

Statistical bulletin

# Index of Production, UK: September 2024

Movements in the volume of production for UK production industries: manufacturing, mining and quarrying, energy supply, and water and waste management.

Contact:  
Short Term Outputs for  
Production and Services  
(STOPS)  
[indexofproduction@ons.gov.uk](mailto:indexofproduction@ons.gov.uk)

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# 1 . Main points

- Production output for Quarter 3 (July to Sept) 2024 was estimated to have decreased by 0.2% compared with Quarter 2 (Apr to June) 2024; this follows a fall of 0.3% in Quarter 2 2024.
- In Quarter 3 2024, the decrease in "electricity and gas" (down 2.7%) and "water supply and sewerage" (down 0.9%) was partially offset by the increase in "manufacturing" (0.2%); the growth in "manufacturing" in Quarter 3 2024 is largely because of monthly weakness during April and May 2024, affecting Quarter 2 2024 (down 0.7%).
- Monthly production output was estimated to have decreased by 0.5% in September 2024; this follows a decrease of 0.7% in July 2024 and an increase of 0.5% in August 2024 (both unrevised).
- Monthly production output in September 2024 was at its lowest level since May 2020.
- The monthly output decrease in September 2024 resulted primarily from a decrease of 1.0% in "manufacturing", supported by "electricity and gas" (down 1.9%) and "water supply and sewerage" (down 0.7%); these reductions were partially offset by a rise in "mining and quarrying" (3.7%).
- The monthly decrease in manufacturing output in September 2024 saw decreases in 8 of its 13 subsectors; the largest negative contribution to manufacturing output in September 2024 came from "basic metals and metal products" (down 2.7%).
- The monthly increase in September 2024 in "mining and quarrying" came from the "extraction of crude petroleum and natural gas", which saw a 4.3% rise; a partial bounce back following a 5.7% decrease during August 2024.

## 2 . Data on the Index of Production

### [Index of Production time series](#)

Dataset DIOP | Released 15 November 2024

Movements in the volume of production for the UK production industries: manufacturing, mining and quarrying, energy supply, and water and waste management. Figures are seasonally adjusted.

### [Output of the production industries](#)

Dataset | Released 15 November 2024

Index values and growth rates for production, manufacturing, and the main industrial groupings in the UK.

### [Index of Production and industry sectors to four decimal places](#)

Dataset | Released 15 November 2024

Monthly index values for production and the main Index of Production sectors in the UK to four decimal places.

### [Monthly Business Survey turnover in production industries](#)

Dataset | Released 15 November 2024

Monthly Business Survey production industries' total turnover, domestic sales and exports in the UK. Figures are in current price and are non-seasonally adjusted.

### [Export proportions for manufacturing industries](#)

Dataset | Released 15 November 2024

Monthly, quarterly and annual export data for the manufacturing industries, collected by the Monthly Business Survey at industry level in the UK.

All data related to the Index of Production (IoP) are available on our [Related data page](#).

## 3 . Data sources and quality

The Index of Production (IoP) uses data from a variety of sources. It is calculated by taking turnover and removing the effect of price changes, or by using direct volume estimates.

Most of these data are collected as "turnover values" through the Monthly Business Survey (MBS). In addition, direct volume series are collected by the Department for Energy Security and Net Zero (DESNZ), and the International Steel Statistics Bureau (ISSB) for steel industries.

The MBS is fully online. Business owners can log on from any location and submit their data at an appropriate time.

From January 2018, Value Added Tax (VAT) data have also been included across 64 production industries for small- and medium-sized businesses. More information is available in our [VAT turnover data in National Accounts: background and methodology article](#).

A comprehensive list of the IoP source data can be found in our [Gross domestic product \(GDP\) data sources catalogue](#).

### Response rates for September 2024

For September 2024, MBS response rates were 72.5%, based on forms returned. This accounted for 81.4% of total turnover coverage of the sample population. For further information, see our [current and historical MBS \(production\) response rates dataset](#).

### Quality and methodology

The data reported in IoP bulletins and datasets are estimates that are subject to uncertainty, such as sampling variability and non-sampling error. More information is available in Section 2 of our [Uncertainty and how we measure it for our surveys web page](#).

More quality and methodology information (QMI) on strengths, limitations, appropriate uses, and how the data were created is available in our [Index of Production, UK QMI](#). This was last updated on 7 June 2024.

### Accredited official statistics

These accredited official statistics were [independently reviewed by the Office for Statistics Regulation in April 2014](#). They comply with the standards of trustworthiness, quality and value in [the Code of Practice for Statistics](#) and should be labelled "accredited official statistics".

## Revisions to Index of Production

In line with the [National Accounts Revisions Policy](#), this release gives data for September 2024 for the first time with revisions open for July and August 2024.

Table 1: Revisions to month-on-month growth for IoP and its sectors, September 2024 compared with August 2024

Percentage points, July 2024 and August 2024, UK

	<b>Jul-24</b>	<b>Aug-24</b>
<b>IoP</b>	0.0	0.0
<b>Section B - Mining and Quarrying</b>	0.7	-1.3
<b>Section C - Manufacturing</b>	-0.1	0.2
<b>Section D - Electricity and Gas</b>	0.0	-0.3
<b>Section E - Water supply and sewerage</b>	-0.1	-0.4

Source: Monthly GDP estimate from Office for National Statistics

### Notes

1. Revisions are rounded to one decimal place and calculated based on the one decimal place indexes.
2. Further information on current and past revisions can be found in our Revision Triangles dataset.

## 4 . Related links

### [GDP monthly estimate, UK: September 2024](#)

Bulletin | Released 15 November 2024

Gross domestic product (GDP) measures the value of goods and services produced in the UK. It estimates the size of, and growth in, the economy.

### [GDP first quarterly estimate, UK: July to September 2024](#)

Bulletin | Released 15 November 2024

First quarterly estimate of gross domestic product (GDP). Contains current and constant price data on the value of goods and services to indicate the economic performance of the UK.

### [Index of Services, UK: September 2024](#)

Bulletin | Released 15 November 2024

Movements in the volume of output for the UK services industries. Figures are seasonally adjusted.

### [Producer price inflation, UK: September 2024](#)

Bulletin | Released 16 October 2024

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).

### [UK manufacturers' sales by product: 2023 results](#)

Bulletin | Released 19 September 2024

Annual estimates for UK manufacturers' sales by product covered by the ProdCom survey.

### [Energy Trends and Prices: monthly data](#)

Web page | Last updated 31 October 2024

Statistics on energy prices and monthly production, trade and consumption of coal, electricity, gas, oil and total energy in the UK.

## 5 . Cite this statistical bulletin

Office for National Statistics (ONS), released 15 November 2024, ONS website, statistical bulletin, [Index of Production, UK: September 2024](#)



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# IOP5 Output of the Production Industries

Chained volume indices of gross value added<sup>1</sup>

Seasonally adjusted 2022 = 100

Section	Broad industry groups					Main industrial groupings					
	Production industries	Mining and quarrying	Manufacturing	Electricity, gas, steam and air conditioning	Water supply, sewerage and waste management	Oil and gas extraction	Consumer durables	Consumer non-durables	Capital goods	Intermediate goods	Energy
	B+C+D+E	B	C	D	E	06	MIG-CD	MIG-CND	MIG-CAG	MIG-IG	MIG-NRG
Latest weight	1 000.0	136.7	688.9	83.6	90.8	123.2	61.9	189.2	246.5	235.2	246.3
	K222	K224	K22A	K248	K24C	K226	K24Q	K24R	K24S	K24O	K24T
2019	104.6	124.0	101.8	132.7	93.8	130.9	95.9	95.9	98.9	111.8	121.7
2020	107.5	125.1	104.0	144.8	95.1	131.6	96.7	98.7	100.1	116.6	126.9
2021	106.8	103.5	108.0	108.6	100.4	101.4	104.9	105.1	107.1	113.7	103.2
2022	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2023	98.8	87.2	100.7	103.7	97.1	87.3	97.9	101.5	106.8	93.7	94.1
2023 Q3	99.4	87.9	101.5	104.4	96.2	88.2	96.9	102.0	108.9	93.7	94.7
Q4	97.9	85.3	100.2	101.3	95.7	85.4	95.4	101.8	107.6	91.7	92.3
2024 Q1	98.0	83.5	100.9	102.7	93.4	84.0	93.4	101.8	108.7	92.1	92.2
Q2	97.7	83.1	100.2	103.0	95.3	83.3	92.0	102.3	106.9	91.9	91.7
Q3	97.5	83.1	100.4	100.3	94.5	83.2	92.2	102.9	106.4	92.7	90.7
2023 Jul	99.6	87.0	102.1	103.1	96.8	87.2	98.1	102.9	109.4	94.2	93.8
Aug	99.5	89.8	101.4	103.9	95.3	90.2	95.5	101.4	108.7	94.1	95.5
Sep	99.1	87.0	100.9	106.3	96.5	87.3	97.2	101.6	108.5	92.8	94.9
Oct	97.4	85.1	99.5	101.1	96.7	84.9	96.0	99.9	107.7	91.1	91.9
Nov	97.8	86.0	100.1	100.8	95.5	86.1	96.1	102.2	107.6	91.1	92.4
Dec	98.4	85.0	101.1	102.1	94.8	85.3	94.1	103.2	107.4	93.0	92.6
2024 Jan	97.5	84.1	100.2	101.7	93.1	84.7	94.1	99.3	109.4	91.3	92.2
Feb	98.1	82.9	101.1	103.0	93.7	83.2	93.6	101.2	109.5	92.3	92.0
Mar	98.4	83.6	101.4	103.3	93.3	83.9	92.4	104.8	107.2	92.7	92.3
Apr	97.6	84.3	99.7	104.6	95.3	84.8	92.1	101.4	106.8	91.1	92.9
May	97.4	83.5	99.8	102.2	95.4	83.8	91.5	102.6	106.1	91.2	91.6
Jun	98.1	81.5	101.2	102.3	95.4	81.2	92.5	102.9	107.7	93.5	90.6
Jul	97.4	85.1 <sup>T</sup>	99.9 <sup>T</sup>	100.3	94.0 <sup>T</sup>	85.3 <sup>T</sup>	91.3 <sup>T</sup>	102.8 <sup>T</sup>	105.4 <sup>T</sup>	92.5	91.6 <sup>T</sup>
Aug	97.8 <sup>T</sup>	80.6	101.2	101.2 <sup>T</sup>	95.1	80.4	92.6	103.5	107.3	93.7 <sup>T</sup>	89.8
Sep	97.3	83.6	100.2	99.3	94.4	83.9	92.6	102.5	106.5	92.1	90.8
<b>Percentage change, latest year on previous year</b>											
2019	1.8	2.0	0.4	13.0	0.2	1.1	0.3	2.2	-3.0	4.1	5.2
2020	2.8	0.8	2.2	9.2	1.4	0.6	0.9	2.9	1.2	4.3	4.2
2021	-0.7	-17.3	3.8	-25.0	5.6	-22.9	8.5	6.5	7.0	-2.5	-18.7
2022	-6.4	-3.3	-7.4	-7.9	-0.4	-1.4	-4.7	-4.9	-6.6	-12.1	-3.1
2023	-1.2	-12.8	0.7	3.7	-2.9	-12.7	-2.1	1.5	6.8	-6.3	-5.9
<b>Percentage change, latest month on same month a year ago</b>											
2022 Jul	-5.7	8.2	-8.1	-0.1	-2.2	13.8	-5.8	-6.8	-6.7	-11.5	5.0
Aug	-6.8	-15.4	-8.1	3.3	-1.1	-17.7	-1.4	-8.8	-6.7	-10.1	-2.9
Sep	-5.7	-8.9	-7.8	10.5	-0.4	-8.7	-6.6	-5.4	-6.9	-11.7	2.3
Oct	-4.2	-10.0	-5.3	14.5	-3.6	-8.0	-3.1	-4.8	-	-12.2	1.4
Nov	-4.7	-1.8	-6.8	9.8	-2.5	2.3	-6.5	-6.2	-2.7	-12.8	3.8
Dec	-4.4	-7.6	-5.7	14.5	-2.9	-4.2	-6.3	-8.5	0.5	-10.8	1.9
2023 Jan	-4.0	-16.8	-3.4	12.5	-2.4	-14.9	-7.2	0.6	-0.1	-11.1	-4.8
Feb	-2.9	-11.7	-2.4	9.1	-3.0	-10.6	-2.5	-1.3	3.4	-9.4	-3.7
Mar	-1.7	-13.1	-1.2	13.4	-0.6	-11.6	-0.2	2.4	4.4	-10.4	-3.0
Apr	-2.0	-15.6	-0.2	6.6	-3.7	-15.5	-0.5	-1.0	8.3	-8.3	-7.3
May	-2.8	-15.1	-0.8	0.6	-3.7	-15.0	2.4	-0.4	6.7	-8.8	-8.1
Jun	0.6	-14.1	3.9	2.3	-3.8	-15.2	2.5	5.5	10.4	-3.4	-7.5
Jul	0.2	-18.3	3.7	2.3	-2.5	-19.3	-2.7	4.8	11.1	-4.5	-9.0
Aug	0.8	-6.2	2.7	3.8	-4.2	-5.3	-8.0	4.8	8.1	-4.4	-2.5
Sep	0.4	-11.3	2.6	3.6	-2.0	-11.4	-1.3	1.9	9.5	-4.0	-4.7
Oct	-1.2	-10.5	0.9	-1.9	-1.1	-11.5	-0.5	-1.9	8.9	-4.7	-6.6
Nov	-1.4	-12.7	1.4	-1.7	-3.7	-13.9	-2.4	1.7	6.7	-4.1	-7.7
Dec	-0.4	-6.7	1.8	-4.2	-3.8	-7.2	-4.3	1.8	5.0	-1.2	-4.9
2024 Jan	-0.7	-1.0	0.6	-4.5	-6.2	0.3	-3.5	-2.0	7.4	-4.6	-1.6
Feb	-0.5	-8.2	1.5	-1.6	-4.2	-7.7	-6.0	1.0	5.7	-2.8	-4.0
Mar	-0.7	-5.1	1.5	-4.5	-7.0	-4.9	-8.3	3.2	2.7	-1.0	-4.1
Apr	-1.7	-4.2	-1.0	-1.5	-3.1	-3.7	-5.7	1.3	-0.2	-3.4	-2.8
May	-0.7	-5.5	-0.3	2.9	-1.0	-5.3	-8.5	2.7	-	-2.7	-2.1
Jun	-2.4	-6.2	-2.0	-0.2	-2.3	-6.3	-9.3	-1.3	-1.9	-2.6	-3.2
Jul	-2.3 <sup>T</sup>	-2.2 <sup>T</sup>	-2.2 <sup>T</sup>	-2.7	-2.8	-2.2 <sup>T</sup>	-6.9 <sup>T</sup>	-0.1 <sup>T</sup>	-3.6 <sup>T</sup>	-1.9 <sup>T</sup>	-2.4 <sup>T</sup>
Aug	-1.7	-10.2	-0.3	-2.6 <sup>T</sup>	-0.3 <sup>T</sup>	-10.9	-3.1	2.0	-1.3	-0.5	-6.0
Sep	-1.8	-4.0	-0.7	-6.5	-2.2	-3.9	-4.7	0.9	-1.9	-0.7	-4.3

<sup>1</sup> Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.

<sup>T</sup> indicates that data are new or have been revised. The period marked is the earliest in the table to have been revised.



# IOP5 Output of the Production Industries

continued

Chained volume indices of gross value added<sup>1</sup>

Seasonally adjusted 2022 = 100

Section	Broad industry groups						Main industrial groupings				
	Production industries	Mining and quarrying	Manufacturing	Electricity, gas, steam and air conditioning	Water supply, sewerage and waste management	Oil and gas extraction	Consumer durables	Consumer non-durables	Capital goods	Intermediate goods	Energy
	B+C+D+E	B	C	D	E	06	MIG-CD	MIG-CND	MIG-CAG	MIG-IG	MIG-NRG
Latest weight	1 000.0	136.7	688.9	83.6	90.8	123.2	61.9	189.2	246.5	235.2	246.3
	K222	K224	K22A	K248	K24C	K226	K24Q	K24R	K24S	K24O	K24T
<b>Percentage change, latest month on previous month</b>											
2022 Jul	-0.4	5.3	-0.9	0.6	-2.1	5.6	1.3	-0.7	-0.9	-0.6	1.8
Aug	-0.7	-10.2	0.3	-0.7	0.3	-11.7	3.1	-1.5	2.1	-0.2	-5.0
Sep	-	2.5	-0.4	2.5	-1.1	3.4	-5.1	3.0	-1.5	-1.8	1.7
Oct	-0.1	-3.1	0.3	0.4	-0.7	-2.6	-2.0	2.1	-0.2	-1.1	-1.2
Nov	0.6	3.6	0.1	-0.5	1.4	4.2	2.0	-1.4	1.9	-0.7	1.6
Dec	-0.4	-7.6	0.5	4.0	-0.5	-8.1	-0.2	1.0	1.5	-0.8	-2.7
2023 Jan	-0.6	-6.8	0.4	-	0.6	-8.0	-0.8	-0.1	-0.4	1.7	-3.7
Feb	0.4	6.3	-	-1.7	-1.5	6.7	2.2	-1.1	1.7	-0.9	2.2
Mar	0.5	-2.4	0.4	3.2	2.6	-2.1	1.0	1.3	0.8	-1.4	0.5
Apr	0.2	-0.1	0.8	-1.7	-2.0	-0.3	-2.9	-1.4	2.5	0.8	-0.7
May	-1.1	0.5	-0.6	-6.5	-2.0	0.6	2.3	-0.2	-0.8	-0.6	-2.2
Jun	2.4	-1.7	3.2	3.2	1.3	-2.0	2.0	4.4	3.4	2.3	0.1
Jul	-0.8	0.2	-1.2	0.7	-0.9	0.5	-3.9	-1.3	-0.3	-1.8	0.2
Aug	-0.1	3.2	-0.7	0.7	-1.5	3.5	-2.6	-1.4	-0.6	-0.1	1.8
Sep	-0.4	-3.1	-0.5	2.3	1.2	-3.3	1.8	0.2	-0.3	-1.4	-0.6
Oct	-1.7	-2.2	-1.4	-4.9	0.2	-2.7	-1.2	-1.7	-0.7	-1.9	-3.1
Nov	0.4	1.0	0.6	-0.3	-1.2	1.4	-	2.3	-0.1	-	0.5
Dec	0.6	-1.2	1.0	1.3	-0.7	-1.0	-2.1	1.1	-0.2	2.1	0.3
2024 Jan	-0.9	-1.0	-0.8	-0.4	-1.9	-0.6	-	-3.8	1.9	-1.8	-0.4
Feb	0.6	-1.4	0.9	1.3	0.6	-1.8	-0.5	1.9	0.1	1.0	-0.3
Mar	0.3	0.8	0.3	0.3	-0.4	0.9	-1.3	3.6	-2.1	0.5	0.4
Apr	-0.8	0.9	-1.7	1.3	2.1	1.0	-0.3	-3.2	-0.4	-1.7	0.7
May	-0.2	-0.9	0.1	-2.3	0.1	-1.1	-0.7	1.2	-0.6	0.1	-1.5
Jun	0.7	-2.5	1.4	-	-	-3.1	1.1	0.3	1.4	2.4	-1.0
Jul	-0.7	4.5 †	-1.3 †	-1.9	-1.4 †	5.0 †	-1.4 †	-0.2 †	-2.1 †	-1.1 †	1.0 †
Aug	0.5	-5.3	1.3	0.9 †	1.1	-5.7	1.5	0.7	1.8	1.3	-2.0
Sep	-0.5	3.7	-1.0	-1.9	-0.7	4.3	-	-0.9	-0.8	-1.7	1.2
<b>Percentage change, latest 3 months on same 3 months a year ago<sup>2</sup></b>											
2022 Jul	-6.4	9.5	-8.1	-10.2	-0.7	17.5	-6.1	-6.2	-6.6	-12.9	-0.1
Aug	-6.3	1.1	-8.2	-2.8	-1.1	5.1	-4.6	-6.6	-6.7	-12.3	0.6
Sep	-6.1	-5.9	-8.0	4.4	-1.3	-5.3	-4.6	-7.0	-6.8	-11.1	1.4
Oct	-5.6	-11.5	-7.1	9.3	-1.7	-11.6	-3.7	-6.3	-4.7	-11.3	0.2
Nov	-4.9	-7.0	-6.7	11.5	-2.2	-5.0	-5.4	-5.4	-3.3	-12.3	2.5
Dec	-4.4	-6.5	-5.9	12.9	-3.0	-3.4	-5.4	-6.5	-0.8	-12.0	2.4
2023 Jan	-4.4	-8.8	-5.3	12.2	-2.6	-5.6	-6.7	-4.8	-0.8	-11.6	0.3
Feb	-3.8	-12.1	-3.9	12.0	-2.7	-10.0	-5.3	-3.2	1.2	-10.4	-2.3
Mar	-2.9	-13.9	-2.4	11.6	-2.0	-12.3	-3.3	0.5	2.5	-10.3	-3.9
Apr	-2.2	-13.5	-1.3	9.6	-2.4	-12.6	-1.1	-	5.3	-9.4	-4.7
May	-2.2	-14.6	-0.7	6.8	-2.7	-14.1	0.5	0.3	6.5	-9.1	-6.2
Jun	-1.4	-14.9	1.0	3.2	-3.7	-15.2	1.5	1.3	8.5	-6.8	-7.7
Jul	-0.7	-15.9	2.2	1.8	-3.3	-16.5	0.7	3.3	9.4	-5.6	-8.2
Aug	0.6	-13.1	3.4	2.8	-3.5	-13.5	-2.8	5.0	9.9	-4.1	-6.4
Sep	0.5	-12.2	3.0	3.3	-2.9	-12.3	-4.0	3.8	9.5	-4.3	-5.4
Oct	-	-9.4	2.1	1.8	-2.5	-9.4	-3.4	1.6	8.8	-4.3	-4.6
Nov	-0.7	-11.6	1.6	-	-2.3	-12.3	-1.4	0.6	8.4	-4.2	-6.3
Dec	-1.0	-10.1	1.3	-2.6	-2.9	-10.9	-2.4	0.5	6.9	-3.3	-6.4
2024 Jan	-0.8	-7.1	1.3	-3.5	-4.6	-7.3	-3.4	0.5	6.4	-3.3	-4.8
Feb	-0.5	-5.4	1.3	-3.5	-4.8	-5.0	-4.6	0.3	6.0	-2.9	-3.5
Mar	-0.6	-4.8	1.2	-3.6	-5.8	-4.2	-5.9	0.7	5.2	-2.8	-3.3
Apr	-0.9	-5.8	0.6	-2.5	-4.8	-5.5	-6.7	1.8	2.7	-2.4	-3.7
May	-1.0	-4.9	-	-1.1	-3.8	-4.6	-7.5	2.4	0.8	-2.3	-3.0
Jun	-1.6	-5.3	-1.1	0.4	-2.2	-5.1	-7.9	0.9	-0.7	-2.9	-2.7
Jul	-1.8	-4.6 †	-1.5	-	-2.1 †	-4.6 †	-8.3	0.4 †	-1.9 †	-2.4 †	-2.6 †
Aug	-2.1	-6.2	-1.5 †	-1.8 †	-1.8	-1.8	-6.5 †	0.2	-2.3	-1.6	-3.9
Sep	-1.9	-5.5	-1.1	-4.0	-1.8	-5.7	-4.9	0.9	-2.3	-1.0	-4.2

1 Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.  
2 Any apparent inconsistencies between these tables and the latest GDP estimate are due to rounding.

† indicates that data are new or have been revised. The period marked is the earliest in the table to have been revised.

# IOP5 Output of the Production Industries

continued

Chained volume indices of gross value added<sup>1</sup>

Seasonally adjusted 2022 = 100

Section	Broad industry groups					Main industrial groupings					
	Production industries	Mining and quarrying	Manufacturing	Electricity, gas, steam and air conditioning	Water supply, sewerage and waste management	Oil and gas extraction	Consumer durables	Consumer non-durables	Capital goods	Intermediate goods	Energy
	B+C+D+E	B	C	D	E	06	MIG-CD	MIG-CND	MIG-CAG	MIG-IG	MIG-NRG
Latest weight	1 000.0	136.7	688.9	83.6	90.8	123.2	61.9	189.2	246.5	235.2	246.3
	K222	K224	K22A	K248	K24C	K226	K24Q	K24R	K24S	K24O	K24T
<b>Percentage change, latest 3 months on previous 3 months<sup>2</sup></b>											
2022 Jul	-1.1	1.3	-1.8	3.0	-1.0	3.1	-1.1	-1.5	-0.6	-3.6	1.3
Aug	-1.7	-2.0	-2.1	2.5	-0.9	-0.9	2.4	-2.2	0.1	-4.4	-0.7
Sep	-1.7	-2.9	-1.9	1.6	-2.1	-2.8	2.6	-1.9	0.2	-3.6	-1.9
Oct	-1.4	-7.3	-1.0	2.0	-1.6	-7.8	0.3	0.3	0.4	-3.3	-3.3
Nov	-0.5	-3.8	-0.3	2.4	-1.6	-3.6	-3.5	2.7	0.1	-3.1	-1.4
Dec	-0.1	-5.2	0.4	2.9	-0.6	-4.6	-3.2	3.1	1.3	-3.1	-1.6
2023 Jan	0.1	-5.0	0.6	3.3	0.4	-4.7	-1.6	1.7	2.1	-2.0	-1.6
Feb	-0.3	-8.8	0.9	3.2	0.1	-9.5	0.7	0.4	3.0	-0.8	-3.8
Mar	-0.3	-7.6	0.9	2.3	0.6	-8.6	1.6	-0.2	2.6	-0.2	-3.4
Apr	0.3	-3.0	0.9	1.1	-0.2	-3.6	1.3	-0.4	3.3	-0.7	-1.2
May	0.3	-0.7	0.8	-1.3	-0.2	-0.6	1.0	-0.5	3.2	-1.1	-0.5
Jun	0.7	-	1.7	-3.6	-1.7	0.1	0.6	0.4	4.2	-0.1	-1.0
Jul	0.4	-1.5	1.7	-4.4	-1.9	-1.5	0.7	1.7	3.3	0.4	-2.3
Aug	1.1	-0.3	2.0	-1.3	-1.8	-0.3	-0.9	2.3	3.3	0.9	-0.9
Sep	0.1	0.2	0.1	1.7	-1.3	0.6	-3.0	0.5	1.2	-1.0	0.5
Oct	-0.8	-0.1	-1.2	2.1	-0.8	-	-3.8	-1.3	-0.1	-2.1	0.5
Nov	-1.8	-2.1	-2.1	-0.4	-0.4	-2.2	-2.1	-1.6	-1.3	-3.3	-1.3
Dec	-1.5	-2.9	-1.2	-3.0	-0.6	-3.2	-1.6	-0.2	-1.2	-2.1	-2.5
2024 Jan	-0.8	-2.6	-0.2	-2.1	-1.8	-2.4	-1.6	0.6	-0.2	-0.9	-1.8
Feb	-0.1	-2.4	0.6	-0.4	-2.5	-2.0	-2.6	-	0.8	0.6	-0.9
Mar	0.1	-2.2	0.7	1.3	-2.4	-1.7	-2.1	-	1.1	0.4	-0.2
Apr	0.2	-1.7	0.3	2.1	-0.4	-1.6	-2.1	0.9	-0.3	0.2	-
May	-0.2	-0.2	-0.5	1.1	0.8	-0.3	-2.1	1.7	-1.9	-0.6	-
Jun	-0.3	-0.5	-0.7	0.3	2.1	-0.8	-1.4	0.5	-1.7	-0.2	-0.5
Jul	-0.4	-0.2 <sup>†</sup>	-0.5 <sup>†</sup>	-2.0	0.9	-0.6 <sup>†</sup>	-1.1	0.3 <sup>†</sup>	-1.3	0.4	-1.3 <sup>†</sup>
Aug	-0.1 <sup>†</sup>	-1.7	0.4	-2.1 <sup>†</sup>	0.2 <sup>†</sup>	-2.2	0.1	0.1	0.1 <sup>†</sup>	1.7	-1.8
Sep	-0.2	-	0.2	-2.7	-0.9	-0.1	0.1	0.6	-0.4	0.9	-1.1

1 Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.

2 Any apparent inconsistencies between these tables and the latest GDP estimate are due to rounding.

<sup>†</sup> indicates that data are new or have been revised. The period marked is the earliest in the table to have been revised.

# IOP5 Output of the Production Industries

continued

Chained volume indices of gross value added<sup>1</sup>

Seasonally adjusted 2022 = 100

Section	Food products, beverages and tobacco	Textiles, wearing apparel and leather products	Wood and paper products and printing	Coke and refined petroleum products	Chemicals and chemical products	Basic pharmaceutical products and preparations
	CA	CB	CC	CD	CE	CF
Latest weight	112.2	20.4	43.4	10.4	41.2	56.4
	K22B	K22P	K22T	K22X	K22Z	K239
2019	101.0	108.4	121.1	94.3	120.9	82.5
2020	100.1	71.6	111.2	82.9	135.4	98.4
2021	105.2	98.7	117.1	88.4	125.9	102.9
2022	100.0	100.0	100.0	100.0	100.0	100.0
2023	97.2	90.1	91.6	97.1	87.1	113.8
2023 Q3	97.1	88.7	92.1	94.9	86.9	115.3
Q4	97.7	86.3	89.1	91.9	85.1	115.1
2024 Q1	98.7	83.7	89.9	97.6	84.8	112.9
Q2	98.9	80.1	90.4	94.1	87.2	114.3
Q3	99.3	79.7	92.0	90.5	88.0	115.0
2023 Jul	97.8	88.2	93.2	95.5	88.3	116.2
Aug	96.2	88.5	92.9	96.1	85.9	115.9
Sep	97.4	89.3	90.2	93.3	86.5	113.8
Oct	97.2	86.2	89.4	90.2	84.5	109.9
Nov	97.8	86.6	89.0	92.5	85.3	115.9
Dec	98.1	86.2	88.8	93.1	85.5	119.6
2024 Jan	97.5	83.8	89.3	94.5	84.0	107.6
Feb	98.8	85.3	90.6	99.4	85.4	110.2
Mar	99.9	82.0	89.9	98.9	84.9	121.0
Apr	97.7	81.5	89.4	93.6	86.7	113.6
May	99.5	79.2	90.6	92.4	86.9	113.8
Jun	99.4	79.7	91.2	96.2	88.0	115.5
Jul	99.3	79.4 <sup>†</sup>	92.7 <sup>†</sup>	90.0	88.0 <sup>†</sup>	114.8 <sup>†</sup>
Aug	99.5 <sup>†</sup>	79.2	92.6	90.1	87.7	116.5
Sep	99.1	80.6	90.5	91.5	88.5	113.6

## Percentage change, latest year on previous year

2019	0.1	12.3	1.8	-18.6	14.4	5.7
2020	-1.0	-33.9	-8.2	-12.1	12.0	19.3
2021	5.1	37.8	5.3	6.6	-7.1	4.6
2022	-4.9	1.3	-14.6	13.1	-20.5	-2.8
2023	-2.8	-9.9	-8.4	-2.9	-12.9	13.8

## Percentage change, latest month on same month a year ago

2022 Jul	-6.7	-0.5	-15.8	-1.2	-23.2	-5.9
Aug	-6.8	-2.8	-16.2	-2.0	-19.8	-11.1
Sep	-8.7	-4.2	-18.3	3.8	-21.1	5.8
Oct	-8.1	-8.7	-19.6	4.1	-22.8	6.7
Nov	-7.4	-8.1	-18.0	-4.1	-23.5	0.3
Dec	-6.7	-2.8	-17.0	-3.8	-24.3	-7.9
2023 Jan	-5.9	-6.8	-15.3	-2.9	-22.4	18.9
Feb	-4.9	-5.1	-15.3	-5.5	-20.5	10.9
Mar	-5.3	-10.2	-13.6	-5.5	-17.8	25.4
Apr	-5.7	-12.3	-9.9	-6.5	-17.4	14.1
May	-4.8	-10.3	-11.0	-5.3	-17.6	13.6
Jun	-2.2	-2.9	-4.7	-2.3	-10.8	24.7
Jul	-2.2	-12.3	-6.3	3.3	-7.8	24.3
Aug	-2.9	-11.6	-2.9	2.5	-11.9	26.1
Sep	0.8	-10.9	-4.8	-0.7	-7.0	6.1
Oct	-0.4	-10.5	-6.0	-5.9	-8.1	-2.5
Nov	-0.3	-12.8	-4.6	-3.5	-4.4	7.5
Dec	1.3	-13.0	-3.2	-0.4	-2.6	4.5
2024 Jan	0.1	-12.4	-3.7	-2.5	-7.4	-2.3
Feb	1.3	-9.1	-1.6	1.7	-3.2	1.3
Mar	3.3	-10.4	-2.8	-2.9	-4.0	6.3
Apr	1.6	-9.8	-4.3	-9.6	-0.8	2.4
May	2.9	-12.6	-0.9	-11.9	0.5	3.4
Jun	1.7	-15.4	-2.7	-3.8	0.3	-4.3
Jul	1.6	-10.0 <sup>†</sup>	-0.5 <sup>†</sup>	-5.8 <sup>†</sup>	-0.4 <sup>†</sup>	-1.3 <sup>†</sup>
Aug	3.5 <sup>†</sup>	-10.6	-0.2	-6.3	2.0	0.6
Sep	1.7	-9.7	0.3	-1.9	2.2	-0.2

<sup>1</sup> Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.

<sup>†</sup> indicates that data are new or have been revised. The period marked is the earliest in the table to have been revised.

# IOP5 Output of the Production Industries

continued

Chained volume indices of gross value added<sup>1</sup>

Seasonally adjusted 2022 = 100

Section	Rubber and plastic products and non-metallic mineral products	Basic metals and metal products	Computer, electronic and optical products	Electrical equipment	Machinery and equipment not elsewhere classified	Transport equipment	Other manufacturing and repair
	CG	CH	CI	CJ	CK	CL	CM
Latest weight	51.2	76.3	47.2	19.3	54.6	94.1	62.3
	K23B	K23G	K23N	K23P	K23R	K23T	K23Z
2019	110.6	103.6	94.9	123.2	97.2	99.5	100.9
2020	111.2	113.1	98.9	165.8	101.2	98.9	97.9
2021	111.2	106.0	107.1	137.4	111.9	105.9	101.8
2022	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2023	90.1	103.2	100.9	95.7	99.2	114.5	102.2
2023 Q3	87.5	104.9	100.7	99.4	100.5	118.1	102.6
Q4	83.2	105.3	98.8	94.8	93.6	120.4	100.9
2024 Q1	84.8	108.0	96.3	92.4	91.7	124.7	101.5
Q2	84.3	108.1	95.2	88.5	92.7	120.9	99.4
Q3	85.2	109.6	96.0	86.6	91.2	119.9	99.2
2023 Jul	88.6	104.3	102.3	100.8	102.4	116.4	104.8
Aug	88.1	105.3	98.9	99.0	100.5	119.5	101.6
Sep	85.7	105.1	101.0	98.6	98.6	118.3	101.4
Oct	83.5	103.5	98.9	95.3	95.7	118.7	101.5
Nov	82.3	104.7	100.2	95.0	93.0	119.9	99.8
Dec	83.9	107.5	97.3	94.3	92.1	122.4	101.3
2024 Jan	84.0	106.9	97.2	91.1	93.2	124.5	102.6
Feb	85.0	108.5	96.4	90.9	90.3	127.6	100.8
Mar	85.3	108.6	95.3	95.3	91.7	122.0	101.0
Apr	83.3	106.6	95.5	89.2	91.9	121.2	99.3
May	84.1	107.1	94.4	86.3	91.2	120.0	99.9
Jun	85.4	110.7	95.8	90.1	94.8	121.4	99.1
Jul	83.9	109.0 <sup>†</sup>	94.8 <sup>†</sup>	85.2 <sup>†</sup>	90.5 <sup>†</sup>	118.3 <sup>†</sup>	99.4 <sup>†</sup>
Aug	85.4	111.4	97.0	90.1	91.0	121.6	99.4
Sep	86.4	108.4	96.2	84.4	92.1	119.9	98.9
<b>Percentage change, latest year on previous year</b>							
2019	1.3	-3.6	0.6	15.9	-8.7	-2.8	-1.2
2020	0.6	9.1	4.1	34.6	4.1	-0.6	-3.0
2021	-0.1	-6.3	8.3	-17.1	10.6	7.1	3.9
2022	-10.1	-5.7	-6.6	-27.2	-10.6	-5.6	-1.7
2023	-9.9	3.2	0.9	-4.3	-0.8	14.5	2.2
<b>Percentage change, latest month on same month a year ago</b>							
2022 Jul	-7.9	-2.8	-6.7	-27.6	-11.0	-4.0	-4.4
Aug	-7.1	-2.5	-2.9	-21.5	-11.8	-8.5	0.5
Sep	-10.1	-3.3	-6.8	-20.1	-14.5	-5.2	-2.0
Oct	-9.4	-3.1	-2.8	-16.5	-	2.9	-1.7
Nov	-11.8	-4.2	-7.4	-14.6	-6.0	0.2	0.9
Dec	-5.1	-5.4	-6.8	-14.4	4.1	0.9	3.7
2023 Jan	-4.8	-3.5	-7.2	-11.5	-2.8	3.2	2.5
Feb	-3.3	-3.3	0.2	-14.9	3.0	5.9	0.5
Mar	-7.5	-3.0	2.8	-14.2	3.1	6.7	1.1
Apr	-8.9	-1.2	1.8	-5.9	4.8	12.4	7.0
May	-12.0	0.3	7.1	-5.3	-2.4	10.8	4.1
Jun	-6.2	3.4	7.7	0.3	-2.3	19.3	5.4
Jul	-11.4	5.5	2.5	4.0	2.8	19.3	5.0
Aug	-11.3	6.7	-5.0	0.5	1.2	20.2	0.2
Sep	-12.1	7.4	2.0	1.2	-0.4	20.7	1.3
Oct	-14.7	7.4	1.9	-1.6	-	18.1	1.4
Nov	-14.2	7.9	0.7	-1.1	-5.8	17.7	-1.4
Dec	-13.4	12.1	-2.8	-0.9	-9.8	19.5	-1.0
2024 Jan	-14.6	6.5	-1.6	-5.8	-7.7	20.6	1.2
Feb	-12.6	8.3	-4.9	1.8	-12.6	21.0	-0.3
Mar	-8.8	7.8	-7.3	5.3	-10.2	13.7	-0.2
Apr	-10.4	5.1	-3.9	-6.9	-11.0	7.2	-4.7
May	-8.7	5.3	-8.7	-8.1	-8.4	7.9	-2.4
Jun	-9.9	7.2	-9.8	-8.9	-4.5	3.0	-6.0
Jul	-5.2 <sup>†</sup>	4.5 <sup>†</sup>	-7.3 <sup>†</sup>	-15.4 <sup>†</sup>	-11.7 <sup>†</sup>	1.6 <sup>†</sup>	-5.1 <sup>†</sup>
Aug	-3.0	5.8	-2.0	-9.0	-9.5	1.7	-2.1
Sep	0.8	3.1	-4.8	-14.3	-6.6	1.3	-2.5

<sup>1</sup> Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.

<sup>†</sup> indicates that data are new or have been revised. The period marked is the earliest in the table to have been revised.

# IOP5 Output of the Production Industries

continued

Chained volume indices of gross value added<sup>1</sup>

Seasonally adjusted 2022 = 100

Section	Food products, beverages and tobacco	Textiles, wearing apparel and leather products	Wood and paper products and printing	Coke and refined petroleum products	Chemicals and chemical products	Basic pharmaceutical products and preparations
	CA	CB	CC	CD	CE	CF
Latest weight	112.2	20.4	43.4	10.4	41.2	56.4
	K22B	K22P	K22T	K22X	K22Z	K239

## Percentage change, latest month on previous month

2022	Jul	-0.1	3.8	1.0	-9.7	-2.5	-3.4
	Aug	-0.9	-0.5	-3.8	1.5	1.7	-1.7
	Sep	-2.5	0.1	-0.8	0.2	-4.5	16.7
	Oct	1.0	-4.0	0.3	2.0	-1.2	5.2
	Nov	0.6	3.2	-1.9	-	-3.0	-4.4
	Dec	-1.3	-0.2	-1.7	-2.5	-1.6	6.0
2023	Jan	0.6	-3.5	1.1	3.7	3.4	-3.7
	Feb	0.1	-2.0	-0.8	0.8	-2.8	-1.3
	Mar	-0.8	-2.4	0.4	4.3	0.2	4.6
	Apr	-0.6	-1.3	1.1	1.7	-1.1	-2.6
	May	0.6	0.3	-2.1	1.1	-1.1	-0.7
	Jun	1.1	3.9	2.5	-4.6	1.4	9.7
	Jul	-	-6.3	-0.6	-4.5	0.7	-3.7
	Aug	-1.7	0.3	-0.3	0.6	-2.7	-0.3
	Sep	1.2	0.8	-2.8	-2.9	0.7	-1.8
	Oct	-0.1	-3.5	-0.9	-3.3	-2.4	-3.4
	Nov	0.6	0.5	-0.5	2.6	1.0	5.5
	Dec	0.3	-0.4	-0.2	0.6	0.2	3.1
2024	Jan	-0.6	-2.8	0.6	1.5	-1.7	-10.0
	Feb	1.3	1.8	1.4	5.2	1.7	2.4
	Mar	1.1	-3.8	-0.8	-0.4	-0.7	9.8
	Apr	-2.2	-0.6	-0.5	-5.4	2.2	-6.1
	May	1.8	-2.8	1.3	-1.4	0.2	0.2
	Jun	-	0.5	0.6	4.2	1.3	1.5
	Jul	-0.1	-0.4 <sup>†</sup>	1.7 <sup>†</sup>	-6.5 <sup>†</sup>	- <sup>†</sup>	-0.6 <sup>†</sup>
	Aug	0.2 <sup>†</sup>	-0.3	-0.1	0.1	-0.4	1.5
	Sep	-0.5	1.8	-2.3	1.6	0.9	-2.5

## Percentage change, latest 3 months on same 3 months a year ago

2022	Jul	-6.4	-2.2	-15.7	8.3	-22.2	-4.3
	Aug	-6.8	-2.8	-16.0	-0.2	-22.5	-4.3
	Sep	-7.4	-2.5	-16.8	0.1	-21.4	-3.8
	Oct	-7.9	-5.2	-18.0	1.9	-21.2	0.5
	Nov	-8.1	-7.0	-18.6	1.1	-22.5	4.2
	Dec	-7.4	-6.6	-18.2	-1.4	-23.5	-0.7
2023	Jan	-6.7	-6.0	-16.8	-3.6	-23.4	2.5
	Feb	-5.9	-4.9	-15.9	-4.1	-22.4	5.8
	Mar	-5.4	-7.4	-14.7	-4.7	-20.3	18.2
	Apr	-5.3	-9.2	-13.0	-5.9	-18.6	16.6
	May	-5.3	-10.9	-11.5	-5.8	-17.6	17.5
	Jun	-4.3	-8.6	-8.6	-4.7	-15.4	17.5
	Jul	-3.1	-8.6	-7.4	-1.7	-12.2	20.8
	Aug	-2.4	-9.0	-4.7	1.1	-10.2	25.0
	Sep	-1.5	-11.6	-4.7	1.7	-9.0	18.2
	Oct	-0.8	-11.0	-4.5	-1.4	-9.1	8.9
	Nov	-	-11.4	-5.1	-3.4	-6.5	3.6
	Dec	0.2	-12.1	-4.6	-3.3	-5.1	3.1
2024	Jan	0.4	-12.7	-3.9	-2.1	-4.8	3.2
	Feb	0.9	-11.5	-2.8	-0.4	-4.4	1.2
	Mar	1.6	-10.6	-2.7	-1.3	-4.9	1.8
	Apr	2.1	-9.7	-2.9	-3.7	-2.6	3.4
	May	2.6	-10.9	-2.7	-8.2	-1.4	4.1
	Jun	2.0	-12.6	-2.7	-8.5	-	0.4
	Jul	2.0	-12.7	-1.4	-7.2	0.1	-0.8 <sup>†</sup>
	Aug	2.2 <sup>†</sup>	-12.1 <sup>†</sup>	-1.2	-5.2	0.6 <sup>†</sup>	-1.7
	Sep	2.3	-10.1	-0.1	-4.7	1.3	-0.3

<sup>1</sup> Any apparent inconsistencies between the index numbers and the percentage changes shown in these tables are due to rounding.

<sup>†</sup> indicates that data are new or have been revised. The period marked is the earliest in the table to have been revised.

# IOP5 Output of the Production Industries

continued

Chained volume indices of gross value added<sup>1</sup>

Seasonally adjusted 2022 = 100

Section	Rubber and plastic products and non-metallic mineral products	Basic metals and metal products	Computer, electronic and optical products	Electrical equipment	Machinery and equipment not elsewhere classified	Transport equipment	Other manufacturing and repair
	CG	CH	CI	CJ	CK	CL	CM
Latest weight	51.2	76.3	47.2	19.3	54.6	94.1	62.3
	K23B	K23G	K23N	K23P	K23R	K23T	K23Z

## Percentage change, latest month on previous month

2022	Jul	-1.1	-1.0	1.2	-1.7	-2.0	-1.2	-0.3
	Aug	-0.6	-0.1	4.3	1.6	-0.3	1.9	1.6
	Sep	-1.9	-0.9	-4.8	-1.1	-0.2	-1.4	-1.2
	Oct	0.4	-1.5	-2.0	-0.6	-3.5	2.5	-
	Nov	-2.0	0.7	2.6	-0.8	3.2	1.4	1.1
	Dec	1.0	-1.2	0.6	-0.8	3.5	0.6	1.1
2023	Jan	1.5	4.6	-1.3	1.6	-1.1	0.8	-1.0
	Feb	-1.1	-0.2	2.5	-7.7	2.2	2.2	-0.2
	Mar	-3.9	0.6	1.5	1.3	-1.1	1.7	-0.1
	Apr	-0.5	0.7	-3.5	5.9	1.1	5.5	3.0
	May	-0.9	0.3	4.1	-1.9	-3.5	-1.6	-1.8
	Jun	2.9	1.5	2.7	5.4	-0.4	5.9	3.1
	Jul	-6.6	1.0	-3.7	1.8	3.2	-1.2	-0.7
	Aug	-0.5	0.9	-3.3	-1.8	-1.9	2.6	-3.1
	Sep	-2.8	-0.2	2.1	-0.5	-1.8	-1.0	-0.1
	Oct	-2.6	-1.5	-2.1	-3.3	-3.0	0.3	0.1
	Nov	-1.4	1.2	1.3	-0.3	-2.8	1.0	-1.6
	Dec	2.0	2.7	-2.9	-0.7	-1.0	2.1	1.5
2024	Jan	0.2	-0.6	-0.1	-3.4	1.3	1.7	1.2
	Feb	1.1	1.5	-0.9	-0.2	-3.2	2.5	-1.7
	Mar	0.3	-	-1.1	4.8	1.6	-4.4	0.1
	Apr	-2.3	-1.8	0.1	-6.4	0.2	-0.6	-1.6
	May	0.9	0.5	-1.1	-3.2	-0.7	-1.0	0.6
	Jun	1.5	3.3	1.5	4.4	3.9	1.1	-0.7
	Jul	-1.7	-1.5 <sup>†</sup>	-1.0 <sup>†</sup>	-5.4 <sup>†</sup>	-4.6 <sup>†</sup>	-2.6 <sup>†</sup>	0.3 <sup>†</sup>
	Aug	1.8 <sup>†</sup>	2.2	2.3	5.7	0.5	2.8	-
	Sep	1.1	-2.7	-0.8	-6.3	1.3	-1.4	-0.5

## Percentage change, latest 3 months on same 3 months a year ago

2022	Jul	-8.2	-6.3	-8.6	-30.0	-12.4	-1.1	-4.0
	Aug	-8.2	-4.9	-6.1	-26.1	-12.0	-4.6	-2.7
	Sep	-8.4	-2.9	-5.5	-23.2	-12.5	-5.9	-2.0
	Oct	-8.9	-3.0	-4.2	-19.4	-9.3	-3.8	-1.1
	Nov	-10.4	-3.5	-5.7	-17.1	-7.3	-0.8	-1.0
	Dec	-8.9	-4.2	-5.7	-15.2	-0.8	1.3	0.9
2023	Jan	-7.3	-4.3	-7.1	-13.5	-1.7	1.4	2.4
	Feb	-4.4	-4.0	-4.7	-13.6	1.4	3.3	2.2
	Mar	-5.2	-3.2	-1.5	-13.5	1.0	5.2	1.4
	Apr	-6.6	-2.5	1.6	-11.7	3.6	8.3	2.8
	May	-9.5	-1.3	3.9	-8.6	1.8	10.0	4.0
	Jun	-9.0	0.8	5.5	-3.6	-0.1	14.1	5.5
	Jul	-9.9	3.1	5.7	-0.4	-0.7	16.4	4.9
	Aug	-9.6	5.2	1.6	1.6	0.5	19.6	3.5
	Sep	-11.6	6.5	-0.2	1.9	1.2	20.0	2.2
	Oct	-12.7	7.1	-0.4	0.1	0.3	19.7	1.0
	Nov	-13.6	7.6	1.5	-0.5	-2.1	18.8	0.5
	Dec	-14.1	9.1	-0.1	-1.2	-5.3	18.4	-0.3
2024	Jan	-14.1	8.8	-1.3	-2.6	-7.8	19.3	-0.4
	Feb	-13.5	9.0	-3.1	-1.7	-10.0	20.3	-
	Mar	-12.0	7.6	-4.6	0.3	-10.2	18.4	0.3
	Apr	-10.6	7.1	-5.4	-0.1	-11.3	13.8	-1.7
	May	-9.3	6.1	-6.7	-3.3	-9.9	9.5	-2.4
	Jun	-9.7	5.9	-7.5	-8.0	-8.0	5.9	-4.4
	Jul	-8.0	5.7	-8.6 <sup>†</sup>	-10.9 <sup>†</sup>	-8.2 <sup>†</sup>	4.1 <sup>†</sup>	-4.5
	Aug	-6.2	5.8 <sup>†</sup>	-6.5	-11.1	-8.6	2.1	-4.4 <sup>†</sup>
	Sep	-2.5	4.5	-4.7	-12.9	-9.3	1.5	-3.3

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<sup>†</sup> indicates that data are new or have been revised. The period marked is the earliest in the table to have been revised.

# IOP5 Output of the Production Industries

continued

Chained volume indices of gross value added<sup>1</sup>

Seasonally adjusted 2022 = 100

Section	Food products, beverages and tobacco	Textiles, wearing apparel and leather products	Wood and paper products and printing	Coke and refined petroleum products	Chemicals and chemical products	Basic pharmaceutical products and preparations
	CA	CB	CC	CD	CE	CF
Latest weight	112.2	20.4	43.4	10.4	41.2	56.4
	K22B	K22P	K22T	K22X	K22Z	K239

## Percentage change, latest 3 months on previous 3 months

2022	Jul	-1.7	-1.6	-5.9	-5.2	-7.8	0.4
	Aug	-2.2	-2.7	-6.4	-12.4	-8.4	-0.9
	Sep	-2.6	-	-4.9	-13.5	-7.3	0.6
	Oct	-2.8	-0.7	-5.0	-7.2	-5.5	8.6
	Nov	-2.2	-0.6	-3.5	-1.0	-5.9	16.2
	Dec	-1.0	-2.1	-3.3	1.8	-6.1	14.5
2023	Jan	-0.3	-0.8	-2.7	0.9	-5.3	6.6
	Feb	-0.2	-2.5	-2.3	0.9	-2.8	1.7
	Mar	-0.3	-4.7	-1.1	4.0	-0.6	-0.7
	Apr	-0.7	-6.3	-	6.0	-1.4	0.3
	May	-0.8	-5.5	0.3	7.7	-1.7	0.4
	Jun	-0.3	-2.0	0.5	4.0	-2.2	2.6
	Jul	0.7	-0.9	0.2	-1.0	-0.6	4.0
	Aug	0.8	-0.6	0.9	-6.1	-0.1	5.4
	Sep	0.2	-3.4	-0.9	-7.7	-0.3	1.3
	Oct	-0.5	-3.3	-2.1	-6.9	-2.1	-2.1
	Nov	0.2	-3.3	-4.0	-5.4	-2.1	-3.7
	Dec	0.6	-2.6	-3.3	-3.2	-2.1	-0.1
2024	Jan	0.9	-2.8	-2.0	0.2	-0.8	1.0
	Feb	0.7	-2.6	-	4.0	-0.6	-0.7
	Mar	1.0	-3.0	0.9	6.2	-0.4	-1.9
	Apr	1.0	-3.0	1.0	4.3	0.9	0.5
	May	0.9	-4.9	0.4	-0.7	1.4	3.2
	Jun	0.1	-4.2	0.5	-3.6	2.9	1.2
	Jul	0.6	-4.2	1.7	-4.6	2.3 <sup>†</sup>	-0.2 <sup>†</sup>
	Aug	0.4 <sup>†</sup>	-1.9 <sup>†</sup>	2.5 <sup>†</sup>	-3.1 <sup>†</sup>	2.0	-0.4
	Sep	0.4	-0.5	1.7	-3.8	1.0	0.6

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# IOP5 Output of the Production Industries

continued

Chained volume indices of gross value added<sup>1</sup>

Seasonally adjusted 2022 = 100

Section	Rubber and plastic products and non-metallic mineral products	Basic metals and metal products	Computer, electronic and optical products	Electrical equipment	Machinery and equipment not elsewhere classified	Transport equipment	Other manufacturing and repair
	CG	CH	CI	CJ	CK	CL	CM
Latest weight	51.2	76.3	47.2	19.3	54.6	94.1	62.3
	K23B	K23G	K23N	K23P	K23R	K23T	K23Z

## Percentage change, latest 3 months on previous 3 months

2022	Jul	0.7	-3.2	-1.3	-5.6	1.8	-1.3	-
	Aug	-2.4	-3.4	2.8	-4.0	0.2	-1.9	1.8
	Sep	-3.6	-2.8	3.5	-2.2	-1.4	-1.6	1.8
	Oct	-3.6	-2.4	1.7	-0.7	-3.1	0.4	1.1
	Nov	-3.0	-2.1	-2.3	-1.3	-2.4	1.5	0.1
	Dec	-2.1	-2.1	-2.0	-1.6	-0.5	3.3	0.8
2023	Jan	-1.2	0.1	-0.5	-1.6	2.7	3.2	1.1
	Feb	0.4	1.8	1.6	-3.1	4.4	3.6	1.2
	Mar	-0.5	4.1	2.1	-4.0	3.4	3.7	-
	Apr	-2.6	3.1	1.7	-4.3	2.3	5.9	0.5
	May	-4.8	2.5	1.8	-0.4	-0.4	6.6	0.9
	Jun	-3.2	1.7	2.0	4.4	-1.4	8.3	2.8
	Jul	-2.9	2.3	2.8	6.6	-2.4	6.1	2.0
	Aug	-2.5	3.0	0.6	6.7	-1.0	6.7	1.4
	Sep	-6.3	2.7	-2.2	3.3	-0.2	3.5	-1.4
	Oct	-6.6	1.5	-4.2	-0.3	-2.2	3.2	-2.6
	Nov	-7.4	0.1	-2.4	-3.3	-4.9	0.9	-2.9
	Dec	-4.9	0.3	-1.9	-4.6	-6.9	1.9	-1.7
2024	Jan	-2.7	1.7	-1.4	-4.3	-5.6	2.9	-0.2
	Feb	0.6	3.1	-3.1	-4.3	-4.1	4.9	0.7
	Mar	1.8	2.6	-2.5	-2.6	-2.0	3.6	0.6
	Apr	1.3	1.4	-2.6	-1.8	-1.6	1.1	-0.9
	May	-0.1	-0.2	-2.0	-2.0	-0.3	-3.0	-1.5
	Jun	-0.6	0.1	-1.1	-4.2	1.0	-3.1	-2.0
	Jul	-0.1	1.0	-0.8	-5.0 <sup>†</sup>	1.0 <sup>†</sup>	-3.0 <sup>†</sup>	-0.9
	Aug	0.8	2.8 <sup>†</sup>	0.8	-2.0	0.5	-0.5	-0.7 <sup>†</sup>
	Sep	1.1	1.4	0.8	-2.2	-1.6	-0.8	-0.2

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**Media contact:**  
Tel: Media Relations Office +44 (0) 845 6041858  
Emergency on-call +44 (0) 7867 906553  
Email: [press.office@ons.gov.uk](mailto:press.office@ons.gov.uk)

**Statistical contact:**  
Email: [indexofproduction@ons.gov.uk](mailto:indexofproduction@ons.gov.uk)

**Contact us:**  
Tel: +44 (0) 845 601 3034  
Email: [info@ons.gov.uk](mailto:info@ons.gov.uk)  
Website: [www.statistics.gov.uk](http://www.statistics.gov.uk)  
Twitter: [www.twitter.com/statisticsONS](https://www.twitter.com/statisticsONS)