashboard](#).
- View [all economic data](#).

Figure 2: Transport equipment provided the largest upward contribution to the annual rate

Output prices contribution to 1-month and 12-month growth rate, UK, October 2021

Figure 2: Transport equipment provided the largest upward contribution to the annual rate

Output prices contribution to 1-month and 12-month growth rate, UK, October 2021



Source: Office for National Statistics - Producer Price Index

Notes:

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

Table 2: Output prices, growth rates  
UK, October 2020 to October 2021

Product group	Percentage Change	
	1-month rate	12-month rate
Food products	0.6	4.0
Tobacco and alcohol (excl. duty)	0.1	2.0
Clothing, textile and leather	0.2	2.2
Paper and printing	0.4	6.4
Petroleum products (excl. duty)	10.3	83.3
Chemical and pharmaceutical	0.2	9.2
Metal, machinery and equipment	1.5	12.3
Computer, electrical and optical	0.1	2.7
Transport equipment	0.2	-0.7
Other manufactured products	0.6	6.7
All manufacturing	1.1	8.0

Source: Office for National Statistics – Producer Price Index

The annual rate of output inflation increased by 1.0 percentage points from 7.0% in September 2021 to 8.0% in October 2021; this is the highest the annual rate of output inflation has been since September 2011.

Of the 10 product groups, 6 displayed upward contributions to the change in the rate, with petroleum products providing the largest, at 0.49 percentage points (Figure 3). Petroleum products saw a monthly increase of 10.3% between September 2021 and October 2021 compared with a decrease of 0.2% between the same months in 2020. This base effect is contributing to the positive annual growth rate for this product group, which has increased by 17.4 percentage points from 65.9% in September 2021 to 83.3% in October 2021. Annual growth rates for this product group were being driven by coke and refined petroleum products for domestic market.

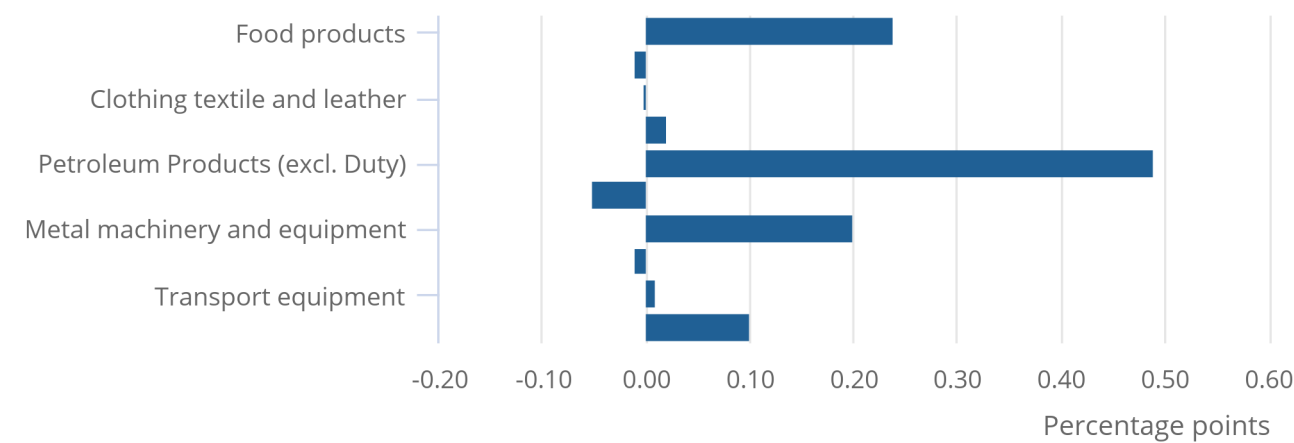
The second largest upward contribution came from food products at 0.24 percentage points (Figure 3), with an annual growth rate increasing from 3.0% in September 2021 to 4.0% in October 2021. This was being driven by preserved meat and meat products for the domestic market.

**Figure 3: Petroleum products made the largest upward contribution to the change in the annual rate**

Output producer price inflation (PPI), contribution to change in the annual rate, UK, October 2021

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

Output producer price inflation (PPI), contribution to change in the annual rate, UK, October 2021



Source: Office for National Statistics – Producer Price Index

Notes:

- 1. Contributions to the rate may not add up to the rate exactly because of rounding.
- On the month, the rate of input inflation was 1.4% in October 2021, up from 0.8% in September 2021 (Table 3).

Table 3: Input prices, index values, growth rates and percentage point change to the 12-month rate  
UK, October 2020 to October 2021

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

		<b>PPI Index (2015=100)</b>	<b>1-month rate</b>	<b>12-month rate</b>	<b>Change in the 12-month rate (percentage points)</b>
<b>2020</b>	<b>Oct</b>	112.8	0.5	-1.1	1.1
	<b>Nov</b>	113.3	0.4	-0.3	0.8
	<b>Dec</b>	114.8	1.3	0.8	1.1
	<b>Jan</b>	116.1	1.1	1.9	1.1
	<b>Feb</b>	117.2	0.9	3.2	1.3
	<b>Mar</b>	119.0	1.6	6.1	2.9
<b>2021</b>	<b>Apr</b>	120.4	1.1	9.6	3.5
	<b>May</b>	121.8	1.1	10.3	0.7
	<b>June</b>	122.5	0.6	9.7	-0.6
	<b>July</b>	124.0	1.3	10.5	0.8
	<b>Aug</b>	124.7	0.6	11.3	0.8
	<b>Sept</b>	125.7	0.8	11.9	0.6
	<b>Oct</b>	127.5	1.4	13.0	1.1

Source: Office for National Statistics – Producer Price Index

Notes

1. Rates may not correspond to index value changes because of rounding.

The annual rate of imported inputs was 5.2% in October 2021 (Table 4), up from 4.7% in September 2021.



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, October 2020 to October 2021

		Imported materials and fuels purchased (GD74)				Sterling effective exchange rate - month average (BK67)		
		PPI Index (2015=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
2020	Oct	115.1	0.0	-1.1	1.4	77.4	0.3	-1.0
	Nov	114.6	-0.4	-0.7	0.4	78.2	1.0	-1.8
	Dec	115.8	1.0	0.9	1.6	78.0	-0.3	-3.2
	Jan	116.2	0.4	0.9	0.0	79.0	1.3	-1.6
	Feb	115.6	-0.5	0.1	-0.8	80.6	2.0	-0.1
2021	Mar	117.0	1.2	0.7	0.6	81.7	1.4	6.4
	Apr	118.4	1.2	5.4	4.7	81.3	-0.5	4.1
	May	118.3	0.0	4.6	-0.8	82.0	0.9	6.4
	June	118.7	0.3	4.4	-0.2	82.0	0.0	6.6
	July	119.9	1.0	4.6	0.2	81.9	-0.1	6.5
	Aug	119.3	-0.5	4.5	-0.1	82.0	0.1	5.0
	Sept	120.5	1.0	4.7	0.2	81.6	-0.5	5.7
	Oct	121.1	0.5	5.2	0.5	82.1	0.6	6.1

Source: Office for National Statistics – Producer Price Index, Bank of England – Sterling Exchange Rate

#### Notes

1. Rates may not correspond to index value changes because of rounding.
2. Total imports (GD74) represents roughly a fifth of overall materials and fuels (input prices) in terms of index weight.

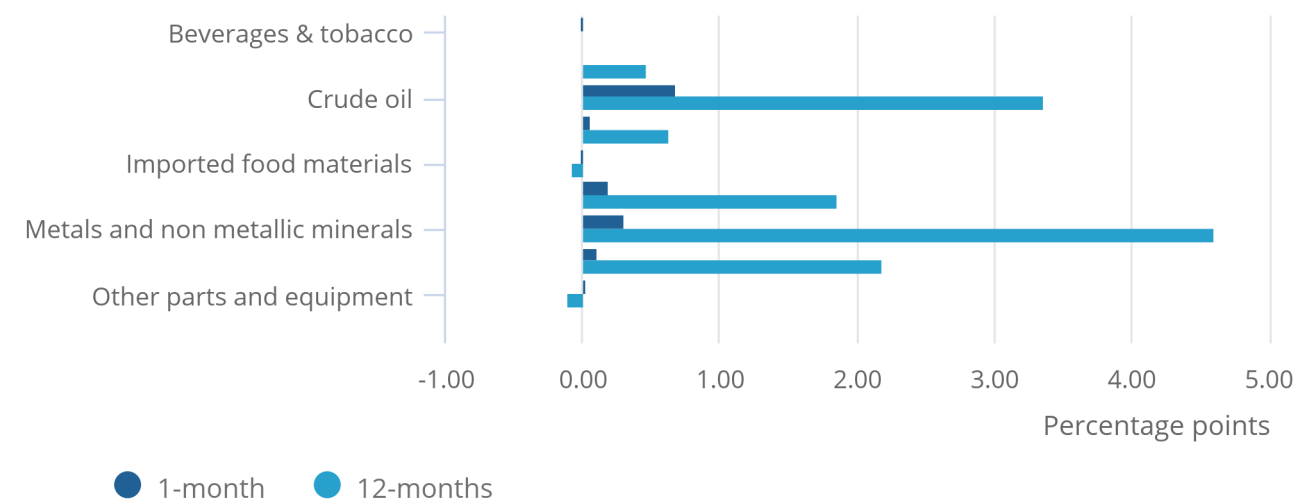
The largest upward contribution to the annual input inflation rate came from metals and non-metallic minerals, which contributed 4.61 percentage points (Figure 4) and had positive annual price growth of 21.3% in October 2021 (Table 5). This was mainly driven by basic iron and steel, and of ferro-alloys for domestic market.

**Figure 4: Metals and non-metallic minerals provided the largest upward contribution to the annual rate**

Input producer price inflation (PPI), contribution to 1-month and 12-month growth rate, UK, October 2021

**Figure 4: Metals and non-metallic minerals provided the largest upward contribution to the annual rate**

Input producer price inflation (PPI), contribution to 1-month and 12-month growth rate, UK, October 2021



Source: Office for National Statistics – Producer Price Index

Notes:

- 1. Contributions to the rate may not add up to the rate exactly because of rounding.

Table 5: Input prices, growth rates  
UK, October 2020 to October 2021

Product group	Percentage change	
	1-month rate	12-month rate
Beverages & tobacco	-0.5	0.6
Fuel excluding Climate Change Levy	0.5	15.6
Crude oil	12.0	88.0
Home food materials	0.6	5.0
Imported food materials	-0.2	0.4
Other produced materials	1.8	18.2
Metals & non-metallic minerals	1.3	21.3
Chemicals	0.6	12.7
Other parts and equipment	0.2	-0.7
Other inputs	0.2	-0.6
All manufacturing	1.4	13.0

Source: Office for National Statistics – Producer Price Index

The annual input inflation rate increased by 1.1 percentage points from 11.9% in September 2021 to 13.0% in October 2021. This is the highest the rate has been since September 2008.

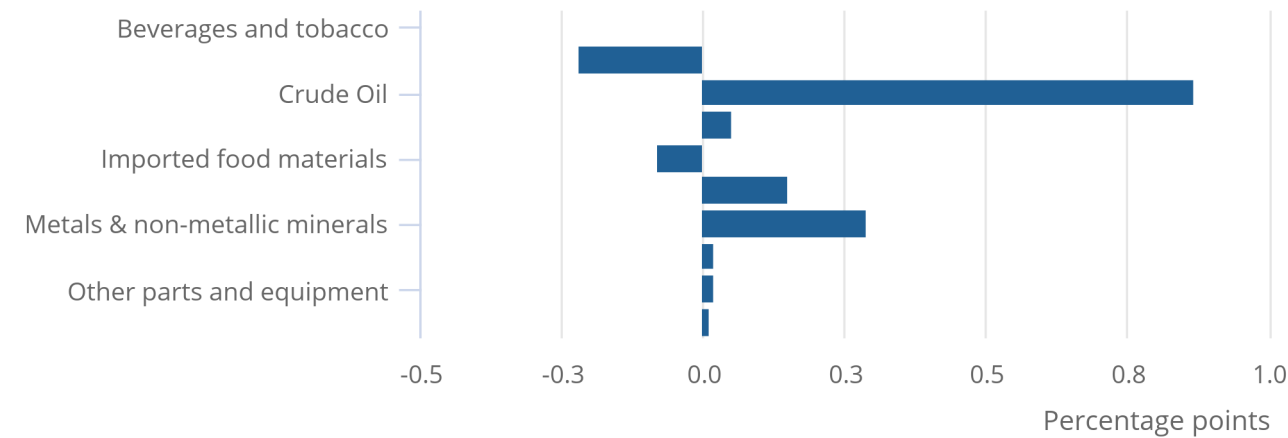
Crude oil displayed the largest upward contribution to the change in the rate, at 0.87 percentage points (Figure 5). This product group saw a monthly increase of 12.0% between September 2021 and October 2021 compared with a decrease of 1.7% between the same months in 2020. This base effect is contributing to the positive annual growth rate for this product group, which has increased by 23.0 percentage points from 65.0% in September 2021 to 88.0% in October 2021 (Table 5). This is the second consecutive month that the annual rate has picked up for this product group following four months of slowing growth since April 2021.

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

Input producer price inflation (PPI), contribution to change in the annual rate, UK, October 2021

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

Input producer price inflation (PPI), contribution to change in the annual rate, UK, October 2021



Source: Office for National Statistics – Producer Price Index

Notes:

- 1. Contributions to the rate may not add up to the rate exactly because of rounding.

### 3 . Producer price inflation data

[Producer price inflation time series](#)

Dataset | Released 17 November 2021

A comprehensive selection of data on input and output indices. Contains producer price indices of materials and fuels purchased and output of manufacturing industry by broad sector.

[Output and input producer price inflation: contributions to the 12-month rates](#)

Dataset | Released 17 November 2021

Contributions to the 12-month rates of input and output producer price inflation by component and overall rates.

[Producer price inflation](#)

Dataset MM22 | Released 17 November 2021

UK price movement data at all manufacturing, aggregated industry and product group level. Data supplied from individual manufacturers, importers and exporters. Monthly, quarterly and annual data.

## 4 . Glossary

### Weight

This is the importance of the price of interest relative to other prices collected. With annual chain linking this is updated every year using business turnover data.

### Index value

Price level in a specific basket of goods.

### Annual growth rate

The annual inflation rate.

### Link factor

A smoothing factor applied to create a continuous series following a weight's change.

### Contribution

A measure of influence the index has on the overall growth rate. This depends on both the magnitude of the weight and the inflation rate. A positive contribution is an index that is driving a change in the annual growth rate value. Where the contribution is positive but the growth is negative, this indicates that the index is reducing the annual growth rate (for example the growth rate would be higher if this index had a lower weight).

### Producer price inflation

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).

### Output prices

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.

### Input prices

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.

### Services producer price inflation

Quarterly estimates monitoring the changes in prices charged for services provided to UK-based customers for a range of industries.

## 5 . Measuring the data

Producer Price Inflation (PPI) uses contributions to identify how indices influence the overall inflation rate. This section gives additional information on the calculation and how to interpret it.

## Example scenarios

The following gives examples of how weight and inflation rate changes most commonly affect the contribution. In PPI, the weights usually have greater influence on the contribution as these tend to show greater change than the annual inflation rate.

- Decrease in weight and in inflation rate – contribution is negative.
- Decrease in weight, increase in inflation rate – contribution is usually negative.
- No change in weight or inflation rate – no change.
- No change in weight, increase in inflation rate – no change.
- Increase in weight, decrease in inflation rate – contribution is usually positive.
- Increase in weight, no change in inflation rate – contribution is positive.
- Increase in weight, increase in inflation rate – contribution is positive.

Contributions are calculated using the following formula:

$$\frac{(\text{weight} \times \text{index value} \times \text{link factor}) \text{ for current year} - (\text{weight} \times \text{index value} \times \text{link factor}) \text{ for previous year}}{\text{chain linked value for the overall index}}$$

Quality and methodology information on strengths, limitations, appropriate uses, and how the data were created is available in the [Producer Price Index \(PPI\) Quality and Methodology Information report](#) and the [Services Producer Price Indices \(SPPI\) Quality and Methodology information report](#).

Other useful documentation for the PPI and the SPPI are:

- [Producer price indices methods changes](#)
- [Chain-linking in business prices](#)
- [Producer price weight changes](#)
- [Services producer price weight changes](#)
- [Guidance on using indices in indexation clauses \(PDF, 197KB\)](#)
- [PPI methods and guidance \(PDF, 1.14MB\)](#)
- [SPPI user guidance and methodology article](#)
- [PPI standard errors](#)
- [SPPI standard errors](#)

## Sterling effective exchange rate

The sterling effective exchange rate measures changes in the strength of sterling relative to baskets of other currencies. The sterling effective exchange rate is only indicative of the rates applied to producer prices. This is because the sterling effective exchange rate is a trade weighted index that represents all UK trade, whereas producer prices reflect transaction in the manufacture sector.

## Consultation on the Code of Practice for Statistics – proposed change to 9.30am release practice

On behalf of the UK Statistics Authority, the Office for Statistics Regulation (OSR) is conducting a [consultation on the Code of Practice for Statistics, proposing changes to the 9.30am release practice](#). Please send comments by 21 December 2021 to [regulation@statistics.gov.uk](mailto:regulation@statistics.gov.uk).

## 6 . Strengths and limitations

### Strengths

- These data provide users with valuable insight into the changes in the process of goods and services bought and sold by UK manufacturers.
- Our data is very comprehensive, covering many products at a much greater level of detail than other surveys.

### Limitations

- Some products are produced by only a small number of manufacturers, meaning that there may not be enough manufacturers for a detailed and robust analysis and the sector may be volatile, requiring some estimation.
- The data can be revised for 12 months.
- The data for the latest two months of the Producer Price Index (PPI) and two quarters of the Services Producer Price Index (SPPI) are provisional.

## Coronavirus (COVID-19) in October 2021

Response rates for the domestic PPI and Export Price Index (EPI) show a decrease between September 2021 and October 2021, whereas the response rates for the Import Price Index (IPI) show an increase between September 2021 and October 2021 (Table 6).

Table 6: Overall effective response rates at time of first publishing  
October 2020 to October 2021

### Weighted response

	PPI (domestic)	IPI	EPI
October 2020	77.2	72.4	65.1
November 2020	77.5	74.7	68.4
December 2020	73.5	71.9	76.6
January 2021	74.8	70.7	58.7
February 2021	75.3	74.2	62.3
March 2021	73.9	75.5	65.4
April 2021	79.0	72.6	60.3
May 2021	75.5	77.1	62.7
June 2021	77.1	75.3	64.8
July 2021	71.1	68.2	70.7
August 2021	73.0	67.9	72.8
September 2021	73.3	67.1	73.8
October 2021	67.1	70.5	67.3

Source: Office for National Statistics – Producer Price Index

### Notes

1. Effective response rates exclude items permanently not available for collection.



## 7 . Related links

### [Consumer prices inflation, UK](#)

Bulletin | Released monthly

Price indices, percentage changes and weights for the different measures of consumer price inflation.

### [UK House Price Index](#)

Bulletin | Released monthly

Monthly house price inflation in the UK, calculated using data from HM Land Registry, Registers of Scotland, and Land and Property Services Northern Ireland.

### [Construction output in Great Britain: new orders and Construction Output Price Indices, April to June 2021](#)

Bulletin | Released 12 August

Short-term measures of output by the construction industry, contracts awarded for new construction work in Great Britain and a summary of the Construction Output Price Indices (OPIs) in the UK for Quarter 2 (Apr to June) 2021.

### [GDP monthly estimate, UK](#)

Bulletin | Released monthly

Gross domestic product (GDP) measures the value of goods and services produced in the UK.

## Links to additional ONS sources of coronavirus information

Various articles have been published that help describe the Office for National Statistics (ONS) response to how the coronavirus (COVID-19) might be seen in our estimates:

- [Coronavirus and the effects on UK prices](#) (published 6 May 2020)
- [Coronavirus and the impact on output in the UK economy, UK: August 2021](#) (published 13 October 2021)
- [Meeting the challenge of measuring the economy through the COVID-19 pandemic](#) (published 6 May 2020)
- [Coronavirus and the effects on UK GDP](#) (published 6 May 2020)
- [Real-time turning point indicators: a UK focus](#) (published 27 April 2020)
- [Communicating gross domestic product](#) (published 27 April 2020)

Our latest data and analysis on [the impact of coronavirus on the UK economy and population](#) are also available. The ONS has released a [public statement on coronavirus](#) and the production of statistics. If you have any specific queries on this, you can email the [Media Relations Office](#).

**Table 1: Output prices: summary (not seasonally adjusted) - CPA 2.1**

2015=100, CPA 2.1

Manufactured Products for Domestic Market, excluding duty				Manufactured products excluding food beverages, tobacco & petroleum products for domestic market				Coke and refined petroleum products, excluding duty				Food products, beverages and tobacco, excluding duty			
percentage change over				percentage change over				percentage change over				percentage change over			
Index				Index				Index				Index			
(2015=100)	1 mth	12 mths		(2015=100)	1 mth	12 mths		(2015=100)	1 mth	12 mths		(2015=100)	1 mth	12 mths	
6150333333				6150333390				6140190000				6150888897			
	GB7S				GBBV				G6ST				GBA6		
2021 Apr	111.1r	0.4	3.5	112.1	0.5	1.9		125.9	1.1	51.9		108.8	0.1	2.0	
May	111.9r	0.7	4.3	112.9r	0.7	2.4		131.1	4.1	68.4		109.2	0.4	2.5	
Jun	112.7r	0.7	4.6	113.6	0.7	3.1		137.6	4.9	54.3		109.5r	0.3	2.6	
Jul	113.7	0.9	5.3	115.0r	1.2	4.4		142.0	3.2	46.1		109.6r	-	2.7	
Aug	114.5	0.7	6.1	116.1	1.0	5.5		143.7	1.2	49.9		109.6	-	2.6	
Sep	115.3p	0.7	7.0	116.7p	0.6	6.0		150.2p	4.5	65.9		110.0p	0.4	2.8	
Oct	116.6p	1.1	8.0	117.6p	0.7	6.5		165.7p	10.3	83.3		110.5p	0.4	3.6	

Source: Office for National Statistics

p = provisional

r = revised

Manufactured Products for Domestic Market, including duty				Food products, beverages and tobacco, including duty				Coke and refined petroleum products, including duty			
percentage change over				percentage change over				percentage change over			
Index				Index				Index			
(2015=100)	1 mth	12 mths		(2015=100)	1 mth	12 mths		(2015=100)	1 mth	12 mths	
6158333333				6158888897				6148190000			
	GD73				GBA7				G6SU		
2021 Apr	110.9	0.4	3.3	109	0.2	2.0		110.7	0.6	18.9	
May	111.7	0.7	4.1	109.4	0.4	2.4		112.8	1.9	24.2	
Jun	112.5r	0.7	4.4	109.7r	0.2	2.5		115.5	2.4	21.1	
Jul	113.5r	0.9	5.1	109.7r	0.1	2.5		117.3	1.6	18.8	
Aug	114.2	0.7	5.9	109.7	-	2.5		118.1	0.7	20.2	
Sep	115.0p	0.7	6.7	110.1p	0.4	2.8		120.7p	2.2	25.6	
Oct	116.2p	1.0	7.7	110.6p	0.4	3.5		126.9p	5.2	32.2	

Source: Office for National Statistics

p = provisional

r = revised

**Table 2: Gross sector input prices, including Climate Change Levy<sup>1</sup>: summary (not seasonally adjusted) - CPA 2.1**

2015=100, CPA 2.1

2015=100, CFA Z1												
All manufacturing (materials and fuel purchased)				All Manufacturing (materials and fuel purchased) excluding food, beverages, tobacco & petroleum			Materials purchased by manufacturing industry			Fuels purchased by manufacturing industry		
	percentage change over			Index (2015=100)	percentage change over		Index (2015=100)	percentage change over		Index (2015=100)	percentage change over	
	1 mth	12 mths	1 mth		12 mths	1 mth		12 mths	1 mth		12 mths	
	7390333333			7390333392			7390333397			7390333394		
	GHIP			GHIO			GHIK			GHIM		
2021 Apr	120.4	1.1	9.6	120.4	1.2	6.8	120.3	1.2	9.5	123.1	-1.7	10.6
May	121.8	1.1	10.3	121.2	0.7	7.3	121.7	1.2	10.1	124.2	0.9	17.5
Jun	122.5r	0.6	9.7	121.9	0.6	7.8	122.5r	0.7	9.6	121.0	-2.6	12.9
Jul	124.0	1.3	10.5	123.8	1.5	9.3	123.9	1.2	10.3	127.5	5.4	16.9
Aug	124.7	0.6	11.3	125.1	1.0	10.5	124.4	0.4	10.9	134.9	5.8	25.6
Sep	125.7p	0.8	11.9	125.8p	0.5	10.5	125.5p	0.9	11.6	133.1p	-1.3	22.1
Oct	127.5p	1.4	13.0	126.7p	0.7	10.8	127.3p	1.4	12.9	134.5p	1.1	15.0

Source: Office for National Statistics

<sup>1</sup> The Climate Change Levy was introduced in April 2001.

p = provisional  
r = revised

**Table 3: Output prices: Detailed by product (not seasonally adjusted) - CPA 2.1**

										2015=100, CPA 2.1	
										Percentage change	
										1 month	
										12 months	
										2021	2021
										Sep	Oct
										Sep	Oct
										Sep	Oct
										Sep	Oct
<b>Gross Sector</b>											
Output of manufactured products	GB7S	6158333333	112.7r	113.7	114.5	115.3p	116.6p			0.7	1.1
All manufacturing, excluding food, beverages, tobacco and petroleum	GBBV	6150333390	113.6	115.0r	116.1	116.7p	117.6p			0.6	0.7
Food products, beverages and tobacco, excluding duty	GBA6	6150888897	109.5r	109.6r	109.6	110.0p	110.5p			0.4	0.4
Food products	G6SI	6140100000	109.3r	109.4r	109.2	109.8p	110.5p			0.6	0.6
Alcoholic beverages, excluding duty	G6SJ	6140110000	108.1	108.1	108.8	108.2p	107.4p			-0.6	-0.7
Soft drinks, mineral waters and other bottled waters	EVPU	6120110700	105.6	106.4	105.6	106.2p	104.1p			0.5	-1.9
Textiles	G6SN	6140130000	107.5	108.0r	108.2	108.9p	109.2p			0.7	0.2
Wearing apparel	G6SO	6140140000	106.7	106.7	106.9	108.4p	108.4p			1.4	-
Leather and related products	G6SP	6140150000	104.0	104.2	103.5	103.5p	103.5p			-	-
Wood and products of wood and cork, except furniture	G6SQ	6140160000	129.9r	136.8r	145.1	145.2p	147.1p			-	1.3
Paper and paper products	G6SR	6140170000	111.7	113.0	114.0	116.4p	117.4p			2.1	0.8
Printing and recording services	G6SS	6140180000	103.8r	103.9r	104.4	104.4p	104.4p			0.1	-
Coke and refined petroleum products, excluding duty	G6ST	6140190000	137.6	142.0	143.7	150.2p	165.7p			4.5	10.3
Chemicals and chemical products	G6SV	6140200000	120.2r	122.0r	124.4	124.9p	125.3p			0.4	0.4
Basic pharmaceutical products and pharmaceutical preparations	G6SW	6140210000	104.1	104.5	104.9	105.2p	105.1p			0.3	-0.2
Rubber and plastic products	G6SX	6140220000	115.7	117.4	119.4	120.1p	121.3p			0.6	1.0
Other non-metallic mineral products	G6SY	6140230000	114.3r	115.3r	116.1	116.8p	117.9p			0.5	1.0
Basic metals	G6SZ	6140240000	155.0	161.8r	165.6	166.7p	168.5p			0.7	1.1
Fabricated metal products, except machinery and equipment	G6T3	6140250000	117.6	119.1	119.8	121.0p	123.6p			1.0	2.1
Computer, electronic and optical products	G6T5	6140260000	105.6	105.7	105.9	106.0p	106.0p			0.1	-
Electrical equipment	G6VF	6140270000	113.8r	114.2r	114.4	115.8p	116.1p			1.3	0.2
Machinery and equipment n.e.c.	G6VG	6140280000	109.3	109.2	110	111.2p	111.3p			1.1	0.1
Motor vehicles, trailers and semi-trailers	G6WH	6140290000	109.8	110.0	110.1	111.0p	111.2p			0.8	0.2
Other transport equipment	G72N	6140300000	105.7	107.6r	107.5	107.6p	107.8p			-	0.2
Furniture	G75I	6140310000	109.8r	110.2r	111.7	111.8p	112.3p			0.1	0.5
Other manufactured goods	G776	6140320000	102.1	103.1	103.1	103.1p	104.3p			-	1.2
Repair and installation services of machinery and equipment	G777	6140330000	109.5	109.6	109.6	109.6p	109.7p			0.1	-

Source: Office for National Statistics

p = provisional  
r = revised

**Table 4: Input prices, excl Climate Change Levy<sup>1</sup>: materials and fuels purchased by selected industries (not seasonally adjusted) - CPA 2.1**

										2015=100, CPA 2.1			
										Percentage change		Percentage change	
										1 month		12 months	
										2021	2021	2021	2021
										Sep	Oct	Sep	Oct
Gross sector													
Other mining & quarrying products	GHEA	7390080000	116.3r	117.8	119.0	119.5p	121.1p	0.4	1.3	9.1	10.0		
Manufacture of food products, beverages, tobacco	GHHV	7390888897	117.6r	116.9r	116.9	117.9p	118.5p	0.9	0.5	5.6	5.4		
Preserved meat & meat products	GHEF	7390101000	119.2r	117.8r	117.3	118.6p	118.4p	1.1	-0.2	5.2	4.2		
Fish, crustaceans, molluscs, fruit & vegetables	GHEH	7390333387	121.0r	118.0r	117.1	118.4p	120.0p	1.1	1.4	5.1	6.7		
Vegetable & animal oils & fats	GHEJ	7390104000	132.3r	133.3r	136.0	140.3p	147.1p	3.2	4.8	18.2	21.2		
Dairy products	GHEL	7390105000	124.3	122.4r	122.0	123.3p	123.1p	1.1	-0.2	6.3	4.6		
Grain mill products, starches & starch products	GHEN	7390106000	119.4r	118.7r	118.7	120.1p	121.2p	1.1	0.9	6.6	6.4		
Bakery & farinaceous products	GHEP	7390107000	113.5r	114.2r	114.8	115.5p	116.8p	0.6	1.1	6.2	6.6		
Other food products	GHER	7390108000	110.8r	111.5r	111.7	112.6p	113.3p	0.7	0.6	4.0	4.1		
Animal feeds	GHET	7390109000	119.6r	119.1r	119.1	120.0p	120.7p	0.8	0.6	6.1	6.1		
Alcoholic Beverages	GHEV	7390333384	113.5r	114.1r	114.9	115.1p	115.7p	0.2	0.5	5.6	5.3		
Soft drinks; mineral waters & other bottled waters	GHEX	7390110700	110.8	111.7r	112.4	112.8p	113.2p	0.4	0.3	4.7	4.7		
Tobacco products	GHEZ	7390120000	122.4	121.2	121.2	123.1p	123.4p	1.6	0.2	8.1	7.3		
Manufacture of textiles & textile products; clothing	GHHW	7390888895	111.4	112.5	113.1	113.8p	115.7p	0.6	1.7	3.7	5.2		
Textiles	GHFB	7390130000	112.5	113.7	114.5	115.1p	116.8p	0.5	1.5	5.0	6.2		
Wearing apparel	GHFD	7390140000	109.3	110.3	110.7	111.4p	113.8p	0.6	2.2	1.5	3.6		
Manufacture of leather & related products	GHFF	7390150000	110.9r	112.1r	112.6	113.1p	113.8p	0.4	0.6	4.2	4.6		
Manufacture of wood & wood products	GHFH	7390160000	132.2r	138.2	143.8	144.6p	145.7p	0.5	0.8	23.5	21.2		
Manufacture of pulp, paper & paper products, recording media & printing services	GHHZ	7390888892	114.2r	116.0r	117.8	119.0p	119.9p	1.1	0.7	9.8	9.6		
Pulp, paper & paper products	GHFJ	7390170000	116.5r	118.9r	121.0	122.2p	123.1p	1.0	0.7	11.3	10.8		
Printing & recording services	GHFL	7390180000	111.1r	112.2r	113.5	114.7p	115.5p	1.1	0.7	7.7	8.0		
Manufacture of coke & refined petroleum products	GHFN	7390190000	147.3	153.4	148.6	153.5p	170.4p	3.3	11.0	60.1	79.9		
Manufacture of chemicals, chemical products & man-made fibres	GHIB	7390888890	122.6r	125.4r	127.3	128.3p	129.5p	0.7	1.0	17.0	16.8		
Paints, varnishes & similar coatings, printing ink & mastics	GHFP	7390203000	123.3r	125.4r	126.9	127.6p	128.5p	0.6	0.7	13.5	13.9		
Soaps, detergents, cleaning & polishing preparations, perfumes & toilet preparations	GHFR	7390204000	114.7r	116.2r	117.8	118.6p	119.6p	0.7	0.8	7.7	8.3		
Other chemical products	GHFT	7390205000	115.2r	117.3r	119.4	120.0p	120.5p	0.5	0.4	10.5	10.6		
Industrial gases; other basic inorganic chemicals; fertilisers & nitrogen compounds	GHFV	7390333378	120.5	123.1	127.1	127.5p	128.4p	0.3	0.7	16.8	14.4		
Petrochemicals & man made fibres	GHFX	7390333377	127.9	131.3r	132.8	134.1p	135.7p	1.0	1.2	22.8	23.0		
Dyes & pigments; pesticides & other agrochemical products	GHFZ	7390333376	121.9	123.8	125.2	126.5p	128.0p	1.0	1.2	12.3	13.1		
Manufacture of basic pharmaceutical products & pharmaceutical preparations	GHGB	7390210000	110.0	110.8	111.7	112.2p	112.5p	0.4	0.3	3.6	3.1		
Manufacture of rubber & plastic products	GHGD	7390220000	121.1	123.5	125.0	125.6p	126.6p	0.5	0.8	13.7	13.9		
Manufacture of cement, lime & plaster	GHGF	7390333375	118.6r	120.6r	122.5	123.3p	124.6p	0.6	1.0	11.8	12.3		
Manufacture of glass, refractory, clay, other porcelain, ceramic stone products	GHGH	7390333374	115.8	117.4	118.6	119.4p	120.8p	0.7	1.1	8.8	9.4		
Manufacture of basic metals & fabricated products	GHIF	7390888884	140.6	143.4	145.0	145.8p	147.4p	0.5	1.1	21.0	21.6		
Basic iron, steel & alloys: tubes, pipes, hollow profiles	GHGJ	7390333369	149.3	154.0	156.4	157.6p	158.3p	0.8	0.4	28.8	28.2		
Other basic metals & casting	GHGL	7390333368	157.2r	157.6	157.2	157.5p	159.7p	0.2	1.4	23.6	24.9		
Weapons & ammunition	GHGN	7390254000	119.5r	120.6r	122.2	122.8p	124.1p	0.6	1.0	7.7	8.5		
Fabricated metal products, excluding machinery & equipment & weapons & ammunition	GHGP	7390333365	133.2r	136.4r	138.4	139.2p	141.0p	0.6	1.3	18.3	19.2		
Manufacture of computer, electronic & optical products, electrical equipment	GHIG	7390888883	118.1r	119.1r	119.7	120.2p	120.9p	0.4	0.5	6.2	6.5		
Computer, electronic & optical products	GHGR	7390260000	115.4	116.3	116.8	117.1p	117.7p	0.3	0.5	4.4	4.8		
Electrical equipment	GHGT	7390270000	121.0	122.2	123.1	123.8p	124.5p	0.6	0.5	8.2	8.4		
Manufacture of machinery & equipment n.e.c	GHGV	7390280000	123.5	125.2r	126.3	126.9p	128.2p	0.5	1.0	10.1	11.0		
Manufacturing of motor vehicles & other transport equipment	GHII	7390888881	119.2	120.5	121.1	121.8p	122.5p	0.5	0.6	6.4	6.9		
Motor vehicles, trailers & semi trailers	GHGX	7390290000	118.0	119.1	119.8	120.4p	121.1p	0.5	0.5	6.7	7.0		
Ships & boats	GHGZ	7390301000	121.0	124.5	125.9	126.6p	127.5p	0.5	0.7	11.1	11.5		
Aircraft & spacecraft & related machinery	GHHB	7390303000	122.1	123.5	124.0	124.6p	125.4p	0.5	0.7	5.4	5.9		
Other transport equipment	GHHD	7390333358	111.2	112.0r	112.7	113.1p	113.4p	0.3	0.3	3.3	3.5		
Manufacture of other manufactured goods n.e.c	GHJU	7390888880	126.3r	129.4r	132.0	132.5p	133.9p	0.4	1.1	15.6	16.2		
Furniture	GHHF	7390310000	127.2r	132.4	137.1	137.5p	139.1p	0.3	1.1	20.5	20.9		
Other manufacturing	GHHH	7390320000	125.5	127.1	128.0	128.4p	129.8p	0.4	1.1	11.8	12.6		
Repair of maintenance of ships & boats	GHJU	7390331500	124.1r	127.3r	129.3	129.9p	130.9p	0.4	0.8	15.1	15.4		
Repair & maintenance services of aircraft & spacecraft	GHHL	7390331600	106.2	106.6	106.7	106.9p	107.2p	0.1	0.3	-9.3	-9.0		
Other repair; installation	GHHN	7390333355	115.4	116.7	118.0	118.6p	120.0p	0.5	1.2	9.4	10.2		

Source: Office for National Statistics

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

p = provisional  
r = revised

**Table 5: Input prices: detailed by commodity (not seasonally adjusted) - CPA 2.1**

		2015=100, CPA 2.1									
							Percentage change 1 month		Percentage change 12 months		
		2021 Jun	2021 Jul	2021 Aug	2021 Sep	2021 Oct	2021 Sep	2021 Oct	2021 Sep	2021 Oct	
<b>Fuel excl. CCL</b>	FSQ3 7490222295	122.2	129.1	136.6	134.8p	135.4p	-1.3	0.5	24.0	15.6	
Mining of coal & lignite exc CCL	GHDW 7390050000	122.9	125.8r	125.5	127.5p	126.2p	1.6	-1.0	21.8	16.9	
Electricity excl. CCL	GHHP 7390351000	124.4	130.5	136.8	134.6p	136.6p	-1.6	1.5	21.6	15.7	
Gas excl. CCL	GHHR 7390444499	117.7	126.2	133.8	138.4p	140.7p	3.4	1.6	45.4	36.5	
<b>Crude Oil</b>	FSQ4 7490444498	150.7	157.2	151.3	156.6p	175.4p	3.5	12.0	65.0	88.0	
Domestic crude oil & metal ores	GGT3 7190222295	154.1	159.2	153.2	159.5p	179.9p	4.1	12.8	70.0	92.1	
Imported crude oil & metal ores	GHBV 7290222295	144.9	153.8	148.1	151.5p	167.6p	2.3	10.6	56.3	80.6	
<b>Home produced food:</b>	FSP7 7190351000	118.4r	116.5r	115.9	116.9p	117.6p	0.9	0.6	4.7	5.0	
Products of agriculture, hunting and related services	GGO7 7190010000	132.2	127.7	126.4	127.9p	127.1p	1.2	-0.6	5.7	3.7	
Fish & other fish products	GG8 7190030000	133.9r	120.8	116.4	116.8p	122.5p	0.4	4.9	5.0	15.2	
Preserved meat and meat products	GH2M 7190101000	106.0r	105.6r	105.3	106.2p	106.8p	0.9	0.5	2.9	4.9	
Processed fish & fish products; fruit & vegetables	GH7R 7190333387	107.4	107.5	107.5	108.0p	108.5p	0.5	0.5	0.6	1.3	
Vegetable & animal oils and fats	GH7S 7190104000	128.7r	128.8r	131.5	136.5p	142.4p	3.8	4.3	17.1	21.7	
Dairy products	GH8A 7190105000	119.1r	119.1r	119.1	119.8p	120.9p	0.7	0.9	4.7	5.6	
Grain mill products, starches and starch products	GH8B 7190106000	115.1	114.7	114.1	113.9p	115.1p	-0.1	1.0	4.6	4.6	
Bakery and Farinaceous products	GH8C 7190107000	107.4	107.5	107.0	107.2p	107.6p	0.2	0.4	0.7	1.4	
Other Food products	GH8L 7190108000	102.0r	102.4r	102.2	102.5p	102.9p	0.2	0.4	1.1	1.3	
Prepared animal feeds	GH98 7190109000	120.9	122.1	122.6	123.1p	123.9p	0.4	0.7	7.4	8.4	
<b>Imported food materials</b>	FSP9 7490333354	117.8	119.9r	119.2	121.5p	121.2p	1.9	-0.2	3.4	0.4	
Agricultural crop products	GHBQ 7290010000	109.6r	109.4r	109.4	113.3p	110.0p	3.6	-2.9	5.7	-2.9	
Fish & fish products	GHBS 7290030000	126.4	131.1	131.2	138.4p	138.8p	5.5	0.3	6.3	6.6	
Meat & meat products	GHBX 7290101000	117.8	125.1r	123.8	123.5p	123.3p	-0.3	-0.1	4.3	3.5	
Processed fish & fish products, fruit & vegetables	GHBY 7290333387	112.4	113.0r	112.5	113.3p	113.9p	0.7	0.5	-2.2	-2.2	
Vegetable & animal oils & fats	GHBZ 7290104000	157.5	159.3r	161.7	164.9p	179.1p	2.0	8.6	19.3	21.7	
Dairy products	GHCA 7290105000	100.1	101.0	99.1	97.5p	97.1p	-1.6	-0.4	7.2	6.7	
Grain mill products & starches	GHCB 7290106000	125.9r	130.0r	130.1	131.1p	130.2p	0.8	-0.7	1.7	0.9	
Bakery & farinaceous products	GHCC 7290107000	119.6	119.4	119.6	120.4p	119.9p	0.6	-0.4	-4.6	-5.0	
Other food products	GHCD 7290108000	126.8r	128.5r	124.5	127.6p	128.3p	2.4	0.5	-4.1	-6.6	
Prepared animal feeds	GHCE 7290109000	121.3	119.6	119.5	120.0p	122.9p	0.4	2.5	-6.0	1.2	
<b>Other home produced materials</b>	FSQ2 7490333353	120.0	123.1	125.3	127.1p	129.4p	1.5	1.8	16.8	18.2	
Forestry products	GGP2 7190020000	173.0	173.0	173.0	173.0p	173.0p	-	-	15.9	-	
Other mining & quarrying products exc agg	GH2L 7190080000	112.8	113.5r	114.1	114.4p	114.4p	0.2	-	4.1	3.8	
Textiles	GHAE 7190130000	107.5	108.0r	108.2	108.9p	109.2p	0.7	0.2	2.4	2.6	
Wearing Apparel	GHAF 7190140000	106.7	106.7	106.9	108.4p	108.4p	1.4	-	1.6	1.7	
Leather and related products	GHAG 7190150000	104.0	104.2	103.5	103.5p	103.5p	-	-	0.5	0.5	
Wood and products of wood and cork, exc furniture	GHAH 7190160000	129.9r	136.8r	145.1	145.2p	147.1p	-	1.3	27.4	27.6	
Paper and paper products	GHAJ 7190170000	111.7	113.0	114.0	116.4p	117.4p	2.1	0.8	9.4	10.2	
Coke & refined petroleum products	GHAK 7190190000	137.6	142.0	143.7	150.2p	165.7p	4.5	10.3	65.9	83.3	
Water collection, treatment & supply	GHBP 7190360000	107.0	107.0	107.0	107.0p	107.0p	-	-	2.4	2.4	

Source: Office for National Statistics

1 The Climate Change Levy was introduced in April 2001.

p = provisional

r = revised

**Table 5: Input prices: detailed by commodity (not seasonally adjusted) - CPA 2.1**

								Percentage change		2015=100, CPA 2.1	
			2021	2021	2021	2021	2021	1 month		12 months	
			Jun	Jul	Aug	Sep	Oct	2021	2021	2021	2021
								Sep	Oct	Sep	Oct
<b>Inputs of Metals and Non-Metallic Mineral products</b>	FSQ8	7390333351	142.9	145.8r	147.0	147.8p	149.7p	0.6	1.3	20.0	21.3
Cement, lime, plaster and articles of concrete, cement & plaster	GHGF	7390333375	118.6r	120.6r	122.5	123.3p	124.6p	0.6	1.0	11.8	12.3
Glass, refractory clay, porcelain, ceramic and stone products	GHGH	7390333374	115.8	117.4	118.6	119.4p	120.8p	0.7	1.1	8.8	9.4
Basic iron, steel & alloys, tubes, pipes, hollow profiles and fittings	GHGJ	7390333369	149.3	154.0	156.4	157.6p	158.3p	0.8	0.4	28.8	28.2
Other basic metals & casting	GHGL	7390333368	157.2r	157.6	157.2	157.5p	159.7p	0.2	1.4	23.6	24.9
Weapons & ammunition	GHGN	7390254000	119.5r	120.6r	122.2	122.8p	124.1p	0.6	1.0	7.7	8.5
Fabricated metal products excluding weapons & ammunition	GHGP	7390333365	133.2r	136.4r	138.4	139.2p	141.0p	0.6	1.3	18.3	19.2
<b>Inputs of Chemicals</b>	FSQ7	7490333352	119.4r	121.4r	122.9	123.6p	124.4p	0.6	0.6	12.6	12.7
Paints, varnishes & coatings, printing inks & other mastics	GHFP	7390203000	123.3r	125.4r	126.9	127.6p	128.5p	0.6	0.7	13.5	13.9
Soap, detergents, cleaning & polishing preparations, perfumes & toilet preparations	GHFR	7390204000	114.7r	116.2r	117.8	118.6p	119.6p	0.7	0.8	7.7	8.3
Other chemical products	GHFT	7390205000	115.2r	117.3r	119.4	120.0p	120.5p	0.5	0.4	10.5	10.6
Industrial gases, inorganic chemicals, fertilisers & nitrogen compounds	GHFV	7390333378	120.5	123.1	127.1	127.5p	128.4p	0.3	0.7	16.8	14.4
Petrochemicals	GHFX	7390333377	127.9	131.3r	132.8	134.1p	135.7p	1.0	1.2	22.8	23.0
Dyes & pigments; pesticides & other agro-chemical products	GHFZ	7390333376	121.9	123.8	125.2	126.5p	128.0p	1.0	1.2	12.3	13.1
Basic pharmaceutical products & pharmaceutical preparations	GHGB	7390210000	110.0	110.8	111.7	112.2p	112.5p	0.4	0.3	3.6	3.1
Rubber & plastic products	GHGD	7390220000	121.1	123.5	125.0	125.6p	126.6p	0.5	0.8	13.7	13.9
<b>Other parts &amp; equipment</b>	FSQ9	7490333349	108.8	109.0	109.4	109.9p	110.1p	0.5	0.2	-0.8	-0.7
Computer, electronic & optical products	GHGR	7390260000	115.4	116.3	116.8	117.1p	117.7p	0.3	0.5	4.4	4.8
Electrical equipment	GHGT	7390270000	121.0	122.2	123.1	123.8p	124.5p	0.6	0.5	8.2	8.4
Machinery & equipment n.e.c	GHGV	7390280000	123.5	125.2r	126.3	126.9p	128.2p	0.5	1.0	10.1	11.0
Motor vehicles, trailers & semi-trailers	GHGX	7390290000	118.0	119.1	119.8	120.4p	121.1p	0.5	0.5	6.7	7.0
Ships & boats	GHGZ	7390301000	121.0	124.5	125.9	126.6p	127.5p	0.5	0.7	11.1	11.5
Aircraft, spacecraft & related machinery	GHHB	7390303000	122.1	123.5	124.0	124.6p	125.4p	0.5	0.7	5.4	5.9
Other transport equipment	GHHD	7390333358	111.2	112.0r	112.7	113.1p	113.4p	0.3	0.3	3.3	3.5
<b>Other Inputs</b>	FSQ6	7490111196	108.0	108.2	108.2	108.3p	108.5p	0.1	0.2	-0.8	-0.6
Printing & recording services	GHFL	7390180000	111.1r	112.2r	113.5	114.7p	115.5p	1.1	0.7	7.7	8.0
Furniture	GHHF	7390310000	127.2r	132.4	137.1	137.5p	139.1p	0.3	1.1	20.5	20.9
Other manufactured goods n.e.c	GHHH	7390320000	125.5	127.1	128.0	128.4p	129.8p	0.4	1.1	11.8	12.6
Repair & maintenance of ships and boats	GHHJ	7390331500	124.1r	127.3r	129.3	129.9p	130.9p	0.4	0.8	15.1	15.4
Repair & maintenance of aircraft and spaceships	GHHL	7390331600	106.2	106.6	106.7	106.9p	107.2p	0.1	0.3	-9.3	-9.0
Rest of repair and installation	GHHN	7390333355	115.4	116.7	118.0	118.6p	120.0p	0.5	1.2	9.4	10.2
<b>Imported materials:</b>											
Total Imports	GD74	8170111199	118.7	119.9r	119.3	120.5p	121.1p	1.0	0.5	4.7	5.2

Source: Office for National Statistics

1 The Climate Change Levy was introduced in April 2001.

p = provisional  
r = revised

**Table 6R: Output prices: revisions (not seasonally adjusted) - CPA 2.1**

2015=100, CPA 2.1

Output of manufactured products				All manufacturing excluding food, beverages, tobacco and petroleum			
	Index (2015=100)	percentage change over			Index (2015=100)	percentage change over	
		1 mth	12 mths			1 mth	12 mths
	6150333333				6150333390		
	GB7S				GBBV		
2020 Oct	-	-	-		-	-	-
Nov	-	-	-		-	-	-
Dec	-	-	-		-	-	-
2021 Jan	-	0.1	-		-	-	-
Feb	-	-	-		-	-	-
Mar	-	-	-		-	-	-
Apr	0.1	-	-		-	-	-
May	0.1	-	-		0.1	-	0.1
Jun	0.1	-	0.1		-	0.1	-
Jul	-	-	0.1		0.1	-	-
Aug	0.1	-	0.1		0.1	0.1	0.1
Sep	0.3	0.2	0.3		0.1	0.1	0.1

Source: Office for National Statistics

Please see Statistical Bulletin section entitled "Revisions" for further information