

Statistical bulletin

# Producer price inflation, UK: July 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).



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# 1 . Main points

- The headline rate of output prices showed positive growth of 4.9% on the year to July 2021, up from 4.5% in June 2021.
- The headline rate of input prices showed positive growth of 9.9% on the year to July 2021, up from 9.7% in June 2021.
- Transport equipment, and metals and non-metallic minerals provided the largest upward contributions to the annual rates of output and input inflation respectively.

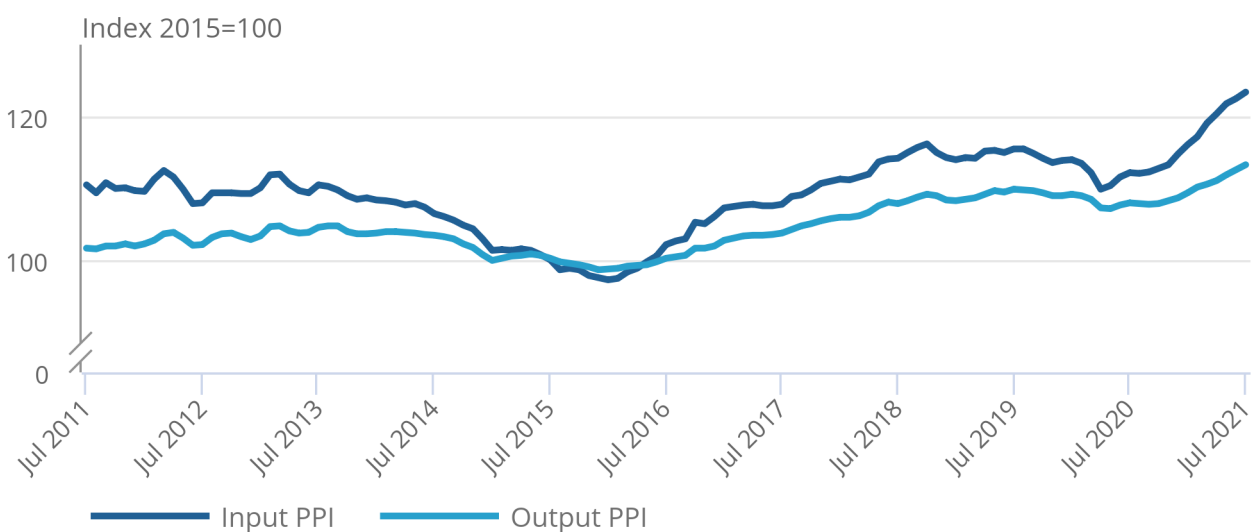
## 2 . Analysis

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

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

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

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



Source: Office for National Statistics – Producer Price Index

On the month, the rate of output inflation was 0.6% in July 2021, unchanged from June 2021 (Table 1).

Table 1: Output prices, index values, growth rates and percentage point change to the 12-month rate  
UK, July 2020 to July 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>July</b>	108.0	0.3	-1.7	0.0
<b>Aug</b>	107.9	-0.1	-1.7	0.0
<b>Sept</b>	107.8	-0.1	-1.7	0.0
<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	0.6	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	4.4	0.9
<b>June</b>	112.6	0.6	4.5	0.1
<b>July</b>	113.3	0.6	4.9	0.4

Source: Office for National Statistics - Producer price index

Notes

1. Rates may not correspond to index value changes due to rounding.

Transport equipment provided the largest upward contribution of 2.02 percentage points to the annual rate (Figure 2) but had negative annual price growth of 2.3% in July 2021 (Table 2).

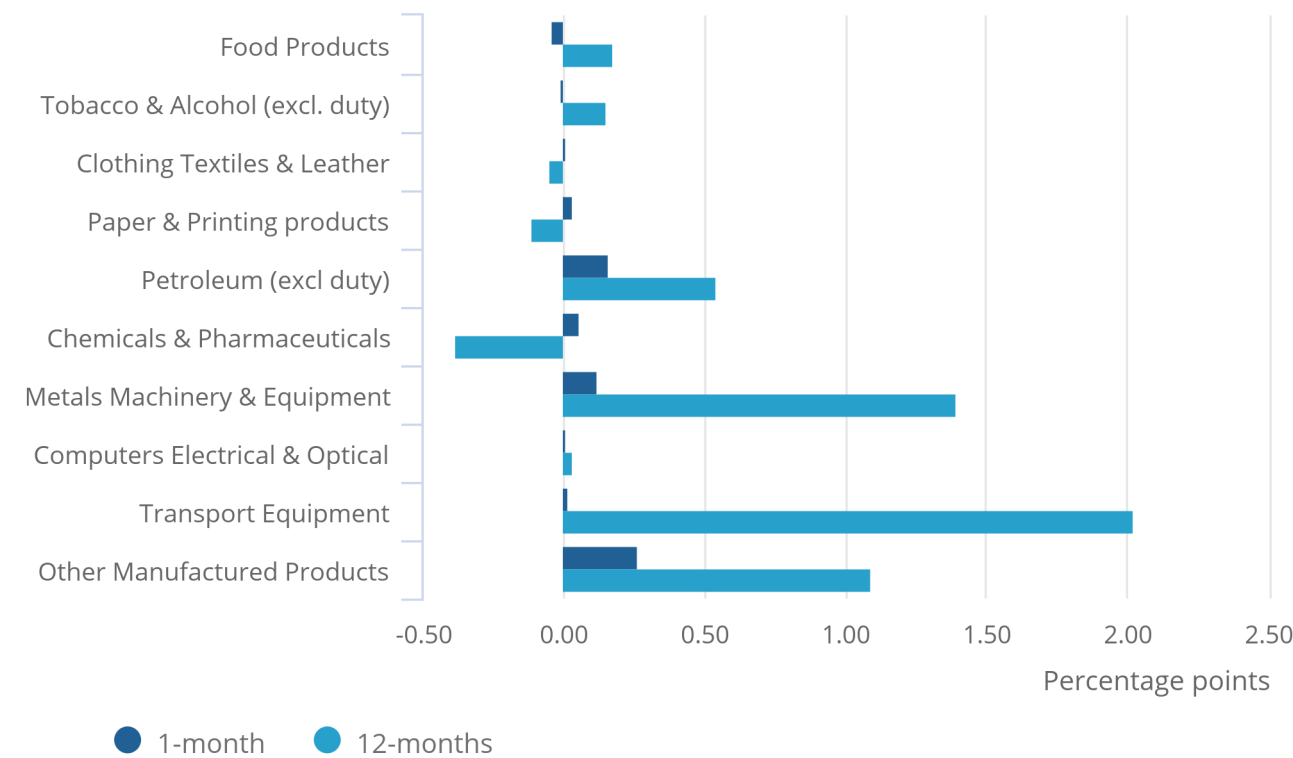
Despite showing negative annual growth, transport equipment provided an upward contribution to the annual rate. This is because of the weight changes implemented as part of the move to [annual chain-linking](#).

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, July 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, July 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, July 2021

Product group	Percentage Change	
	1-month rate	12-month rate
Food products	-0.2	2.2
Tobacco and alcohol (excl. duty)	-0.5	3.5
Clothing, textile and leather	0.5	1.7
Paper and printing	0.5	3.9
Petroleum products (excl. duty)	3.6	46.6
Chemical and pharmaceutical	1.2	7.2
Metal, machinery and equipment	0.8	8.1
Computer, electrical and optical	0.4	2.5
Transport equipment	0.2	-2.3
Other manufactured products	1.0	4.3
All manufacturing	0.6	4.9

Source: Office for National Statistics - Producer Price Index

The annual rate of output inflation increased by 0.4 percentage points from 4.5% in June 2021 to 4.9% in July 2021; this is the highest the annual rate of output inflation has been since December 2011. Petroleum products had the highest annual growth rate of any component of output prices in July 2021, at 46.6% (Table 2), but had a downward contribution to the change in the annual rate as it fell from 54.3% in June. This was mainly driven by a base effect as there was only a relatively small price movement of 3.6% on the month.

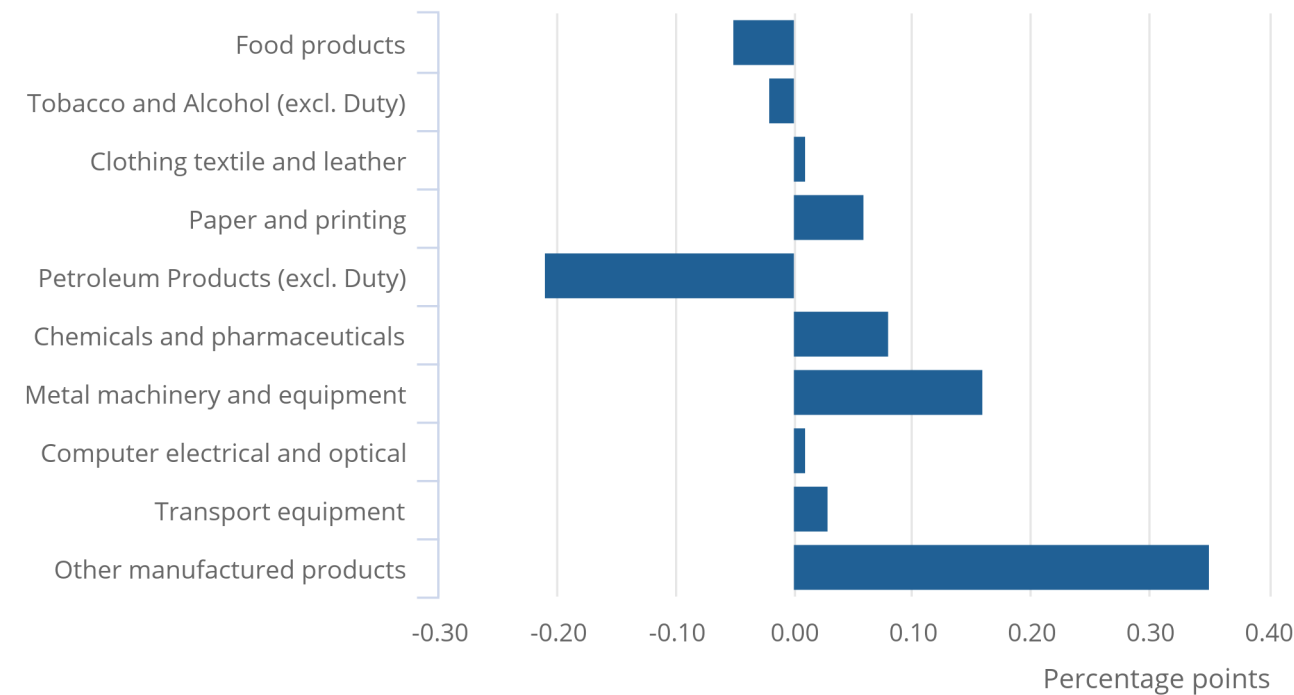
Of the 10 product groups, seven displayed upward contributions to the change in the rate, with other manufactured products providing the largest, at 0.35 percentage points (Figure 3). Annual growth rates for this product group were being driven by products of wood, cork, straw and plaiting materials for domestic market.

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

Output PPI, contribution to change in the annual rate, UK, July 2021

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

Output PPI, contribution to change in the annual rate, UK, July 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 0.8% in July 2021, up from 0.5% in June 2021 (Table 3).

Table 3: Input prices, index values, growth rates and percentage point change to the 12-month rate  
UK, July 2020 to July 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 July</b>	112.2	0.5	-2.8	0.1
<b>Aug</b>	112.1	-0.2	-3.0	-0.2
<b>Sept</b>	112.3	0.2	-2.2	0.8
<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>2021 Jan</b>	116.1	1.1	1.9	1.1
<b>Feb</b>	117.2	0.9	3.3	1.4
<b>Mar</b>	119.1	1.6	6.2	2.9
<b>Apr</b>	120.4	1.1	9.6	3.4
<b>May</b>	121.8	1.2	10.4	0.8
<b>June</b>	122.5	0.5	9.7	-0.7
<b>July</b>	123.4	0.8	9.9	0.2

Source: Office for National Statistics - Producer Price Index

Notes

1. Rates may not correspond to index value changes due to rounding.

The annual rate of imported inputs was 4.8% in July 2021 (Table 4), up from 4.6% in June 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, July 2020 to July 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
<b>2020 July</b>	114.6	0.8	-2.8	-0.3	76.9	0.0	1.2
<b>Aug</b>	114.2	-0.4	-4.4	-1.6	78.1	1.6	4.4
<b>Sept</b>	115.1	0.8	-2.5	1.9	77.2	-1.2	0.8
<b>Oct</b>	115.1	0.0	-1.1	1.4	77.4	0.3	-1.0
<b>Nov</b>	114.6	-0.4	-0.7	0.4	78.2	1.0	-1.8
<b>Dec</b>	115.8	1.1	1.0	1.7	78.0	-0.3	-3.2
<b>2021 Jan</b>	116.3	0.4	0.9	-0.1	79.0	1.3	-1.6
<b>Feb</b>	115.7	-0.5	0.2	-0.7	80.6	2.0	-0.1
<b>Mar</b>	117.0	1.2	0.8	0.6	81.7	1.4	6.4
<b>Apr</b>	118.5	1.2	5.5	4.7	81.3	-0.5	4.1
<b>May</b>	118.5	0.0	4.7	-0.8	82.0	0.9	6.4
<b>June</b>	119.0	0.4	4.6	-0.1	82.0	0.0	6.6
<b>July</b>	120.1	1.0	4.8	0.2	81.9	-0.1	6.5

Source: Office for National Statistics - Producer Price Index

#### Notes

1. Rates may not correspond to index value changes due to 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 4.0 percentage points (Figure 4) and had positive annual price growth of 18.6% in July 2021 (Table 5).

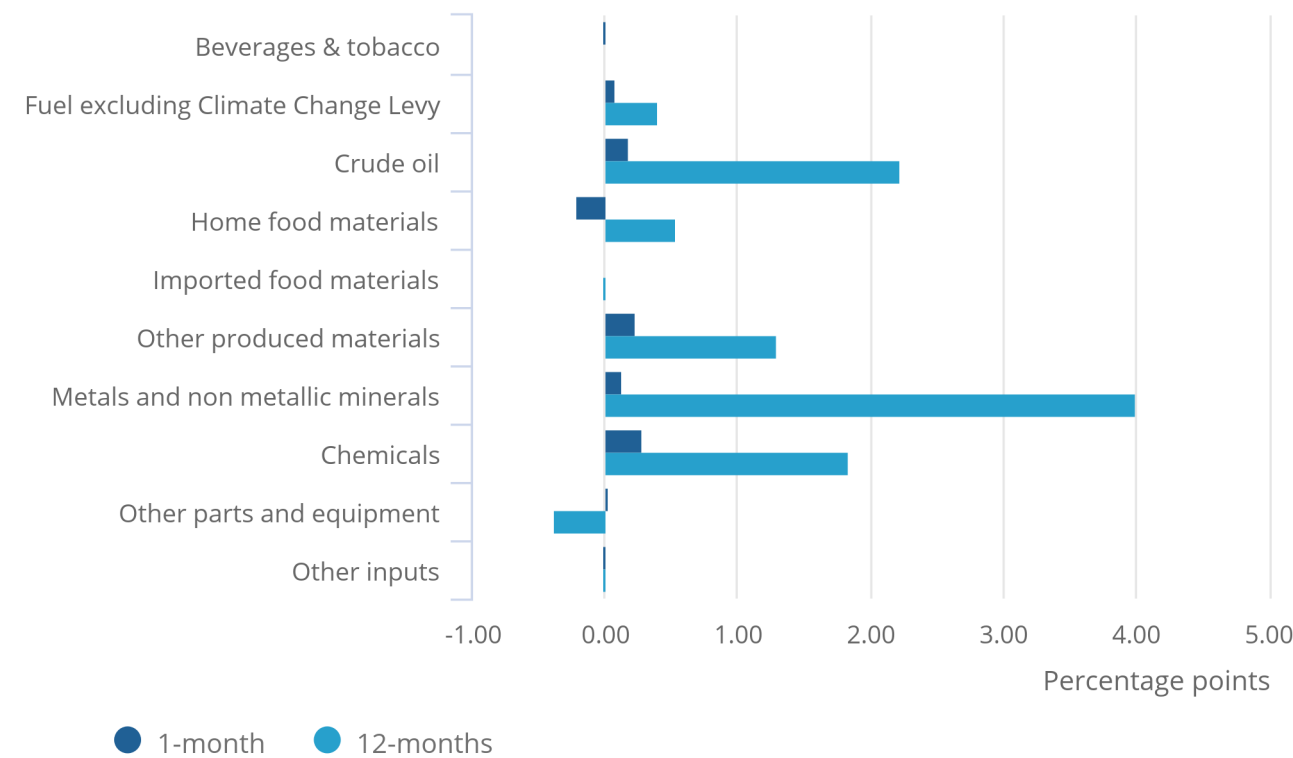


Figure 4: Metals and non-metallic minerals provided the largest upward contribution to the annual rate

Input PPI, contribution to 1-month and 12-month growth rate, UK, July 2021

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

Input PPI, contribution to 1-month and 12-month growth rate, UK, July 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, July 2021

Product group	Percentage change	
	1-month rate	12-month rate
<b>Beverages &amp; tobacco</b>	0.1	2.7
<b>Fuel excluding Climate Change Levy</b>	2.7	14.4
<b>Crude oil</b>	3.1	52.7
<b>Home food materials</b>	-1.5	4.3
<b>Imported food materials</b>	0.7	3.2
<b>Other produced materials</b>	2.3	12.6
<b>Metals &amp; non-metallic minerals</b>	0.6	18.6
<b>Chemicals</b>	1.7	10.8
<b>Other parts and equipment</b>	0.1	-1.8
<b>Other inputs</b>	0.1	-1.1
<b>All manufacturing</b>	0.8	9.9

Source: Office for National Statistics - Producer price index

The annual input inflation rate increased by 0.2 percentage points from 9.7% in June 2021 to 9.9% in July 2021. Crude oil had the highest annual growth rate of any component of input prices in July 2021, at 52.7% (Table 5), but had a downward contribution to the change in the annual rate as it fell from 60.0% in June. This was mainly driven by a base effect as there was only a relatively small price movement of 3.1% on the month.

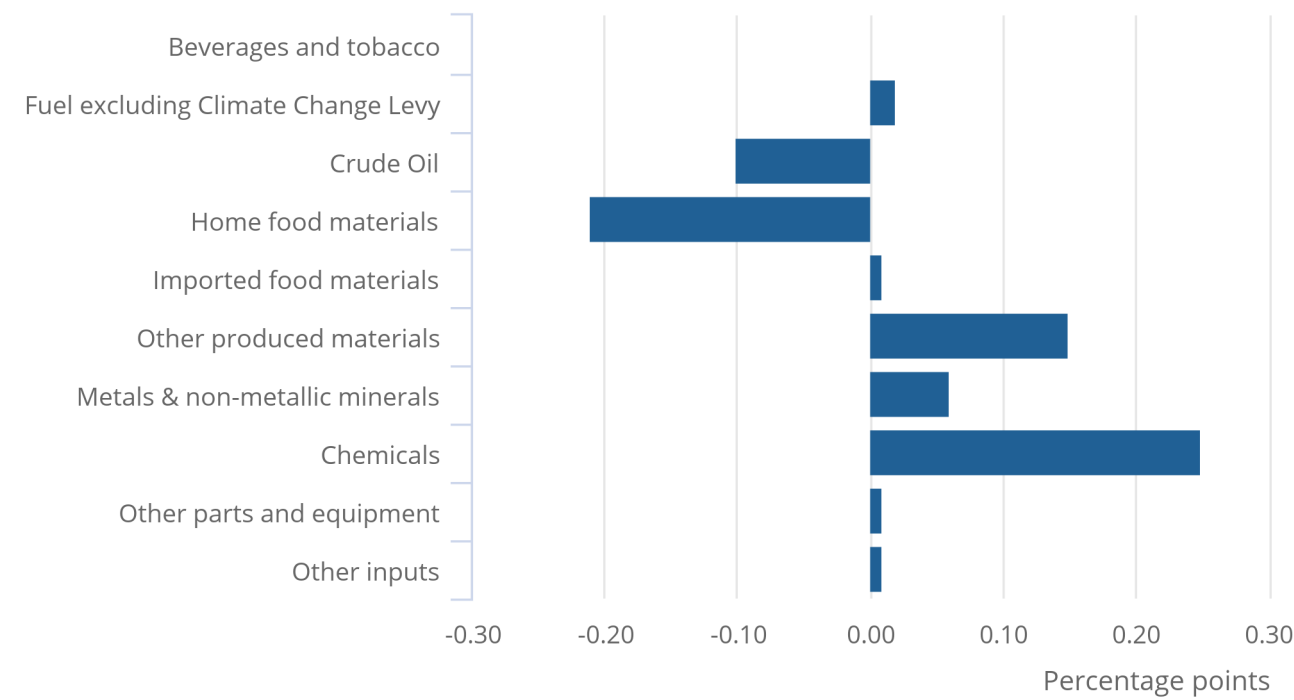
Of the 10 product groups, seven displayed upward contributions to the change in the rate, with chemicals providing the largest, at 0.25 percentage points (Figure 5). Annual growth rates for this product group were being driven by other organic basic chemicals for domestic market.

**Figure 5: Chemicals provided the largest upward contribution to the change in the annual rate**

Input PPI, contribution to change in the annual rate, UK, July 2021

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

Input PPI, contribution to change in the annual rate, UK, July 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 18 August 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 18 August 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 18 August 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

### 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

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 Producer Price Index (PPI) and the Services Producer Price Index (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](#)
- [PPI methods and guidance](#)
- [SPPI user guidance and methodology article](#)
- [PPI standard errors article and SPPI standard errors article](#)

## Office for Statistics Regulation (OSR) publishing review

The Office for Statistics Regulation (OSR) is [undertaking a review](#) into whether the 9:30am release time stated in the [Code of Practice for Statistics](#) meets the needs of users. During the pandemic, exemptions were granted to allow the release of market sensitive statistics at 7:00am.

## Sterling effective exchange rate

The sterling effective exchange rate measures changes in the strength of sterling relative to basket 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.

## 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 in July 2021

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

Table 6: Overall effective response rates at time of first publishing  
Percentage, July 2020 to July 2021

	<b>Weighted response</b>		
	<b>PPI (domestic)</b>	<b>IPI</b>	<b>EPI</b>
<b>July 2020</b>	74.2	69.8	65.4
<b>August 2020</b>	73.7	70.5	67.0
<b>September 2020</b>	77.6	74.0	68.7
<b>October 2020</b>	77.2	72.4	65.1
<b>November 2020</b>	77.5	74.7	68.4
<b>December 2020</b>	73.5	71.9	76.6
<b>January 2021</b>	74.8	70.7	58.7
<b>February 2021</b>	75.3	74.2	62.3
<b>March 2021</b>	73.9	75.5	65.4
<b>April 2021</b>	79.0	72.6	60.3
<b>May 2021</b>	75.5	77.1	62.7
<b>June 2021</b>	77.1	75.3	64.8
<b>July 2021</b>	71.1	68.2	70.7

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

### [Construction output in Great Britain: new orders and Construction Output Price Indices](#)

Bulletin | Released quarterly

A summary of the Construction Output Price Indices (OPIs) in the UK.

### [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 sources of coronavirus information from the Office for National Statistics (ONS)

Various articles have been published that help describe the ONS response to how the coronavirus 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: March 2021](#) (published 12 May 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 the coronavirus on the UK economy and population](#) are also available.

The ONS has released a [public statement](#) on the coronavirus and the production of statistics, and any specific queries on this can be directed to 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 (2015=100)				Index (2015=100)				Index (2015=100)				Index (2015=100)			
1 mth				1 mth				1 mth				1 mth			
12 mths				12 mths				12 mths				12 mths			
6150333333				6150333390				6140190000				6150888897			
GB7S				GBBV				G6ST				GBA6			
2021 Jan	109.4	0.6	0.2	111.1	0.5	1.6		108.3	6.2	-21.1		107.7	0.4	1.5	
Feb	110.2	0.7	1.0	111.4	0.3	1.6		117.1	8.1	-7.9		108.4r	0.6	1.9	
Mar	110.6	0.4	1.9	111.5	0.1	1.4		124.5	6.4	14.9		108.8r	0.4	1.8	
Apr	111.1	0.4	3.5	112.1r	0.5	1.9		125.9	1.1	51.9		108.9r	0.1	2.1	
May	111.9	0.7	4.4	112.9	0.7	2.4		131.1	4.1	68.4		109.3	0.4	2.5	
Jun	112.6p	0.6	4.5	113.6p	0.6	3.1		137.6p	4.9	54.3		109.4p	0.1	2.5	
Jul	113.3p	0.6	4.9	114.4p	0.7	3.9		142.5p	3.6	46.6		109.3p	-0.1	2.4	

p = provisional  
r = revised

Source: Office for National Statistics

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 (2015=100)				Index (2015=100)				Index (2015=100)			
1 mth				1 mth				1 mth			
12 mths				12 mths				12 mths			
6158333333				6158888897				6148190000			
GD73				GBA7				G6SU			
2021 Jan	109.3	0.6	0.2	108	0.5	1.4		103.4	2.6	-10.6	
Feb	110.0	0.6	1.1	108.6	0.6	1.7		107	3.5	-4.0	
Mar	110.4	0.4	1.9	108.9	0.3	1.7		110.1	2.9	6.0	
Apr	110.9	0.4	3.3	109.1	0.2	2.1		110.7	0.6	18.9	
May	111.7	0.7	4.2	109.5	0.4	2.5		112.8	1.9	24.2	
Jun	112.4p	0.6	4.3	109.5p	0.1	2.4		115.5p	2.4	21.1	
Jul	113.0p	0.6	4.7	109.4p	-0.1	2.2		117.5p	1.8	19.0	

p = provisional  
r = revised

Source: Office for National Statistics



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																
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					
<div><div>percentage change over</div></div>				<div><div>percentage change over</div></div>				<div><div>percentage change over</div></div>			<div><div>percentage change over</div></div>					
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		
7390333333				7390333392				7390333397			7390333394					
GHIP				GHIO				GHIK			GHIM					
2021 Jan	116.1	1.1	1.9	116.5r	1.0	3.8		115.9	1.2	1.9		123.3	-0.6	2.0		
Feb	117.2	0.9	3.3	117.2	0.5	4.0		117.0	0.9	3.2		124.2	0.7	4.9		
Mar	119.1	1.6	6.2	119.0	1.5	4.8		118.9	1.6	6.1		125.2	0.8	9.2		
Apr	120.4r	1.1	9.6	120.4r	1.2	6.8		120.3r	1.2	9.6		123.1	-1.7	10.6		
May	121.8	1.2	10.4	121.3	0.7	7.4		121.8	1.2	10.2		124.2	0.9	17.5		
Jun	122.5p	0.5	9.7	122.0p	0.5	7.8		122.5p	0.6	9.6		120.7p	-2.8	12.6		
Jul	123.4p	0.8	9.9	123.1p	0.9	8.7		123.4p	0.7	9.8		123.8p	2.6	13.5		

Source: Office for National Statistics

1 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		Percentage change				
								1 month		12 months				
								2021	2021	2021	2021			
								Mar	Apr	May	Jun	Jul	Jun	Jul
Gross Sector														
Output of manufactured products	GB7S	6158333333	110.6	111.1	111.9	112.6p	113.3p	0.6	0.6	4.5	4.9			
All manufacturing, excluding food, beverages, tobacco and petroleum	GBBV	6150333390	111.5	112.1r	112.9	113.6p	114.4p	0.6	0.7	3.1	3.9			
Food products, beverages and tobacco, excluding duty	GBA6	6150888897	108.8r	108.9r	109.3	109.4p	109.3p	0.1	-0.1	2.5	2.4			
Food products	G6SI	6140100000	108.0r	108.6r	109.2	109.1p	108.9p	-0.1	-0.2	2.4	2.2			
Alcoholic beverages,excluding duty	G6SJ	6140110000	110.6	107.8	107.1	108.2p	108.4p	1.0	0.2	3.1	3.2			
Soft drinks, mineral waters and other bottled waters	EVPU	6120110700	105.0	105.2	104.6	105.7p	107.0p	1.0	1.2	1.3	2.8			
Textiles	G6SN	6140130000	107.0	107.1	107.1	107.6p	108.2p	0.4	0.6	1.5	2.1			
Wearing apparel	G6SO	6140140000	106.7	106.7	106.7	106.7p	106.7p	-	-	-0.1	0.3			
Leather and related products	G6SP	6140150000	103.0	103.6	103.6	103.6p	104.1p	-	0.5	0.7	0.9			
Wood and products of wood and cork, except furniture	G6SQ	6140160000	120.9r	122.2r	125.2	130.0p	134.7p	3.8	3.6	15.0	19.0			
Paper and paper products	G6SR	6140170000	106.9	108.0	109.2	111.5p	112.4p	2.1	0.8	4.9	5.9			
Printing and recording services	G6SS	6140180000	103.4	103.4	103.5	103.7p	103.8p	0.2	0.1	1.1	1.7			
Coke and refined petroleum products, excluding duty	G6ST	6140190000	124.5	125.9	131.1	137.6p	142.5p	4.9	3.6	54.3	46.6			
Chemicals and chemical products	G6SV	6140200000	116.8	117.2r	118.7	120.0p	121.4p	1.1	1.2	8.4	9.8			
Basic pharmaceutical products and pharmaceutical preparations	G6SW	6140210000	105.9	105.9	105.4	103.8p	104.9p	-1.6	1.1	-2.4	-1.3			
Rubber and plastic products	G6SX	6140220000	111.4	113.1	115.0	115.8p	117.3p	0.8	1.2	7.0	8.2			
Other non-metallic mineral products	G6SY	6140230000	111.5r	111.8	113.8	114.0p	114.9p	0.2	0.8	3.3	4.2			
Basic metals	G6SZ	6140240000	145.9r	149.6r	151.5	155.5p	155.7p	2.6	0.1	23.9	24.5			
Fabricated metal products, except machinery and equipment	G6T3	6140250000	114.3r	114.6r	115.6	117.7p	119.3p	1.8	1.4	4.7	6.2			
Computer, electronic and optical products	G6T5	6140260000	105.5	105.7	105.6	105.7p	106.1p	-	0.4	-0.4	0.1			
Electrical equipment	G6VF	6140270000	111.4	112.2	112.3	113.7p	114.2p	1.3	0.4	5.1	5.2			
Machinery and equipment n.e.c.	G6VG	6140280000	108.0r	108.3r	108.6	109.4p	109.1p	0.7	-0.2	1.8	1.5			
Motor vehicles, trailers and semi-trailers	G6WH	6140290000	108.9	109.3	109.5	109.4p	109.6p	-0.1	0.2	1.1	1.4			
Other transport equipment	G72N	6140300000	105.5	105.5	105.4	105.7p	105.8p	0.2	0.2	-7.6	-7.3			
Furniture	G75I	6140310000	108.8	109.3	109.4	109.8p	110.1p	0.4	0.2	2.1	2.3			
Other manufactured goods	G776	6140320000	101.4	101.3	102.0	102.1p	102.1p	0.1	-	-2.5	-2.3			
Repair and installation services of machinery and equipment	G777	6140330000	112.2r	112.3	112.1	109.4p	109.5p	-2.5	0.1	-3.5	-2.9			

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	2021	2021	2021	2021	2021
			Mar	Apr	May	Jun	Jul	Jun	Jul	Jun	Jul
Gross sector											
Other mining & quarrying products	GHEA	7390080000	114.1	114.5	115.3	116.2p	117.5p	0.8	1.1	6.4	6.8
Manufacture of food products, beverages, tobacco	GHHV	7390888897	115.4r	116.5	119.7	117.6p	116.7p	-1.7	-0.8	5.8	4.8
Preserved meat & meat products	GHEF	7390101000	117.6r	118.2	121.5	119.4p	117.4p	-1.8	-1.6	6.6	4.3
Fish, crustaceans, molluscs, fruit & vegetables	GHEH	7390333387	113.7	120.1r	132.6	121.3p	119.7p	-8.5	-1.3	6.3	6.2
Vegetable & animal oils & fats	GHEJ	7390104000	124.8	125.2	126.9	129.2p	129.8p	1.8	0.4	12.6	12.2
Dairy products	GHEL	7390105000	122.8r	123.4r	127.5	124.8p	122.7p	-2.1	-1.7	8.3	5.8
Grain mill products, starches & starch products	GHEN	7390106000	117.2	117.5r	119.6	118.9p	118.0p	-0.6	-0.7	6.7	5.3
Bakery & farinaceous products	GHEP	7390107000	111.7r	112.3	112.8	113.2p	113.6p	0.4	0.3	4.7	4.8
Other food products	GHER	7390108000	109.7	110.1	110.7	110.6p	110.9p	-	0.2	2.6	2.8
Animal feeds	GHET	7390109000	117.7r	118.2	120.4	119.5p	118.9p	-0.7	-0.5	6.5	5.3
Alcoholic Beverages	GHEV	7390333384	113.4	112.6	113.3	113.4p	113.6p	0.1	0.2	5.0	4.9
Soft drinks; mineral waters & other bottled waters	GHEX	7390110700	109.4	110.0	110.4	110.8p	111.7p	0.4	0.7	3.0	3.6
Tobacco products	GHEZ	7390120000	119.5	120.2	123.9	122.6p	121.3p	-1.1	-1.1	9.2	7.1
Manufacture of textiles & textile products; clothing	GHHW	7390888895	110.4	110.8r	111.2	111.4p	112.4p	0.2	0.9	1.6	2.5
Textiles	GHFB	7390130000	111.2	111.7	112.2	112.5p	113.6p	0.3	1.0	2.8	3.8
Wearing apparel	GHFD	7390140000	109.0	109.3	109.3	109.4p	110.2p	0.1	0.8	-0.5	0.3
Manufacture of leather & related products	GHFF	7390150000	109.3	110.0	110.6	110.8p	111.8p	0.2	0.9	2.1	2.9
Manufacture of wood & wood products	GHFH	7390160000	124.7r	126.5r	128.8	132.4p	137.6p	2.8	3.9	13.9	18.0
Manufacture of pulp, paper & paper products, recording media & printing services	GHHZ	7390888892	110.7	111.6	112.7	114.1p	115.5p	1.3	1.2	5.4	6.6
Pulp, paper & paper products	GHFJ	7390170000	112.7r	113.7	114.9	116.4p	118.3p	1.3	1.6	6.3	7.8
Printing & recording services	GHFL	7390180000	108.2	108.9r	109.7	110.9p	111.8p	1.1	0.7	4.1	4.9
Manufacture of coke & refined petroleum products	GHFN	7390190000	134.6	135.6	137.5	147.4p	151.9p	7.2	3.0	54.9	48.7
Manufacture of chemicals, chemical products & man-made fibres	GHIB	7390888890	117.8	119.2	121.0	122.7p	125.0p	1.4	1.9	12.5	14.3
Paints, varnishes & similar coatings, printing ink & mastics	GHFP	7390203000	119.0r	120.1	122.0	123.3p	125.4p	1.0	1.7	10.4	12.3
Soaps, detergents, cleaning & polishing preparations, perfumes & toilet preparations	GHFR	7390204000	111.7	112.6	113.8	114.6p	116.0p	0.7	1.3	4.2	5.4
Other chemical products	GHFT	7390205000	112.0	113.1	114.3	115.1p	117.2p	0.7	1.8	6.0	7.9
Industrial gases; other basic inorganic chemicals; fertilisers & nitrogen compounds	GHFV	7390333378	118.1r	118.9r	119.8	120.7p	122.0p	0.7	1.1	10.6	11.5
Petrochemicals & man made fibres	GHFX	7390333377	120.7	122.7	125.4	128.0p	131.2p	2.1	2.4	18.2	20.6
Dyes & pigments: pesticides & other agrochemical products	GHFZ	7390333376	118.7	119.5	120.8	122.0p	123.5p	0.9	1.2	10.1	11.3
Manufacture of basic pharmaceutical products & pharmaceutical preparations	GHGB	7390210000	109.3	109.9	110.3	109.9p	110.9p	-0.3	0.8	1.4	2.1
Manufacture of rubber & plastic products	GHGD	7390220000	116.5	118.1	120.1	121.1p	123.4p	0.9	1.9	10.1	12.0
Manufacture of cement, lime & plaster	GHGF	7390333375	115.5	116.3	117.8	118.5p	119.6p	0.6	1.0	7.7	8.4
Manufacture of glass, refractory, clay, other porcelain, ceramic stone products	GHGH	7390333374	113.5	113.9r	114.8	115.8p	116.9p	0.9	1.0	5.8	6.4
Manufacture of basic metals & fabricated products	GHIF	7390888884	136.1r	138.9r	140.1	140.6p	141.3p	0.4	0.5	18.9	18.9
Basic iron, steel & alloys: tubes, pipes, hollow profiles	GHGJ	7390333369	142.2r	145.7r	147.6	149.1p	150.2p	1.1	0.7	23.1	23.5
Other basic metals & casting	GHGL	7390333368	155.1r	159.7r	160.1	157.0p	155.9p	-1.9	-0.7	30.8	28.0
Weapons & ammunition	GHGN	7390254000	116.9	117.4r	118.7	119.4p	120.2p	0.6	0.6	5.1	5.6
Fabricated metal products, excluding machinery & equipment & weapons & ammunition	GHGP	7390333365	128.4r	130.5r	131.8	133.3p	134.6p	1.2	0.9	14.0	14.8
Manufacture of computer, electronic & optical products, electrical equipment	GHIG	7390888883	116.2	117.3r	117.7	118.1p	118.8p	0.3	0.6	5.1	5.3
Computer, electronic & optical products	GHGR	7390260000	114.3	115.1r	115.4	115.4p	116.2p	-	0.7	3.6	4.0
Electrical equipment	GHGT	7390270000	118.4	119.8r	120.3	121.1p	121.7p	0.6	0.5	6.8	6.8
Manufacture of machinery & equipment n.e.c	GHGV	7390280000	120.5r	122.1	122.7	123.6p	124.4p	0.7	0.7	7.8	8.3
Manufacturing of motor vehicles & other transport equipment	GHII	7390888881	117.1	118.5	118.9	119.2p	119.8p	0.2	0.5	4.7	5.2
Motor vehicles, trailers & semi trailers	GHGX	7390290000	115.9r	117.3	117.8	118.0p	118.6p	0.2	0.5	5.1	5.6
Ships & boats	GHGZ	7390301000	117.6r	119.0	119.8	121.2p	122.2p	1.2	0.9	6.5	7.3
Aircraft & spacecraft & related machinery	GHHB	7390303000	120.1r	121.7r	122.1	122.2p	122.9p	0.1	0.6	3.8	4.2
Other transport equipment	GHHD	7390333358	109.7	110.4	110.5	111.1p	111.2p	0.5	0.1	1.5	1.5
Manufacture of other manufactured goods n.e.c	GHIJ	7390888880	121.8r	123.6r	124.9	126.4p	128.6p	1.1	1.8	11.6	13.3
Furniture	GHHF	7390310000	120.7r	122.5	124.5	127.4p	131.5p	2.4	3.2	12.4	15.8
Other manufacturing	GHHH	7390320000	122.7r	124.5r	125.3	125.5p	126.3p	0.2	0.7	11.0	11.3
Repair of maintenance of ships & boats	GHHJ	7390331500	120.3	121.8r	122.5	124.3p	124.7p	1.5	0.3	10.2	10.1
Repair & maintenance services of aircraft & spacecraft	GHHL	7390331600	107.5	107.6	107.4	106.2p	106.6p	-1.1	0.4	-11.1	-10.4
Other repair; installation	GHHN	7390333355	113.2r	113.9	114.4	115.4p	115.8p	0.9	0.4	6.4	6.4

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		Percentage change	
								1 month		12 months	
			2021	2021	2021	2021	2021	2021	2021	2021	2021
			Mar	Apr	May	Jun	Jul	Jun	Jul	Jun	Jul
<b>Fuel excl. CCL</b>	FSQ3	7490222295	126.4	124.1r	125.1	121.5p	124.8p	-2.9	2.7	13.8	14.4
Mining of coal & lignite exc CCL	GHDW	7390050000	115.9	115.9r	117.1	121.0p	122.2p	3.4	0.9	14.7	14.3
Electricity excl. CCL	GHHP	7390351000	128.6	126.4r	127.0	124.1p	127.4p	-2.3	2.7	13.8	13.9
Gas excl. CCL	GHHR	7390444499	114.4	113.2	117.7	117.0p	119.3p	-0.6	2.0	26.5	30.2
<b>Crude Oil</b>	FSQ4	7490444498	137.1	138.4	140.2	150.7p	155.4p	7.5	3.1	60.0	52.7
Domestic crude oil & metal ores	GGT3	7190222295	138.4	140.3	141.8	154.1p	157.6p	8.6	2.3	59.4	54.7
Imported crude oil & metal ores	GHBV	7290222295	135.0	135.1	137.4	144.9p	151.8p	5.5	4.7	61.2	49.1
<b>Home produced food:</b>	FSP7	7190351000	115.5r	117.2	121.5	118.2p	116.4p	-2.7	-1.5	6.2	4.3
Products of agriculture, hunting and related services	GGO7	7190010000	130.2	131.1r	138.1	132.5p	128.1p	-4.1	-3.3	10.9	5.7
Fish & other fish products	GGS8	7190030000	104.4r	131.0r	178.6	134.7p	129.3p	-24.6	-4.0	13.3	16.7
Preserved meat and meat products	GH2M	7190101000	103.7	104.7r	105.7	105.5p	104.4p	-0.1	-1.0	2.2	1.3
Processed fish & fish products; fruit & vegetables	GH7R	7190333387	108.2	109.0	109.2	107.4p	107.4p	-1.7	-	-0.6	-0.7
Vegetable & animal oils and fats	GH7S	7190104000	117.4	118.3r	120.5	124.0p	124.2p	2.9	0.2	7.7	7.3
Dairy products	GH8A	7190105000	117.4r	118.5r	119.1	119.4p	119.5p	0.3	-	4.5	4.7
Grain mill products, starches and starch products	GH8B	7190106000	114.2	114.5	114.7	115.1p	114.4p	0.3	-0.6	7.0	6.2
Bakery and Farinaceous products	GH8C	7190107000	107.4	107.7	107.9	107.6p	107.7p	-0.3	0.1	1.3	1.3
Other Food products	GH8L	7190108000	101.6	101.9	101.9	102.1p	102.1p	0.1	0.1	0.4	0.5
Prepared animal feeds	GH98	7190109000	118.3	118.6	120.1	120.9p	122.1p	0.7	1.0	6.0	6.6
<b>Imported food materials</b>	FSP9	7490333354	119.1r	118.5r	118.5	119.1p	119.9p	0.5	0.7	2.5	3.2
Agricultural crop products	GHBQ	7290010000	115.4r	110.9r	112.8	113.2p	112.3p	0.3	-0.8	6.1	5.9
Fish & fish products	GHBS	7290030000	124.9	125.5	125.3	126.4p	127.3p	0.9	0.7	-0.4	-2.4
Meat & meat products	GHBX	7290101000	113.9r	117.9r	116.5	117.8p	119.6p	1.1	1.5	-0.6	1.1
Processed fish & fish products, fruit & vegetables	GHBY	7290333387	112.3	112.8r	112.4	113.1p	113.6p	0.5	0.5	-4.8	-3.3
Vegetable & animal oils & fats	GHBZ	7290104000	158.9	157.7	157.3	157.5p	158.9p	0.1	0.9	26.1	24.5
Dairy products	GHCA	7290105000	92.1	102.3	96.9	100.1p	101.0p	3.3	0.9	3.8	10.0
Grain mill products & starches	GHCB	7290106000	123.9	125.8r	125.6	125.9p	130.3p	0.2	3.5	-2.0	1.1
Bakery & farinaceous products	GHCC	7290107000	119.5	120.5	120.2	119.6p	120.1p	-0.5	0.4	-3.8	-4.3
Other food products	GHCD	7290108000	131.4	127.4	126.7	126.8p	128.7p	-	1.5	0.3	0.2
Prepared animal feeds	GHCE	7290109000	120.0	120.4	121.5	121.3p	119.7p	-0.2	-1.3	-4.3	-6.0
<b>Other home produced materials</b>	FSQ2	7490333353	114.1r	115.2	116.8	120.1p	122.9p	2.9	2.3	10.8	12.6
Forestry products	GGP2	7190020000	173.0	173.0	173.0	173.0p	173.0p	-	-	15.9	15.9
Other mining & quarrying products exc agg	GH2L	7190080000	111.4	112.5	112.5	112.8p	113.5p	0.2	0.7	2.7	3.2
Textiles	GHAЕ	7190130000	107.0	107.1	107.1	107.6p	108.2p	0.4	0.6	1.5	2.1
Wearing Apparel	GHAF	7190140000	106.7	106.7	106.7	106.7p	106.7p	-	-	-0.1	0.3
Leather and related products	GHAG	7190150000	103.0	103.6	103.6	103.6p	104.1p	-	0.5	0.7	0.9
Wood and products of wood and cork, exc furniture	GHAH	7190160000	120.9r	122.2r	125.2	130.0p	134.7p	3.8	3.6	15.0	19.0
Paper and paper products	GHAІ	7190170000	106.9	108.0	109.2	111.5p	112.4p	2.1	0.8	4.9	5.9
Coke & refined petroleum products	GHAK	7190190000	124.5	125.9	131.1	137.6p	142.5p	4.9	3.6	54.3	46.6
Water collection, treatment & supply	GHBP	7190360000	104.5	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**

2015=100, CPA 2.1											
								Percentage change		Percentage change	
			2021	2021	2021	2021	2021	1 month		12 months	
			Mar	Apr	May	Jun	Jul	2021	2021	2021	2021
								Jun	Jul	Jun	Jul
<b>Inputs of Metals and Non-Metallic Mineral products</b>	FSQ8	7390333351	137.9r	141.0r	142.4	143.1p	143.9p	0.5	0.6	18.2	18.6
Cement, lime, plaster and articles of concrete, cement & plaster	GHGF	7390333375	115.5	116.3	117.8	118.5p	119.6p	0.6	1.0	7.7	8.4
Glass, refractory clay, porcelain, ceramic and stone products	GHGH	7390333374	113.5	113.9r	114.8	115.8p	116.9p	0.9	1.0	5.8	6.4
Basic iron, steel & alloys, tubes, pipes, hollow profiles and fittings	GHGJ	7390333369	142.2r	145.7r	147.6	149.1p	150.2p	1.1	0.7	23.1	23.5
Other basic metals & casting	GHGL	7390333368	155.1r	159.7r	160.1	157.0p	155.9p	-1.9	-0.7	30.8	28.0
Weapons & ammunition	GHGN	7390254000	116.9	117.4r	118.7	119.4p	120.2p	0.6	0.6	5.1	5.6
Fabricated metal products excluding weapons & ammunition	GHGP	7390333365	128.4r	130.5r	131.8	133.3p	134.6p	1.2	0.9	14.0	14.8
<b>Inputs of Chemicals</b>	FSQ7	7490333352	114.9	116.6	118.4	119.4p	121.4p	0.9	1.7	9.0	10.8
Paints, varnishes & coatings, printing inks & other mastics	GHFP	7390203000	119.0r	120.1	122.0	123.3p	125.4p	1.0	1.7	10.4	12.3
Soap, detergents, cleaning & polishing preparations, perfumes & toilet preparations	GHFR	7390204000	111.7	112.6	113.8	114.6p	116.0p	0.7	1.3	4.2	5.4
Other chemical products	GHFT	7390205000	112.0	113.1	114.3	115.1p	117.2p	0.7	1.8	6.0	7.9
Industrial gases, inorganic chemicals, fertilisers & nitrogen compounds	GHFV	7390333378	118.1r	118.9r	119.8	120.7p	122.0p	0.7	1.1	10.6	11.5
Petrochemicals	GHFX	7390333377	120.7	122.7	125.4	128.0p	131.2p	2.1	2.4	18.2	20.6
Dyes & pigments; pesticides & other agro-chemical products	GHFZ	7390333376	118.7	119.5	120.8	122.0p	123.5p	0.9	1.2	10.1	11.3
Basic pharmaceutical products & pharmaceutical preparations	GHGB	7390210000	109.3	109.9	110.3	109.9p	110.9p	-0.3	0.8	1.4	2.1
Rubber & plastic products	GHGD	7390220000	116.5	118.1	120.1	121.1p	123.4p	0.9	1.9	10.1	12.0
<b>Other parts &amp; equipment</b>	FSQ9	7490333349	108.2	108.7r	108.5	108.7p	108.9p	0.2	0.1	-1.9	-1.8
Computer, electronic & optical products	GHGR	7390260000	114.3	115.1r	115.4	115.4p	116.2p	-	0.7	3.6	4.0
Electrical equipment	GHGT	7390270000	118.4	119.8r	120.3	121.1p	121.7p	0.6	0.5	6.8	6.8
Machinery & equipment n.e.c	GHGV	7390280000	120.5r	122.1	122.7	123.6p	124.4p	0.7	0.7	7.8	8.3
Motor vehicles, trailers & semi-trailers	GHGX	7390290000	115.9r	117.3	117.8	118.0p	118.6p	0.2	0.5	5.1	5.6
Ships & boats	GHGZ	7390301000	117.6r	119.0	119.8	121.2p	122.2p	1.2	0.9	6.5	7.3
Aircraft, spacecraft & related machinery	GHHB	7390303000	120.1r	121.7r	122.1	122.2p	122.9p	0.1	0.6	3.8	4.2
Other transport equipment	GHHD	7390333358	109.7	110.4	110.5	111.1p	111.2p	0.5	0.1	1.5	1.5
<b>Other Inputs</b>	FSQ6	7490111196	108.8r	108.9	108.9	107.9p	108.0p	-0.9	0.1	-1.5	-1.1
Printing & recording services	GHFL	7390180000	108.2	108.9r	109.7	110.9p	111.8p	1.1	0.7	4.1	4.9
Furniture	GHHF	7390310000	120.7r	122.5	124.5	127.4p	131.5p	2.4	3.2	12.4	15.8
Other manufactured goods n.e.c	GHHH	7390320000	122.7r	124.5r	125.3	125.5p	126.3p	0.2	0.7	11.0	11.3
Repair & maintenance of ships and boats	GHHJ	7390331500	120.3	121.8r	122.5	124.3p	124.7p	1.5	0.3	10.2	10.1
Repair & maintenance of aircraft and spaceships	GHHL	7390331600	107.5	107.6	107.4	106.2p	106.6p	-1.1	0.4	-11.1	-10.4
Rest of repair and installation	GHHN	7390333355	113.2r	113.9	114.4	115.4p	115.8p	0.9	0.4	6.4	6.4
<b>Imported materials:</b>											
Total Imports	GD74	8170111199	117.0r	118.5	118.5	119.0p	120.1p	0.4	1.0	4.6	4.8

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 Jul	-	-	-		-	-	-
Aug	-	-	-		-	-	-
Sep	-	-	-		-	-	-
Oct	-	-	-		-	-	-
Nov	-	-	-		-	-	-
Dec	-	-	-		-	-	-
2021 Jan	-	-	-		-	0.1	-
Feb	-	-	-0.1		-	-	-
Mar	-	-	-		-	-	-
Apr	-	-	-		0.1	-	0.1
May	-	-0.1	-		-	-	0.1
Jun	0.3	0.2	0.2		0.4	0.3	0.4

Source: Office for National Statistics

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