

Statistical bulletin

Producer price inflation, UK: August 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 5.9% on the year to August 2021, up from 5.1% in July 2021.
- The headline rate of input prices showed positive growth of 11.0% on the year to August 2021, up from 10.4% in July 2021.
- Other manufactured products and other produced materials provided the largest upward contribution to the change in the annual rate of output and input inflation respectively.

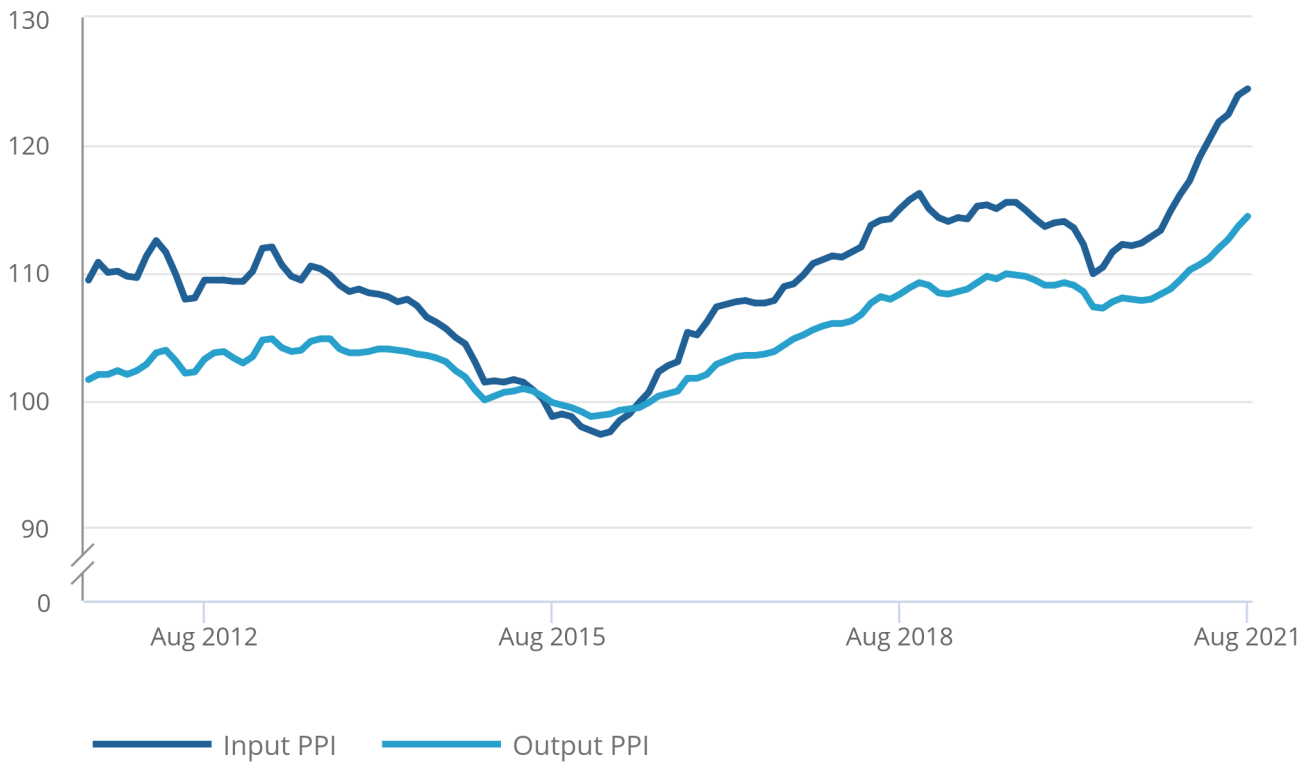
2 . Analysis

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

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

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

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



Source: Office for National Statistics - Producer Price Index

On the month, the rate of output inflation was 0.7% in August 2021, down from 0.8% in July 2021 (Table 1).

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

All manufactured products (GB7S)

	PPI Index (2015=100)	1-month rate	12- month rate	Change in the 12-month rate (percentage points)
Aug	107.9	-0.1	-1.7	0.0
Sept	107.8	-0.1	-1.7	0.0
2020 Oct	107.9	0.1	-1.4	0.3
Nov	108.3	0.4	-0.6	0.8
Dec	108.7	0.4	-0.3	0.3
Jan	109.4	0.6	0.2	0.5
Feb	110.2	0.7	1.0	0.8
Mar	110.6	0.4	1.9	0.9
2021 Apr	111.1	0.4	3.5	1.6
May	111.9	0.7	4.3	0.8
June	112.6	0.7	4.5	0.2
July	113.6	0.8	5.1	0.6
Aug	114.4	0.7	5.9	0.8

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 2.07 percentage points to the annual rate (Figure 2), but had negative annual price growth of 1.9% in August 2021 (Table 2).

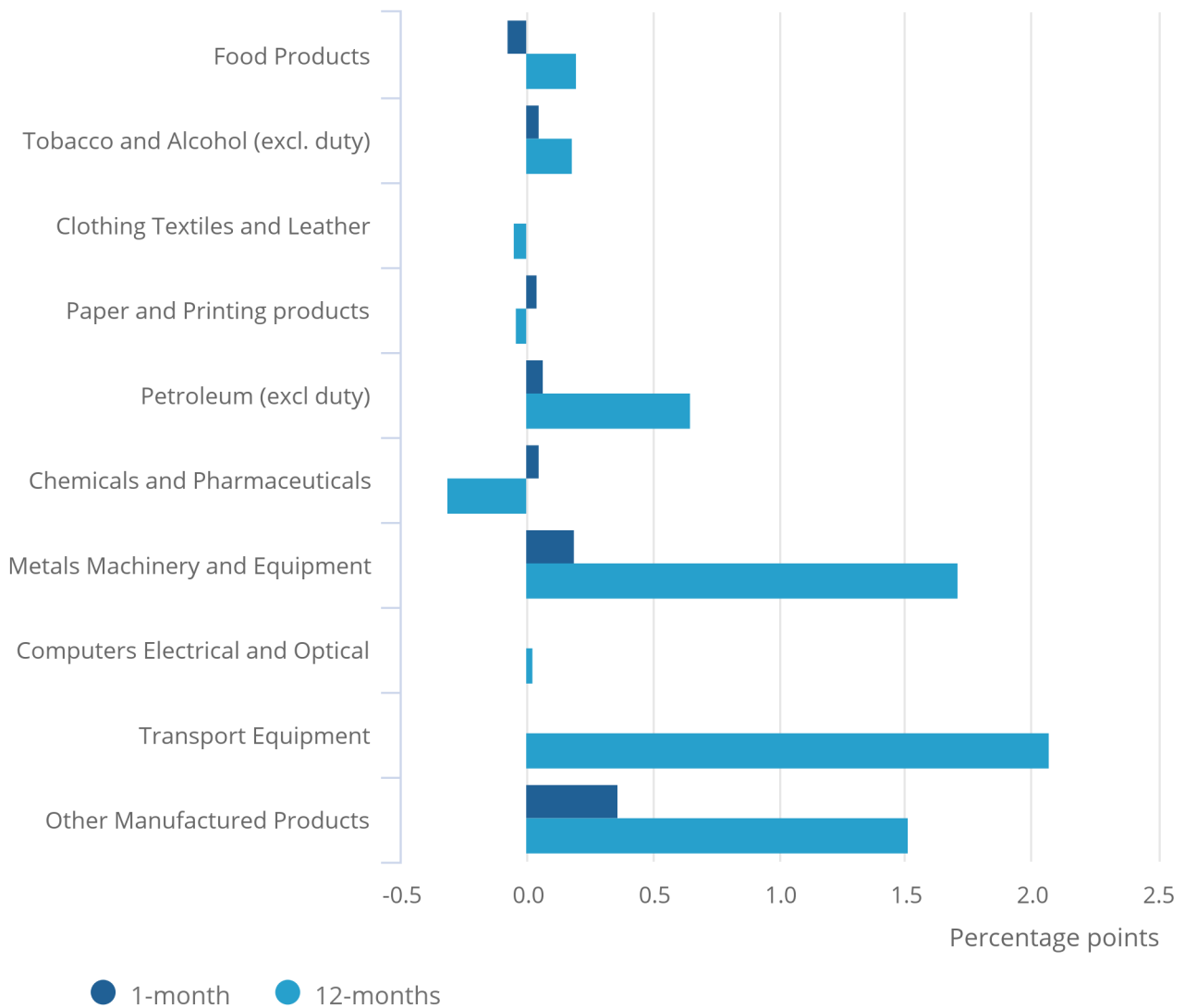
Despite showing negative annual growth, transport equipment provided an upward contribution to the annual rate. This is because of the weight changes implemented as part of the move to [annual chain-linking](#). Further information on how these contributions are calculated can be found within [Section 5](#) below.

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, August 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, August 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, August 2021

Product group	Percentage Change	
	1-month rate	12-month rate
Food products	-0.3	2.3
Tobacco and alcohol (excl. duty)	2.0	4.7
Clothing, textile and leather	0.0	1.4
Paper and printing	0.7	5.0
Petroleum products (excl. duty)	1.5	50.4
Chemical and pharmaceutical	0.9	8.6
Metal, machinery and equipment	1.2	10.2
Computer, electrical and optical	0.1	2.4
Transport equipment	0.0	-1.9
Other manufactured products	1.4	6.0
All manufacturing	0.7	5.9

Source: Office for National Statistics - Producer Price Index

The annual rate of output inflation increased by 0.8 percentage points from 5.1% in July 2021 to 5.9% in August 2021; this is the highest the annual rate of output inflation has been since November 2011. Petroleum products had the highest annual growth rate of any component of output prices in August 2021, at 50.4% (Table 2), and contributed 0.13 percentage points to the change in the rate (Figure 3).

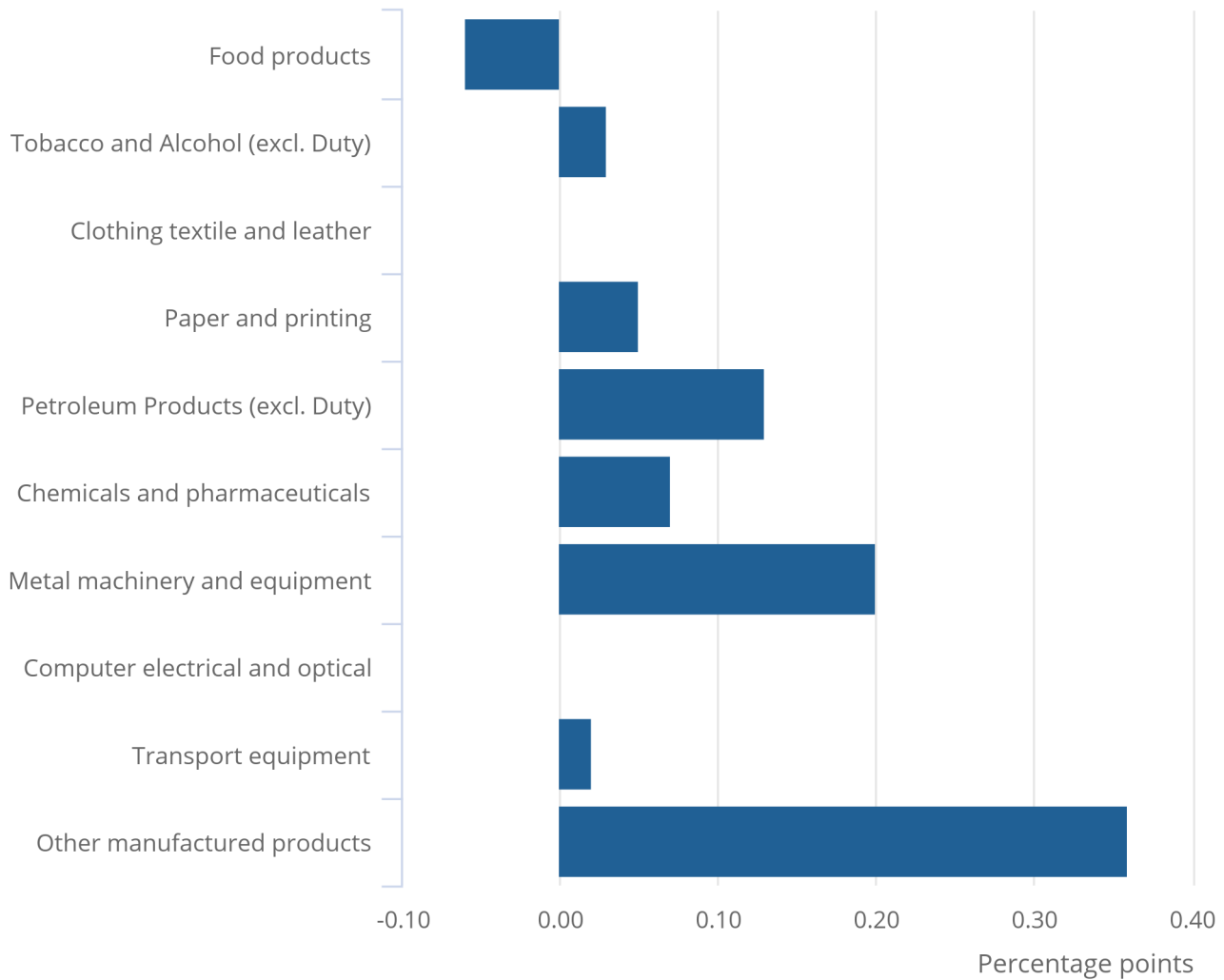
A further six product groups displayed upward contributions to the change in the rate, with other manufactured products providing the largest, at 0.36 percentage points (Figure 3). Annual growth rates for this product group were being driven by products of wood, cork, straw, and plaiting materials for 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, August 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, August 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 0.4% in August 2021, down from 1.3% in July 2021 (Table 3).

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

All materials and fuels purchased (GHIP)

	PPI Index (2015=100)	1-month rate	12-month rate	Change in the 12-month rate (percentage points)
Aug	112.1	-0.2	-3.0	-0.2
Sept	112.3	0.2	-2.2	0.8
2020 Oct	112.8	0.5	-1.1	1.1
Nov	113.3	0.4	-0.3	0.8
Dec	114.8	1.3	0.8	1.1
Jan	116.1	1.1	1.9	1.1
Feb	117.2	0.9	3.2	1.3
Mar	119.0	1.6	6.1	2.9
2021 Apr	120.4	1.1	9.6	3.5
May	121.8	1.1	10.3	0.7
June	122.4	0.5	9.6	-0.7
July	123.9	1.3	10.4	0.8
Aug	124.4	0.4	11.0	0.6

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 4.6% in August 2021 (Table 4), unchanged from July 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, August 2020 to August 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	Aug	114.2	-0.4	-4.4	-1.6	78.1	1.6	4.4
	Sept	115.1	0.8	-2.5	1.9	77.2	-1.2	0.8
	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	1.1	1.0	1.7	78.0	-0.3	-3.2
	Jan	116.3	0.4	0.9	-0.1	79.0	1.3	-1.6
2021	Feb	115.6	-0.5	0.1	-0.8	80.6	2.0	-0.1
	Mar	117.0	1.2	0.8	0.7	81.7	1.4	6.4
	Apr	118.4	1.2	5.5	4.7	81.3	-0.5	4.1
	May	118.4	0.0	4.7	-0.8	82.0	0.9	6.4
	June	118.7	0.3	4.4	-0.3	82.0	0.0	6.6
	July	119.9	1.0	4.6	0.2	81.9	-0.1	6.5
	Aug	119.4	-0.4	4.6	0.0	82.0	0.1	5.0

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.

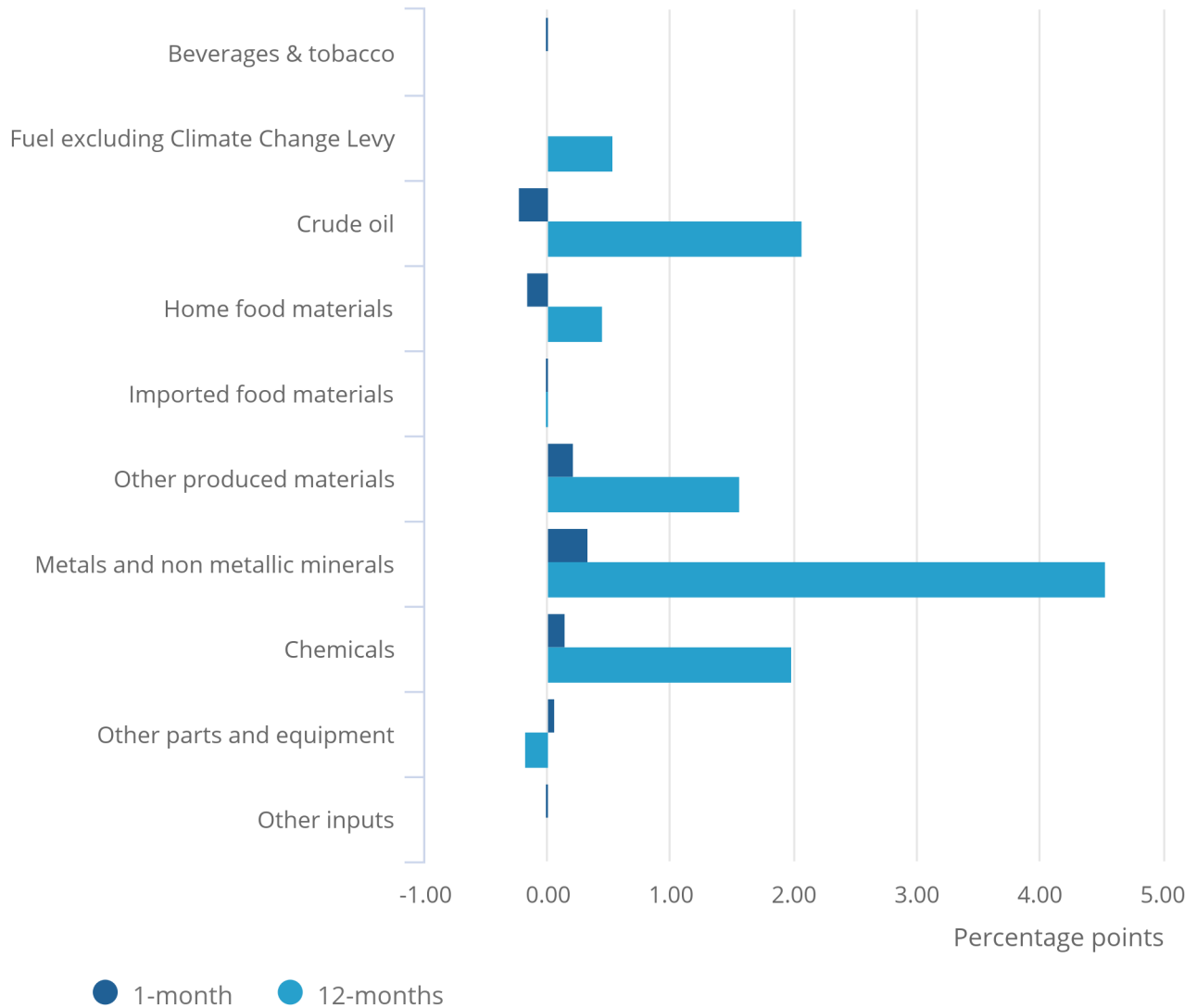
The largest upward contribution to the annual input inflation rate came from metals and non-metallic minerals, which contributed 4.55 percentage points (Figure 4), and had positive annual price growth of 21.1% in August 2021 (Table 5). This was mainly driven by basic iron and steel and of ferro-alloys for domestic market.

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

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

Product group	Percentage change	
	1-month rate	12-month rate
Beverages & tobacco	0.9	3.0
Fuel excluding Climate Change Levy	0.3	19.2
Crude oil	-3.8	49.6
Home food materials	-1.1	3.8
Imported food materials	-0.5	2.3
Other produced materials	2.0	15.3
Metals & non-metallic minerals	1.4	21.1
Chemicals	0.9	11.6
Other parts and equipment	0.3	-1.0
Other inputs	0.0	-0.7
All manufacturing	0.4	11.0

Source: Office for National Statistics - Producer Price Index

Crude oil had the highest annual growth rate of any component of input prices in August 2021, at 49.6% (Table 5), but had a downward contribution to the change in the annual rate as it fell from 54.5% in July 2021 (Figure 5). This was driven by a base effect as there was a negative price movement of 3.8% on the month.

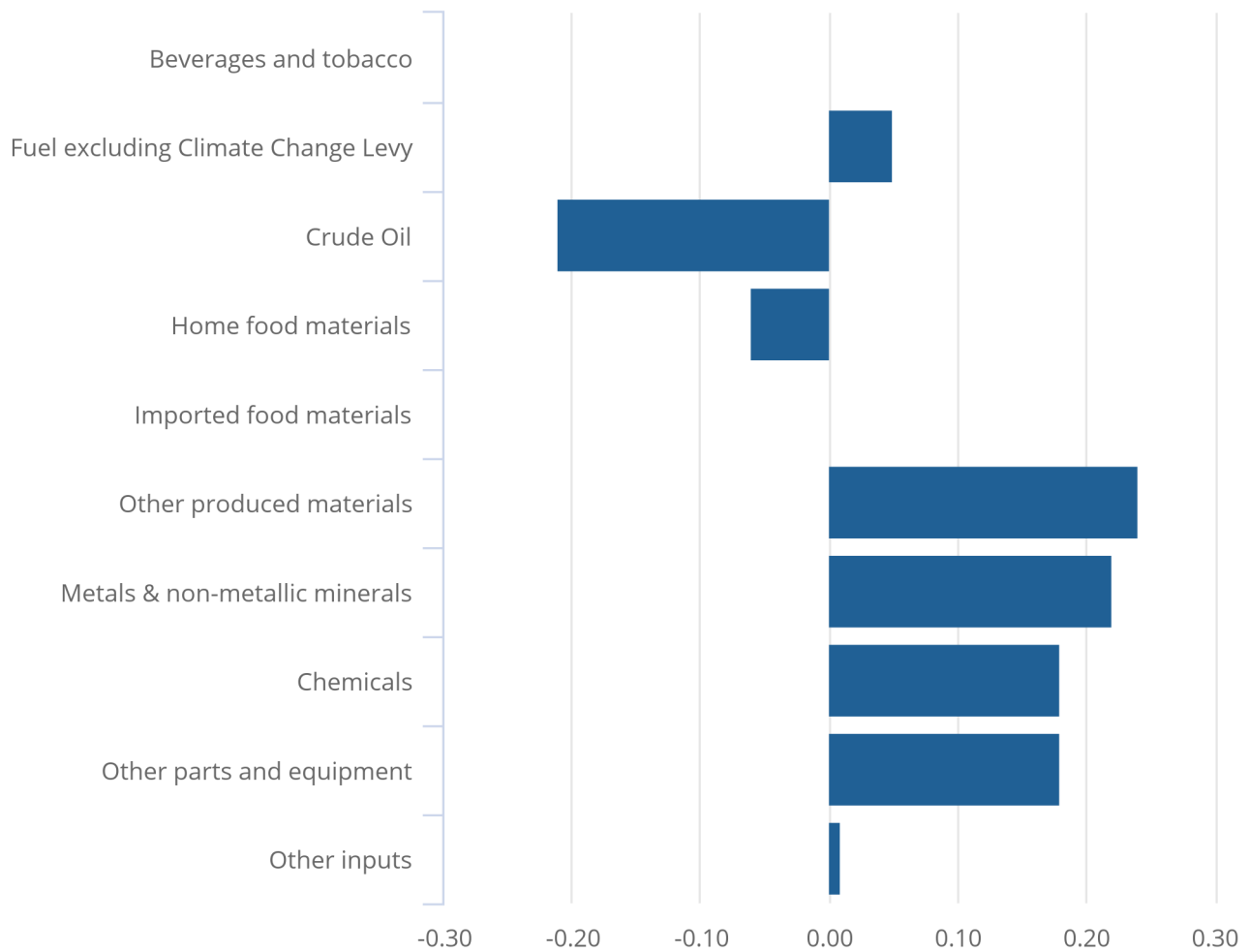
The annual input inflation rate increased by 0.6 percentage points from 10.4% in July 2021 to 11.0% in August 2021. Of the 10 product groups, six displayed upward contributions to the change in the rate, with other produced materials providing the largest, at 0.24 percentage points (Figure 5). Annual growth rates for this product group were being driven by wood, sawn and planed for domestic market.

Figure 5: Other produced materials provided the largest upward contribution to the change in the annual rate

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

Figure 5: Other produced materials provided the largest upward contribution to the change in the annual rate

Input PPI, contribution to change in the annual rate, UK, August 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 15 September 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 15 September 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 15 September 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 weights 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:

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

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 Producer Price Index (PPI) and the Services Producer Price Index (SPPI) are:

1. [Producer price indices methods changes](#)
2. [Chain-linking in Business prices](#)
3. [Producer price weight changes](#)
4. [Services producer price weight changes](#)
5. [Guidance on using indices in indexation clauses](#) (PDF, 197KB)
6. [PPI methods and guidance](#) (PDF 1.14MB)
7. [SPPI user guidance and methodology article](#)
8. [PPI standard errors article](#) and [SPPI standard errors article](#)

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 August 2021

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

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

	Weighted response		
	PPI (domestic)	IPI	EPI
August 2020	73.7	70.5	67.0
September 2020	77.6	74.0	68.7
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

Source: Office for National Statistics - Producer Price Index

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](#)

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 ONS sources of coronavirus information

Various articles have been published that help describe the Office for National Statistics' (ONS') response to how 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: March 2021](#) (published 10 September 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. 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		
	Index (2015=100)	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
	6150333333			6150333390			6140190000			6150888897		
	GB7S			GBBV			G6ST			GBA6		
2021 Feb	110.2	0.7	1.0	111.4	0.3	1.6	117.1	8.1	-7.9	108.4	0.6	1.9
Mar	110.6	0.4	1.9	111.5	0.1	1.4	124.5	6.4	14.9	108.8	0.4	1.8
Apr	111.1	0.4	3.5	112.1	0.5	1.9	125.9	1.1	51.9	108.9	0.1	2.0
May	111.9	0.7	4.3	112.8r	0.7	2.3	131.1	4.1	68.4	109.3	0.4	2.5
Jun	112.6	0.7	4.5	113.6	0.7	3.1	137.6	4.9	54.3	109.4	0.1	2.5
Jul	113.6p	0.8	5.1	114.7p	1.0	4.2	142.0p	3.2	46.1	109.5p	0.1	2.6
Aug	114.4p	0.7	5.9	115.9p	1.0	5.3	144.1p	1.5	50.4	109.4p	-0.1	2.4

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		
	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
	6158333333			6158888897			6148190000		
	GD73			GBA7			G6SU		
2021 Feb	110.0	0.6	1.0	108.6	0.6	1.7	107.0	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	109.0r	0.2	2.1	110.7	0.6	18.9
May	111.7	0.7	4.1	109.5	0.4	2.5	112.8	1.9	24.2
Jun	112.4	0.7	4.4	109.6	0.1	2.4	115.5	2.4	21.1
Jul	113.3p	0.8	4.9	109.7p	0.1	2.5	117.3p	1.6	18.8
Aug	114.0p	0.6	5.6	109.5p	-0.1	2.3	117.2p	-0.1	19.3

Source: Office for National Statistics

p = provisional
r = revised

Table 2: Gross sector input prices, including Climate Change Levy¹: 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		
	Index (2015=100)	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 Feb	117.2	0.9	3.2	117.2	0.5	4.0	117.0	0.9	3.2	124.2	0.7	4.9
Mar	119.0r	1.6	6.1	118.9r	1.5	4.8	118.9	1.6	6.0	125.2	0.8	9.2
Apr	120.4	1.1	9.6	120.4	1.2	6.8	120.3	1.2	9.6	123.1	-1.7	10.6
May	121.8	1.1	10.3	121.3	0.7	7.3	121.7r	1.2	10.1	124.2	0.9	17.5
Jun	122.4	0.5	9.6	121.9	0.5	7.8	122.4	0.6	9.5	121.0	-2.6	12.9
Jul	123.9p	1.3	10.4	123.7p	1.5	9.2	123.8p	1.2	10.2	126.2p	4.3	15.7
Aug	124.4p	0.4	11.0	124.9p	1.0	10.3	124.3p	0.4	10.8	126.6p	0.3	17.9

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 1 month		Percentage change 12 months		
		2021 Apr	2021 May	2021 Jun	2021 Jul	2021 Aug	2021 Jul	2021 Aug	2021 Jul	2021 Aug	
Gross Sector											
Output of manufactured products	GB7S 6158333333	111.1	111.9	112.6	113.6p	114.4p	0.8	0.7	5.1	5.9	
All manufacturing, excluding food, beverages, tobacco and petroleum	GBBV 6150333390	112.1	112.8r	113.6	114.7p	115.9p	1.0	1.0	4.2	5.3	
<hr/>											
Food products, beverages and tobacco, excluding duty	GBA6 6150888897	108.9	109.3	109.4	109.5p	109.4p	0.1	-0.1	2.6	2.4	
Food products	G6SI 6140100000	108.6	109.2	109.2	109.3p	109.0p	0.1	-0.3	2.5	2.3	
Alcoholic beverages, excluding duty	G6SJ 6140110000	107.8	107.1	108.1	108.2p	109.2p	-	0.9	3.0	3.4	
Soft drinks, mineral waters and other bottled waters	EVPU 6120110700	105.2	104.6	105.6	106.4p	105.6p	0.8	-0.8	2.3	1.2	
Textiles	G6SN 6140130000	107.0r	107.1	107.5	108.2p	108.2p	0.6	0.1	2.0	1.8	
Wearing apparel	G6SO 6140140000	106.7	106.7	106.7	106.7p	106.6p	-	-0.1	0.3	0.2	
Leather and related products	G6SP 6140150000	104.0r	104.0r	104.0	104.2p	103.7p	0.2	-0.5	1.0	0.4	
Wood and products of wood and cork, except furniture	G6SQ 6140160000	122.3r	124.8r	129.7	136.6p	145.6p	5.3	6.6	20.7	28.1	
Paper and paper products	G6SR 6140170000	108.0	109.2	111.7	113.1p	114.4p	1.2	1.1	6.5	7.9	
Printing and recording services	G6SS 6140180000	103.4	103.5	103.7	103.8p	103.9p	0.1	0.1	1.6	1.8	
Coke and refined petroleum products, excluding duty	G6ST 6140190000	125.9	131.1	137.6	142.0p	144.1p	3.2	1.5	46.1	50.4	
Chemicals and chemical products	G6SV 6140200000	117.1r	118.6r	119.9	121.4p	122.8p	1.2	1.2	9.7	11.5	
Basic pharmaceutical products and pharmaceutical preparations	G6SW 6140210000	105.9	105.4	103.8	104.2p	104.2p	0.4	-	-2.0	-1.2	
Rubber and plastic products	G6SX 6140220000	113.0r	114.7r	115.6	117.3p	119.3p	1.5	1.7	8.2	9.8	
Other non-metallic mineral products	G6SY 6140230000	111.8	113.8	114.0	115.0p	115.6p	0.8	0.5	4.3	4.6	
Basic metals	G6SZ 6140240000	149.5r	151.2r	155.1	161.8p	168.6p	4.3	4.2	29.4	34.6	
Fabricated metal products, except machinery and equipment	G6T3 6140250000	114.6	115.6	117.6	119.1p	119.7p	1.3	0.5	6.0	6.6	
Computer, electronic and optical products	G6T5 6140260000	105.7	105.7r	105.7	105.9p	105.9p	0.1	-	-0.1	-	
Electrical equipment	G6VF 6140270000	112.2	112.3	113.7	114.1p	114.3p	0.4	0.2	5.2	5.1	
Machinery and equipment n.e.c.	G6VG 6140280000	108.3	108.6	109.5	109.3p	110.2p	-0.2	0.8	1.7	2.6	
Motor vehicles, trailers and semi-trailers	G6WH 6140290000	109.3	109.5	109.8	110.0p	110.1p	0.3	0.1	1.7	1.6	
Other transport equipment	G72N 6140300000	105.5	105.4	105.7	105.9p	105.8p	0.2	-0.1	-7.3	-6.8	
Furniture	G75I 6140310000	109.3	109.3r	109.8	110.0p	111.4p	0.2	1.3	2.3	3.5	
Other manufactured goods	G776 6140320000	101.3	102.0	102.1	103.1p	103.1p	1.0	-	-1.3	-1.5	
Repair and installation services of machinery and equipment	G777 6140330000	112.3	112.1	109.5	109.6p	109.5p	0.1	-	-2.9	-2.4	

Source: Office for National Statistics

 p = provisional
 r = revised

Table 4: Input prices, excl Climate Change Levy¹: 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	
								Jul		Aug	
								2021		2021	
								Jul		Aug	
								2021		2021	
								Jul		Aug	
Gross sector											
Other mining & quarrying products	GHEA	7390080000	114.5	115.3	116.2	117.6p	118.2p	1.2	0.5	6.9	7.8
Manufacture of food products, beverages, tobacco	GHHV	7390888897	116.5	119.7	117.4	116.7p	116.0p	-0.6	-0.6	4.7	4.6
Preserved meat & meat products	GHEF	7390101000	118.2	121.5	119.1	117.5p	116.0p	-1.3	-1.3	4.4	3.7
Fish, crustaceans, molluscs, fruit & vegetables	GHEH	7390333387	120.1	132.6	120.8	118.0p	116.8p	-2.4	-1.0	4.7	5.9
Vegetable & animal oils & fats	GHEJ	7390104000	125.2	126.9	129.3	130.4p	132.3p	0.9	1.4	12.8	14.1
Dairy products	GHEL	7390105000	123.4	127.4r	124.3	122.5p	120.8p	-1.4	-1.4	5.6	5.1
Grain mill products, starches & starch products	GHEN	7390106000	117.5	119.6	118.7	118.2p	117.6p	-0.5	-0.5	5.4	5.1
Bakery & farinaceous products	GHEP	7390107000	112.3	112.8	113.2	113.9p	114.1p	0.6	0.1	5.1	5.2
Other food products	GHER	7390108000	110.1	110.6r	110.7	111.3p	111.3p	0.6	-	3.1	3.0
Animal feeds	GHET	7390109000	118.2	120.4	119.4	119.0p	118.2p	-0.4	-0.6	5.3	5.0
Alcoholic Beverages	GHEV	7390333384	112.6	113.3	113.4	114.0p	114.3p	0.5	0.3	5.2	5.3
Soft drinks; mineral waters & other bottled waters	GHEX	7390110700	109.9r	110.4	110.8	111.7p	112.2p	0.8	0.5	3.6	4.2
Tobacco products	GHEZ	7390120000	120.2	123.9	122.4	121.4p	120.4p	-0.8	-0.8	7.3	7.2
Manufacture of textiles & textile products; clothing	GHHW	7390888895	110.8	111.1r	111.3	112.5p	112.8p	1.0	0.2	2.6	3.1
Textiles	GHFB	7390130000	111.7	112.2	112.5	113.7p	114.1p	1.1	0.3	3.9	4.4
Wearing apparel	GHFD	7390140000	109.3	109.2r	109.3	110.3p	110.4p	0.9	0.1	0.4	0.8
Manufacture of leather & related products	GHFF	7390150000	110.1r	110.6	110.8	111.8p	111.6p	0.9	-0.2	2.9	3.0
Manufacture of wood & wood products	GHFH	7390160000	126.4r	128.4r	132.0	138.3p	143.9p	4.7	4.1	18.6	23.3
Manufacture of pulp, paper & paper products, recording media & printing services	GHHZ	7390888892	111.6	112.6r	114.1	115.9p	117.2p	1.6	1.2	6.9	8.5
Pulp, paper & paper products	GHFJ	7390170000	113.7	114.8r	116.4	118.7p	120.3p	2.0	1.4	8.2	9.9
Printing & recording services	GHFL	7390180000	108.9	109.6r	111.0	112.1p	113.1p	1.0	0.9	5.2	6.4
Manufacture of coke & refined petroleum products	GHFN	7390190000	135.6	137.5	147.3	153.3p	148.5p	4.1	-3.1	50.1	46.3
Manufacture of chemicals, chemical products & man-made fibres	GHIB	7390888890	119.1r	120.9r	122.5	125.1p	126.0p	2.1	0.7	14.4	15.2
Paints, varnishes & similar coatings, printing ink & mastics	GHFP	7390203000	120.3r	122.0	123.2	125.2p	126.1p	1.7	0.7	12.1	12.6
Soaps, detergents, cleaning & polishing preparations, perfumes & toilet preparations	GHFR	7390204000	112.6	113.7r	114.5	116.0p	116.8p	1.3	0.7	5.3	6.2
Other chemical products	GHFT	7390205000	113.0r	114.1r	114.8	116.8p	117.3p	1.7	0.4	7.6	8.2
Industrial gases; other basic inorganic chemicals; fertilisers & nitrogen compounds	GHFV	7390333378	118.8r	119.6r	120.5	122.5p	124.1p	1.6	1.3	11.9	14.3
Petrochemicals & man made fibres	GHFX	7390333377	122.7	125.3r	127.9	131.3p	132.1p	2.7	0.6	20.7	21.3
Dyes & pigments: pesticides & other agrochemical products	GHFZ	7390333376	119.9r	120.9r	121.9	123.6p	124.1p	1.4	0.4	11.4	10.5
Manufacture of basic pharmaceutical products & pharmaceutical preparations	GHGB	7390210000	109.9	110.2r	109.8	110.6p	110.9p	0.7	0.3	1.9	2.7
Manufacture of rubber & plastic products	GHGD	7390220000	118.0r	119.9r	121.0	123.4p	124.4p	2.0	0.8	12.0	13.0
Manufacture of cement, lime & plaster	GHGF	7390333375	116.3	117.7r	118.5	120.3p	121.6p	1.5	1.1	9.0	10.3
Manufacture of glass, refractory, clay, other porcelain, ceramic stone products	GHGH	7390333374	113.9	114.8	115.8	117.3p	117.8p	1.3	0.5	6.7	7.5
Manufacture of basic metals & fabricated products	GHIF	7390888884	138.9	140.1	140.6	143.3p	145.3p	1.9	1.4	20.6	21.5
Basic iron, steel & alloys: tubes, pipes, hollow profiles	GHGJ	7390333369	145.7	147.3r	149.3	153.8p	157.3p	3.0	2.3	26.4	28.7
Other basic metals & casting	GHGL	7390333368	159.8r	160.4r	157.3	157.7p	157.2p	0.2	-0.3	29.4	26.2
Weapons & ammunition	GHGN	7390254000	117.4	118.7	119.4	120.6p	121.8p	1.0	1.1	5.9	7.1
Fabricated metal products, excluding machinery & equipment & weapons & ammunition	GHGP	7390333365	130.5	131.7r	133.2	136.3p	138.8p	2.4	1.8	16.3	18.3
Manufacture of computer, electronic & optical products, electrical equipment	GHIG	7390888883	117.3	117.7	118.1	119.0p	119.6p	0.8	0.5	5.6	6.2
Computer, electronic & optical products	GHGR	7390260000	115.1	115.4	115.5	116.3p	116.5p	0.7	0.2	4.0	4.5
Electrical equipment	GHGT	7390270000	119.8	120.3	121.0	122.2p	123.1p	1.0	0.8	7.2	8.1
Manufacture of machinery & equipment n.e.c	GHGV	7390280000	122.0r	122.7	123.5	125.2p	126.5p	1.3	1.0	8.9	10.1
Manufacturing of motor vehicles & other transport equipment	GHII	7390888881	118.5	118.9	119.2	120.4p	121.2p	1.0	0.7	5.7	6.5
Motor vehicles, trailers & semi trailers	GHGX	7390290000	117.3	117.7r	118.0	119.1p	119.9p	0.9	0.7	6.1	6.7
Ships & boats	GHGZ	7390301000	118.9r	119.6r	121.0	123.0p	124.7p	1.6	1.4	8.0	9.7
Aircraft & spacecraft & related machinery	GHHB	7390303000	121.7	122.1	122.1	123.5p	124.1p	1.1	0.5	4.7	5.8
Other transport equipment	GHHD	7390333358	110.4	110.4r	111.0	111.6p	112.5p	0.5	0.8	1.9	3.1
Manufacture of other manufactured goods n.e.c	GHIJ	7390888880	123.6	124.8r	126.2	129.5p	132.2p	2.6	2.1	14.0	16.1
Furniture	GHHF	7390310000	122.4r	124.2r	127.1	132.5p	137.4p	4.2	3.7	16.6	20.8
Other manufacturing	GHHH	7390320000	124.5	125.3	125.5	127.1p	128.1p	1.3	0.8	12.0	12.4
Repair of maintenance of ships & boats	GHHJ	7390331500	121.8	122.3r	124.1	126.5p	129.3p	1.9	2.3	11.7	14.4
Repair & maintenance services of aircraft & spacecraft	GHHL	7390331600	107.6	107.4	106.2	106.6p	106.6p	0.4	-	-10.4	-9.3
Other repair; installation	GHHN	7390333355	113.9	114.3r	115.4	116.6p	117.9p	1.0	1.2	7.0	8.5

Source: Office for National Statistics

¹ 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 Apr	2021 May	2021 Jun	2021 Jul	2021 Aug	2021 Jul	2021 Aug	2021 Jul	2021 Aug	
Fuel excl. CCL	FSQ3 7490222295	124.1	125.1	122.2	127.6p	128.0p	4.4	0.3	17.0	19.2	
Mining of coal & lignite exc CCL	GHDW 7390050000	115.9	116.9r	122.9	124.5p	125.0p	1.3	0.5	16.5	16.0	
Electricity excl. CCL	GHPH 7390351000	126.4	127.0	124.4	129.2p	129.3p	3.8	0.1	15.5	17.9	
Gas excl. CCL	GHRH 7390444499	113.2	117.7	117.7	125.6p	125.3p	6.7	-0.2	37.0	33.6	
Crude Oil	FSQ4 7490444498	138.4	140.2	150.7	157.2p	151.3p	4.3	-3.8	54.5	49.6	
Domestic crude oil & metal ores	GGT3 7190222295	140.3	141.8	154.1	159.2p	152.1p	3.3	-4.5	56.4	50.7	
Imported crude oil & metal ores	GHBV 7290222295	135.1	137.4	144.9	153.8p	150.0p	6.1	-2.5	51.1	47.4	
Home produced food:	FSP7 7190351000	117.2	121.5	118.1	116.4p	115.1p	-1.5	-1.1	4.2	3.8	
Products of agriculture, hunting and related services	GGO7 7190010000	131.1	138.1	132.2	128.1p	124.6p	-3.1	-2.7	5.7	4.1	
Fish & other fish products	GG88 7190030000	131.1r	178.9r	133.4	120.7p	117.8p	-9.5	-2.4	9.1	14.0	
Preserved meat and meat products	GH2M 7190101000	104.7	105.7	105.9	105.4p	104.9p	-0.5	-0.4	2.3	1.7	
Processed fish & fish products; fruit & vegetables	GH7R 7190333387	109.0	109.2	107.4	107.5p	107.4p	-	-0.1	-0.6	-	
Vegetable & animal oils and fats	GH7S 7190104000	118.3	120.5	124.0	124.5p	126.9p	0.4	1.9	7.6	10.3	
Dairy products	GH8A 7190105000	118.4r	118.7r	119.1	119.3p	119.1p	0.2	-0.2	4.6	5.0	
Grain mill products, starches and starch products	GH8B 7190106000	114.5	114.7	115.1	114.7p	114.1p	-0.3	-0.5	6.4	5.0	
Bakery and Farinaceous products	GH8C 7190107000	107.5r	107.7r	107.4	107.5p	106.5p	0.1	-0.9	1.1	-	
Other Food products	GH8L 7190108000	101.9	101.9	102.1	102.5p	102.5p	0.4	-	0.9	0.7	
Prepared animal feeds	GH98 7190109000	118.6	120.1	120.9	122.2p	122.3p	1.1	0.1	6.7	6.9	
Imported food materials	FSP9 7490333354	118.5	118.3r	117.8	119.0p	118.4p	1.0	-0.5	2.4	2.3	
Agricultural crop products	GHBQ 7290010000	110.9	112.4r	109.5	109.3p	108.9p	-0.2	-0.3	3.1	4.0	
Fish & fish products	GHBS 7290030000	125.5	125.3	126.4	131.1p	131.0p	3.7	-0.1	0.5	1.9	
Meat & meat products	GHBX 7290101000	117.9	116.5	117.8	119.5p	118.0p	1.4	-1.3	1.0	0.6	
Processed fish & fish products, fruit & vegetables	GHBY 7290333387	112.8	112.4	113.0	113.5p	112.7p	0.4	-0.7	-3.4	-2.4	
Vegetable & animal oils & fats	GHBZ 7290104000	157.7	157.3	157.5	159.1p	161.0p	1.1	1.2	24.7	23.7	
Dairy products	GHCA 7290105000	102.3	96.9	100.1	101.0p	99.1p	0.9	-1.9	10.0	7.3	
Grain mill products & starches	GHCB 7290106000	125.8	125.6	125.9	130.2p	130.1p	3.4	-0.1	1.1	1.1	
Bakery & farinaceous products	GHCC 7290107000	120.5	120.2	119.6	119.4p	119.3p	-0.2	-0.1	-4.9	-4.6	
Other food products	GHCD 7290108000	127.4	126.7	126.8	128.5p	127.8p	1.4	-0.5	0.1	-3.1	
Prepared animal feeds	GHCE 7290109000	120.4	121.5	121.3	119.6p	119.3p	-1.4	-0.3	-6.0	-6.2	
Other home produced materials	FSQ2 7490333353	115.2	116.6r	120.0	123.2p	125.7p	2.7	2.0	13.0	15.3	
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	112.5	112.6r	112.8	113.6p	114.1p	0.7	0.5	3.2	3.7	
Textiles	GHAH 7190130000	107.0r	107.1	107.5	108.2p	108.2p	0.6	0.1	2.0	1.8	
Wearing Apparel	GHAJ 7190140000	106.7	106.7	106.7	106.7p	106.6p	-	-0.1	0.3	0.2	

Leather and related products	GHAG	7190150000	104.0r	104.0r	104.0	104.2p	103.7p	0.2	-0.5	1.0	0.4
Wood and products of wood and cork, exc furniture	GHAH	7190160000	122.3r	124.8r	129.7	136.6p	145.6p	5.3	6.6	20.7	28.1
Paper and paper products	GHAI	7190170000	108.0	109.2	111.7	113.1p	114.4p	1.2	1.1	6.5	7.9
Coke & refined petroleum products	GHAK	7190190000	125.9	131.1	137.6	142.0p	144.1p	3.2	1.5	46.1	50.4
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

		2015=100, CPA 2.1									
							Percentage change 1 month		Percentage change 12 months		
		2021 Apr	2021 May	2021 Jun	2021 Jul	2021 Aug	2021 Jul	2021 Aug	2021 Jul	2021 Aug	
Inputs of Metals and Non-Metallic Mineral products	FSQ8 7390333351	141.0	142.3r	142.9	145.8p	147.9p	2.0	1.4	20.2	21.1	
Cement, lime, plaster and articles of concrete, cement & plaster	GHGF 7390333375	116.3	117.7r	118.5	120.3p	121.6p	1.5	1.1	9.0	10.3	
Glass, refractory clay, porcelain, ceramic and stone products	GHGH 7390333374	113.9	114.8	115.8	117.3p	117.8p	1.3	0.5	6.7	7.5	
Basic iron, steel & alloys, tubes, pipes, hollow profiles and fittings	GHGJ 7390333369	145.7	147.3r	149.3	153.8p	157.3p	3.0	2.3	26.4	28.7	
Other basic metals & casting	GHGL 7390333368	159.8r	160.4r	157.3	157.7p	157.2p	0.2	-0.3	29.4	26.2	
Weapons & ammunition	GHGN 7390254000	117.4	118.7	119.4	120.6p	121.8p	1.0	1.1	5.9	7.1	
Fabricated metal products excluding weapons & ammunition	GHGP 7390333365	130.5	131.7r	133.2	136.3p	138.8p	2.4	1.8	16.3	18.3	
Inputs of Chemicals	FSQ7 7490333352	116.6	118.2r	119.2	121.2p	122.2p	1.7	0.9	10.5	11.6	
Paints, varnishes & coatings, printing inks & other mastics	GHFP 7390203000	120.3r	122.0	123.2	125.2p	126.1p	1.7	0.7	12.1	12.6	
Soap, detergents, cleaning & polishing preparations, perfumes & toilet preparations	GHFR 7390204000	112.6	113.7r	114.5	116.0p	116.8p	1.3	0.7	5.3	6.2	
Other chemical products	GHFT 7390205000	113.0r	114.1r	114.8	116.8p	117.3p	1.7	0.4	7.6	8.2	
Industrial gases, inorganic chemicals, fertilisers & nitrogen compounds	GHFV 7390333378	118.8r	119.6r	120.5	122.5p	124.1p	1.6	1.3	11.9	14.3	
Petrochemicals	GHFX 7390333377	122.7	125.3r	127.9	131.3p	132.1p	2.7	0.6	20.7	21.3	
Dyes & pigments; pesticides & other agro-chemical products	GHFZ 7390333376	119.9r	120.9r	121.9	123.6p	124.1p	1.4	0.4	11.4	10.5	
Basic pharmaceutical products & pharmaceutical preparations	GHGB 7390210000	109.9	110.2r	109.8	110.6p	110.9p	0.7	0.3	1.9	2.7	
Rubber & plastic products	GHGD 7390220000	118.0r	119.9r	121.0	123.4p	124.4p	2.0	0.8	12.0	13.0	
Other parts & equipment	FSQ9 7490333349	108.7	108.5	108.8	109.0p	109.3p	0.1	0.3	-1.8	-1.0	
Computer, electronic & optical products	GHGR 7390260000	115.1	115.4	115.5	116.3p	116.5p	0.7	0.2	4.0	4.5	
Electrical equipment	GHGT 7390270000	119.8	120.3	121.0	122.2p	123.1p	1.0	0.8	7.2	8.1	
Machinery & equipment n.e.c	GHGV 7390280000	122.0r	122.7	123.5	125.2p	126.5p	1.3	1.0	8.9	10.1	
Motor vehicles, trailers & semi-trailers	GHGX 7390290000	117.3	117.7r	118.0	119.1p	119.9p	0.9	0.7	6.1	6.7	
Ships & boats	GHGZ 7390301000	118.9r	119.6r	121.0	123.0p	124.7p	1.6	1.4	8.0	9.7	
Aircraft, spacecraft & related machinery	GHHB 7390303000	121.7	122.1	122.1	123.5p	124.1p	1.1	0.5	4.7	5.8	
Other transport equipment	GHHD 7390333358	110.4	110.4r	111.0	111.6p	112.5p	0.5	0.8	1.9	3.1	
Other Inputs	FSQ6 7490111196	108.9	108.9	108.0	108.2p	108.2p	0.2	-	-1.0	-0.7	
Printing & recording services	GHFL 7390180000	108.9	109.6r	111.0	112.1p	113.1p	1.0	0.9	5.2	6.4	
Furniture	GHHF 7390310000	122.4r	124.2r	127.1	132.5p	137.4p	4.2	3.7	16.6	20.8	
Other manufactured goods n.e.c	GHHH 7390320000	124.5	125.3	125.5	127.1p	128.1p	1.3	0.8	12.0	12.4	
Repair & maintenance of ships and boats	GHHJ 7390331500	121.8	122.3r	124.1	126.5p	129.3p	1.9	2.3	11.7	14.4	
Repair & maintenance of aircraft and spaceships	GHHL 7390331600	107.6	107.4	106.2	106.6p	106.6p	0.4	-	-10.4	-9.3	
Rest of repair and installation	GHHN 7390333355	113.9	114.3r	115.4	116.6p	117.9p	1.0	1.2	7.0	8.5	
Imported materials:											
Total Imports	GD74 8170111199	118.4r	118.4r	118.7	119.9p	119.4p	1.0	-0.4	4.6	4.6	

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

Source: Office for National Statistics

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