

Statistical bulletin

# Index of Production, UK: June 2022

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



Contact:  
David Beckett  
[indexofproduction@ons.gov.uk](mailto:indexofproduction@ons.gov.uk)  
+44 1633 456980

Release date:  
12 August 2022

Next release:  
12 September 2022

## Table of contents

1. [Main points](#)
2. [Index of Production \(IoP\) data](#)
3. [Measuring the data](#)
4. [Related links](#)

# 1 . Main points

- Monthly production output fell by 0.9% between May and June 2022, reaching a level that was 1.0% below February 2020; this was the last month of "normal" trading conditions before the coronavirus (COVID-19) pandemic.
- The monthly fall in output resulted from a decline in two of the four production sectors, with manufacturing falling by 1.6% and mining and quarrying by 1.8%; in contrast, electricity and gas rose by 3.1%, and water supply and sewerage by 0.5%.
- Manufacturing saw widespread weakness with 10 of its 13 sub-sectors negatively contributing to growth during June; most notably, manufacture of rubber and plastic products contributed negative 0.39 percentage points to the Index of Production (IoP) (with growth falling by 6.2%), manufacture of basic metals contributed negative 0.26 percentage points (with growth falling by 3.1%), and manufacture of chemical products contributed negative 0.25 percentage points (with growth falling by 5.5%).
- Output remained below the February 2020 pre-coronavirus pandemic levels in two of the four production sectors, with monthly mining and quarrying output 16.4% below, and manufacturing 1.1% below the February 2020 level; in contrast, water supply and sewerage was 11.3% above the level, with electricity and gas remaining flat at 0.0% growth.
- Production output for Quarter 2 (Apr to June) rose by 0.5%, compared with Quarter 1 (Jan to Mar) 2022; there were rises from two of the production sectors, 2.9% in water supply and sewerage and 2.7% in electricity and gas, while a fall of 0.3% was seen in mining and quarrying, and manufacturing growth remained flat at 0.0%.
- Further analysis of the effect on our monthly Index of Production estimate is available in our [GDP monthly estimate, UK: June 2022](#) bulletin, published 12 August 2022.

## 2 . Index of Production (IoP) data

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

Dataset DIOP | Released 12 August 2022

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 12 August 2022

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 12 August 2022

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 12 August 2022

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

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

Dataset | Released 12 August 2022

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 IoP are available on our [Related data page](#).

## 3 . Measuring the data

The Index of Production (IoP) uses data from a variety of sources. It is calculated by taking turnover and removing the impact 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 Business, Energy and Industrial Strategy (BEIS), and the International Steel Statistics Bureau (ISSB) for steel industries.

From January 2018, Value Added Tax (VAT) data have also been included across 64 production industries for small- and medium-sized businesses. For more information, see 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 \(GDP\) source catalogue \(XLS, 715KB\)](#).

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

### Coronavirus (COVID-19)

The Office for National Statistics' (ONS') MBS is fully online. Business owners can log on from any location and submit their data at an appropriate time. Most other data in the IoP come from the BEIS, and therefore will be less affected than survey data.

Our latest data and analysis on the impact of the coronavirus (COVID-19) pandemic on the UK economy and population are available on our [Coronavirus \(COVID-19\) data and analysis web page](#). This is the hub for all special coronavirus-related publications, including the fortnightly Business Insights and Conditions Survey (BICS).

### Economic statistics governance after EU exit

Following the UK's exit from the EU, new governance arrangements are being put in place. These will support the adoption and implementation of high-quality standards for UK economic statistics. These governance arrangements will promote international comparability and add to the credibility and independence of the UK's statistical system.

At the centre of this new governance framework, there will be the new National Statistician's Committee for Advice on Standards for Economic Statistics (NSCASE). NSCASE will support the UK by ensuring its processes for influencing and adopting international statistical standards are world leading. The advice that NSCASE provides to the National Statistician will span the full range of domains in economic statistics, including:

- the National Accounts
- fiscal statistics
- prices
- trade and the balance of payments
- labour market statistics

You can access [further information on the NSCASE on the UK Statistics Authority's website](#).

## 4 . Related links

### [International comparisons of GDP during the coronavirus \(COVID-19\) pandemic](#)

Article | Released 1 February 2021

The coronavirus (COVID-19) pandemic has led to record declines in gross domestic product (GDP) in advanced economies in 2020. International comparisons show that the UK has experienced the largest contraction in volume GDP among the G7 countries. However, international comparisons have also been complicated by how National Statistical Institutes (NSIs) record non-market output.

### [Comparison of motor vehicle manufacturing output statistics, UK: 1997 to 2019](#)

Article | Released 10 January 2020

Comparing measures of motor vehicle manufacturing compiled by the Office for National Statistics (ONS) and published in the Index of Production (IoP), with outputs from the Society of Motor Manufacturers and Traders (SMMT).

### [Comparing ONS' economic data with IHS Markit and CIPS Purchasing Managers' Index surveys](#)

Article | Released 21 October 2019

A comparison between official estimates of UK output and diffusion indices, looking at the level of correlation between Office for National Statistics data and IHS Markit and Chartered Institute of Procurement and Supply Purchasing Managers' Indices.

### [GDP monthly estimate, UK: June 2022](#)

Bulletin | Released 12 August 2022

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.

### [Producer price inflation, UK: June 2022](#)

Bulletin | Released 20 July 2022

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: 2020 results](#)

Bulletin | Released 11 August 2021

Estimates for UK manufacturers' sales by product (ProdCom) for 2020, including 2019 final sales data.

### [Energy Trends and Prices statistical release](#)

Bulletin | Released 28 July 2022

The latest provisional monthly energy production, consumption and prices statistics produced by the Department for Business, Energy and Industrial Strategy, published on the gov.uk website. The data are used to measure the mining and quarrying, electricity and gas, and manufacture of coke and refined petroleum products sectors within this release.



- [Page 1](#) Output by Broad industry groups and Main industrial groupings  
Percentage change, latest year on previous year  
Percentage change, latest month on same month a year ago
- [Page 2](#) Percentage change, latest month on previous month  
Percentage change, latest 3 months on same 3 months a year ago
- [Page 3](#) Percentage change, latest 3 months on previous 3 months
- [Page 4](#) Output by Manufacturing sub-sectors part 1  
Percentage change, latest year on previous year  
Percentage change, latest month on same month a year ago
- [Page 5](#) Output by Manufacturing sub-sectors part 2  
Percentage change, latest year on previous year  
Percentage change, latest month on same month a year ago
- [Page 6](#) Percentage change, latest month on previous month part 1  
Percentage change, latest 3 months on same 3 months a year ago
- [Page 7](#) Percentage change, latest month on previous month part 2  
Percentage change, latest 3 months on same 3 months a year ago
- [Page 8](#) Percentage change, latest 3 months on previous 3 months part 1
- [Page 9](#) Percentage change, latest 3 months on previous 3 months part 2
- [Enquiries](#)

# IOP5 Output of the Production Industries

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

Seasonally adjusted 2019 = 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	78.4	724.6	109.7	87.4	65.8	66.6	193.8	269.3	243.0	220.1	
	K222	K224	K22A	K248	K24C	K226	K24Q	K24R	K24S	K24O	K24T	
2017	93.3	94.0	93.3	86.9	100.0	93.6	92.1	89.3	97.6	91.9	91.6	
2018	96.6	98.7	97.0	88.6	100.5	99.0	97.7	96.0	101.6	93.9	93.2	
2019	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
2020	91.6	80.6	91.1	97.7	98.2	78.5	86.2	99.1	84.1	93.5	91.9	
2021	96.3	71.5	97.7	98.8	104.1	66.7	92.2	103.7	89.9	102.4	88.7	
2021 Q2	96.3	61.2	98.0	105.0	103.0	54.5	91.1	103.7	89.7	103.7	88.4	
Q3	96.6	77.2	98.0	96.0	103.9	72.7	94.4	103.9	89.9	102.4	89.5	
Q4	96.5	73.1	98.4	92.3	106.8	68.7	93.2	107.2	89.0	102.5	86.3	
2022 Q1	97.7	72.7	99.8	94.1	107.1	68.0	98.0	103.1	90.3	107.8	87.7	
Q2	98.2	72.5	99.8	96.7	110.1	68.1	95.9	104.3	90.7	106.4	88.9	
2021 Apr	96.1	61.9	97.8	104.1	102.4	55.6	88.3	101.1	91.8	103.7	87.5	
May	97.1	64.5	98.3	108.8	102.3	58.5	90.8	107.4	87.7	103.7	91.6	
Jun	95.8	57.3	97.9	102.2	104.2	49.5	94.2	102.7	89.5	103.6	86.2	
Jul	96.6	70.1	98.2	98.9	104.5	64.1	94.9	104.7	89.1	103.0	88.4	
Aug	96.9	81.7	98.0	95.1	103.9	77.9	93.5	103.8	90.5	102.0	90.7	
Sep	96.4	79.8	97.7	94.1	103.3	76.0	94.7	103.2	90.0	102.3	89.5	
Oct	95.7	75.3	97.5	91.4	105.0	71.4	91.5	106.6	88.9	102.2	86.5	
Nov	96.7	73.1	98.5	92.7	107.4	68.2	93.7	106.2	89.5	103.4	86.4	
Dec	97.0	70.9	99.2	92.9	107.9	66.4	94.5	108.8	90.7	102.0	86.0	
2022 Jan	97.9	72.4	100.2	94.3	106.8	67.4	98.8	102.4	91.8	108.3	87.2	
Feb	97.4	72.1	99.5	94.6	106.8	68.0	97.2	104.0	89.0	107.4	87.9	
Mar	97.7	73.5	99.8	93.5	107.6	68.6	98.1	102.7	90.1	107.8	87.9	
Apr	97.6 <sup>T</sup>	72.4 <sup>T</sup>	99.2	95.4	110.3 <sup>T</sup>	68.0 <sup>T</sup>	93.9 <sup>T</sup>	103.7 <sup>T</sup>	88.8 <sup>T</sup>	107.0 <sup>T</sup>	89.0 <sup>T</sup>	
May	98.9	73.2	100.9 <sup>T</sup>	95.9 <sup>T</sup>	109.8	68.4	95.7	105.2	91.1	108.3	88.3	
Jun	98.0	71.9	99.3	98.9	110.3	67.8	98.1	103.9	92.1	103.9	89.3	
<b>Percentage change, latest year on previous year</b>												
2017	0.1	-8.8	1.4	-5.2	0.9	-7.4	3.9	-2.7	6.9	-1.5	-5.0	
2018	3.5	5.0	3.9	2.0	0.5	5.7	6.1	7.5	4.1	2.2	1.8	
2019	3.6	1.3	3.1	12.9	-0.5	1.0	2.4	4.1	-1.6	6.4	7.3	
2020	-8.4	-19.4	-8.9	-2.2	-1.8	-21.6	-13.8	-0.9	-15.9	-6.5	-8.1	
2021	5.1	-11.3	7.2	1.0	6.0	-15.0	7.1	4.6	6.9	9.5	-3.4	
<b>Percentage change, latest month on same month a year ago</b>												
2020 Apr	-25.5	-24.4	-30.2	-9.8	-8.6	-23.1	-36.9	-8.6	-42.7	-31.9	-12.6	
May	-21.6	-20.2	-24.9	-11.5	-8.9	-20.6	-26.5	-3.2	-39.2	-23.2	-13.3	
Jun	-12.4	-0.6	-15.6	-6.3	-3.6	-	-22.3	-1.7	-27.1	-11.3	-3.8	
Jul	-7.7	-11.9	-9.2	0.5	-1.5	-13.8	-12.4	1.5	-18.6	-5.6	-5.0	
Aug	-5.2	-15.7	-5.6	2.6	-1.9	-17.1	-9.7	4.2	-13.0	-3.2	-5.0	
Sep	-5.0	-20.8	-4.7	0.4	-0.5	-23.3	-9.0	-	-10.3	-2.1	-6.8	
Oct	-4.7	-11.7	-4.3	-6.3	0.6	-12.2	-9.3	-0.9	-9.4	-0.4	-7.3	
Nov	-2.9	-14.2	-1.3	-8.1	0.4	-15.5	-6.2	-0.8	-4.5	2.8	-9.9	
Dec	-2.8	-9.2	-2.7	-2.9	2.0	-9.1	-12.8	-0.6	-5.8	0.8	-5.6	
2021 Jan	-3.9	-10.7	-4.8	1.8	1.0	-12.1	-6.5	-0.7	-10.5	-0.1	-4.3	
Feb	-3.5	-16.1	-4.1	3.2	3.8	-18.4	-3.8	-4.1	-7.3	1.6	-5.2	
Mar	3.7	-7.5	5.0	1.8	3.9	-8.4	2.3	-2.1	9.9	8.0	-3.2	
Apr	30.1	-19.9	41.9	16.2	11.5	-29.7	41.7	10.3	65.2	53.2	-	
May	23.7	-18.6	30.8	21.7	11.1	-25.6	20.2	12.9	42.0	35.8	5.0	
Jun	9.8	-36.0	16.1	6.7	6.6	-44.0	20.9	5.7	21.2	17.2	-7.7	
Jul	4.8	-15.1	7.8	-2.1	5.6	-19.6	9.7	2.3	9.3	9.3	-5.3	
Aug	3.3	3.9	4.5	-5.8	5.2	2.7	3.5	1.3	4.1	5.3	-1.4	
Sep	1.9	5.0	2.8	-7.2	4.1	4.7	4.6	4.1	0.8	3.8	-2.7	
Oct	0.3	-4.3	1.2	-6.9	5.2	-5.7	-0.6	8.0	-4.9	1.7	-5.2	
Nov	0.2	-3.1	0.3	-4.8	7.8	-5.1	-0.6	8.1	-5.3	0.2	-3.2	
Dec	1.0	-7.9	2.4	-7.9	6.8	-11.7	10.3	11.8	-1.8	-0.2	-7.2	
2022 Jan	3.3	-5.2	5.4	-7.4	5.5	-7.1	10.4	3.7	3.8	7.5	-4.4	
Feb	2.0	-	3.4	-7.3	3.8	-0.1	5.0	5.0	-3.0	6.6	-2.6	
Mar	1.1	-1.9	2.3	-7.4	3.8	-4.3	10.5	1.1	-2.6	6.1	-2.9	
Apr	1.6	16.8 <sup>T</sup>	1.4 <sup>T</sup>	-8.4	7.8 <sup>T</sup>	22.3 <sup>T</sup>	6.4 <sup>T</sup>	2.5 <sup>T</sup>	-3.3 <sup>T</sup>	3.2 <sup>T</sup>	1.7 <sup>T</sup>	
May	1.8 <sup>T</sup>	13.5	2.6	-11.9 <sup>T</sup>	7.3	16.8	5.4	-2.0	3.9	4.5	-3.6	
Jun	2.4	25.4	1.3	-3.3	5.9	37.1	4.1	1.2	2.9	0.3	3.7	

<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

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

continued

Seasonally adjusted 2019 = 100

		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
Section		B+C+D+E	B	C	D	E	06	MIG-CD	MIG-CND	MIG-CAG	MIG-IG	MIG-NRG
Latest weight		1 000.0	78.4	724.6	109.7	87.4	65.8	66.6	193.8	269.3	243.0	220.1
		K222	K224	K22A	K248	K24C	K226	K24Q	K24R	K24S	K24O	K24T
<b>Percentage change, latest month on previous month</b>												
2020	Apr	-20.8	-4.6	-25.8	-9.7	-7.9	1.2	-28.2	-11.6	-33.9	-28.1	-6.3
	May	6.3	2.5	9.0	-0.2	0.3	-0.5	21.2	3.7	11.2	12.9	-0.4
	Jun	11.1	13.0	12.3	7.2	6.2	12.3	3.2	2.2	19.6	15.8	7.1
	Jul	5.7	-7.8	7.9	5.4	1.2	-9.8	11.1	5.3	10.3	6.7	-
	Aug	1.8	-4.8	3.1	-	-0.3	-4.9	4.3	0.2	6.7	2.7	-1.5
	Sep	0.8	-3.3	1.3	0.4	0.6	-4.3	0.3	-3.3	2.7	1.9	-
	Oct	0.9	3.5	1.4	-3.2	0.5	4.4	1.6	-0.5	2.3	2.0	-0.8
	Nov	1.0	-4.2	1.9	-0.8	-0.2	-5.2	2.4	-0.5	3.5	2.6	-2.1
	Dec	-0.4	2.1	-1.4	3.6	1.4	4.7	-9.1	-1.0	-2.3	-1.0	3.7
2021	Jan	-1.3	-0.8	-1.9	1.0	0.2	-3.5	4.4	1.6	-4.3	-1.4	-1.5
	Feb	0.8	-5.5	1.3	0.2	1.6	-6.2	3.4	0.2	3.8	-	-1.0
	Mar	1.2	3.9	1.4	-1.1	0.7	5.3	-4.1	2.5	0.8	0.9	0.2
	Apr	-0.6	-17.4	0.3	3.1	-1.2	-22.4	-0.6	-0.5	-0.7	2.0	-3.3
	May	1.1	4.1	0.4	4.5	-	5.2	2.8	6.2	-4.5	-	4.6
	Jun	-1.4	-11.2	-0.3	-6.1	1.8	-15.4	3.7	-4.4	2.0	-0.1	-5.9
	Jul	0.9	22.3	0.3	-3.3	0.3	29.6	0.8	1.9	-0.5	-0.5	2.6
	Aug	0.4	16.5	-0.1	-3.8	-0.6	21.5	-1.5	-0.8	1.6	-1.1	2.6
	Sep	-0.6	-2.3	-0.3	-1.0	-0.6	-2.5	1.3	-0.6	-0.5	0.4	-1.3
	Oct	-0.7	-5.6	-0.2	-2.9	1.6	-6.1	-3.4	3.2	-3.5	-0.1	-3.3
	Nov	1.0	-2.9	1.1	1.5	2.3	-4.5	2.5	-0.4	3.1	1.1	-0.1
	Dec	0.4	-3.0	0.6	0.2	0.5	-2.6	0.8	2.5	1.3	-1.4	-0.6
2022	Jan	0.9	2.2	1.0	1.5	-1.0	1.5	4.5	-5.8	1.2	6.2	1.4
	Feb	-0.5	-0.4	-0.7	0.3	-	0.9	-1.7	1.5	-3.1	-0.8	0.8
	Mar	0.3	1.9	0.3	-1.2	0.8	0.9	1.0	-1.2	1.2	0.4	-
	Apr	-0.1	-1.6 <sup>T</sup>	-0.6	2.0 <sup>T</sup>	2.5 <sup>T</sup>	-0.8 <sup>T</sup>	-4.3 <sup>T</sup>	0.9 <sup>T</sup>	-1.4 <sup>T</sup>	-0.8 <sup>T</sup>	1.3 <sup>T</sup>
	May	1.3 <sup>T</sup>	1.1	1.7 <sup>T</sup>	0.6	-0.5	0.5	1.9	1.5	2.6	1.3	-0.9
	Jun	-0.9	-1.8	-1.6	3.1	0.5	-0.8	2.5	-1.2	1.1	-4.1	1.2
<b>Percentage change, latest 3 months on same 3 months a year ago<sup>2</sup></b>												
2020	Apr	-12.1	-28.2	-13.0	0.5	-3.0	-30.9	-18.6	-2.8	-20.3	-13.0	-9.8
	May	-18.6	-25.5	-21.3	-5.5	-5.9	-26.9	-26.1	-4.4	-32.9	-20.4	-11.7
	Jun	-19.8	-15.6	-23.5	-9.2	-7.0	-15.2	-28.5	-4.5	-36.2	-22.1	-9.9
	Jul	-13.9	-11.2	-16.6	-5.8	-4.7	-11.8	-20.5	-1.1	-28.4	-13.3	-7.4
	Aug	-8.4	-9.5	-10.1	-1.1	-2.3	-10.4	-14.8	1.3	-19.6	-6.7	-4.6
	Sep	-6.0	-16.2	-6.5	1.1	-1.3	-18.1	-10.3	1.9	-14.0	-3.6	-5.6
	Oct	-5.0	-16.2	-4.9	-1.2	-0.6	-17.7	-9.3	1.1	-10.9	-1.9	-6.4
	Nov	-4.2	-15.7	-3.4	-4.8	0.2	-17.2	-8.2	-0.6	-8.1	0.1	-8.0
	Dec	-3.4	-11.7	-2.8	-5.8	1.0	-12.3	-9.4	-0.8	-6.6	1.0	-7.6
2021	Jan	-3.2	-11.4	-2.9	-3.2	1.1	-12.2	-8.5	-0.7	-6.9	1.1	-6.6
	Feb	-3.4	-12.0	-3.9	0.6	2.2	-13.2	-7.7	-1.9	-7.9	0.8	-5.0
	Mar	-1.3	-11.5	-1.5	2.3	2.9	-13.0	-2.8	-2.3	-3.3	3.1	-4.2
	Apr	8.4	-14.4	11.2	6.8	6.3	-18.8	9.9	1.0	15.7	17.3	-2.9
	May	18.0	-15.2	23.9	12.8	8.7	-21.3	19.2	6.7	35.0	29.8	0.5
	Jun	20.6	-25.3	28.7	14.7	9.6	-33.5	26.7	9.6	40.7	33.8	-1.1
	Jul	12.3	-23.7	17.5	8.3	7.7	-30.3	16.6	6.8	22.7	19.8	-2.8
	Aug	5.9	-16.6	9.2	-0.5	5.8	-21.5	10.9	3.0	11.1	10.4	-4.8
	Sep	3.3	-2.4	5.0	-5.0	5.0	-4.5	5.9	2.5	4.6	6.1	-3.1
	Oct	1.8	1.5	2.8	-6.7	4.8	0.5	2.5	4.4	-0.1	3.6	-3.1
	Nov	0.8	-0.8	1.4	-6.3	5.7	-2.1	1.1	6.7	-3.2	1.9	-3.7
	Dec	0.5	-5.1	1.3	-6.6	6.6	-7.5	2.8	9.3	-4.0	0.6	-5.2
2022	Jan	1.5	-5.4	2.7	-6.7	6.7	-8.0	6.5	7.8	-1.2	2.5	-5.0
	Feb	2.1	-4.4	3.7	-7.6	5.3	-6.5	8.5	6.8	-0.4	4.6	-4.7
	Mar	2.1	-2.4	3.7	-7.4	4.4	-3.9	8.6	3.2	-0.6	6.7	-3.3
	Apr	1.5	4.3 <sup>T</sup>	2.3	-7.7	5.1	4.7 <sup>T</sup>	7.3	2.9 <sup>T</sup>	-3.0	5.3 <sup>T</sup>	-1.3 <sup>T</sup>
	May	1.5 <sup>T</sup>	8.8	2.1 <sup>T</sup>	-9.3	6.3	10.3	7.4 <sup>T</sup>	0.5	-0.7 <sup>T</sup>	4.6	-1.6
	Jun	1.9	18.3	1.8	-7.9	7.0	24.8	5.3	0.5	1.1	2.6	0.5

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>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

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

continued

Seasonally adjusted 2019 = 100

		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
Section		B+C+D+E	B	C	D	E	06	MIG-CD	MIG-CND	MIG-CAG	MIG-IG	MIG-NRG
Latest weight		1 000.0	78.4	724.6	109.7	87.4	65.8	66.6	193.8	269.3	243.0	220.1
		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>												
2020	Apr	-10.4	-5.4	-12.2	-7.2	-2.6	-3.8	-16.7	0.8	-19.4	-13.8	-5.6
	May	-17.2	-7.3	-20.9	-8.1	-5.0	-5.0	-22.6	-3.4	-31.9	-21.0	-7.1
	Jun	-17.7	-2.5	-22.0	-7.9	-5.8	0.9	-22.6	-7.4	-32.1	-20.9	-5.6
	Jul	-3.1	2.9	-4.4	-0.5	-0.6	2.6	-2.2	-1.4	-9.0	-0.7	-0.8
	Aug	11.2	5.6	13.6	7.0	4.2	3.4	13.4	4.0	20.3	17.4	3.9
	Sep	17.1	-3.6	22.5	10.4	5.4	-7.3	23.9	7.1	34.8	24.6	3.4
	Oct	10.1	-7.2	13.8	5.0	3.1	-9.2	13.7	2.0	23.3	14.2	0.5
	Nov	4.9	-8.2	7.5	-0.3	1.1	-9.8	8.7	-2.0	13.6	8.2	-2.2
	Dec	2.6	-2.6	4.1	-2.3	1.1	-2.4	1.7	-3.3	8.0	5.6	-1.5
2021	Jan	1.2	-2.0	1.7	-0.1	1.4	-2.1	-1.2	-2.0	2.9	3.4	-0.7
	Feb	-	-2.0	-0.5	2.7	2.2	-2.0	-3.3	-0.3	-1.0	0.4	0.6
	Mar	-0.3	-3.3	-0.9	2.9	2.4	-4.7	-0.4	1.8	-2.0	-0.9	-0.4
	Apr	0.3	-8.6	0.5	2.4	2.3	-11.0	-	2.5	0.3	-	-1.8
	May	1.2	-10.7	1.9	3.0	1.0	-13.9	-	5.1	-0.2	1.8	-1.6
	Jun	0.7	-17.8	1.8	3.3	0.4	-22.9	0.9	3.9	-1.3	2.6	-2.5
	Jul	0.4	-8.2	1.0	0.9	0.7	-11.9	3.8	4.3	-3.5	1.4	-0.8
	Aug	-0.2	3.8	0.2	-5.7	1.4	3.1	5.5	0.4	-1.1	-0.1	-1.6
	Sep	0.3	26.0	-	-8.6	0.9	33.3	3.6	0.2	0.2	-1.2	1.2
	Oct	-0.1	23.4	-0.4	-9.5	0.4	30.9	-0.1	-0.3	0.4	-1.2	0.2
	Nov	-0.2	9.1	-0.1	-6.1	1.0	12.5	-0.9	1.5	-1.0	-0.2	-1.0
	Dec	-0.2	-5.3	0.4	-3.8	2.7	-5.6	-1.2	3.1	-0.9	0.1	-3.6
2022	Jan	0.9	-8.6	1.6	-0.2	3.2	-10.4	2.7	1.2	1.7	2.3	-2.7
	Feb	1.2	-5.6	1.7	1.3	1.8	-6.4	3.8	-0.2	1.9	3.2	-0.5
	Mar	1.3	-0.5	1.4	2.0	0.3	-1.0	5.1	-3.8	1.4	5.2	1.6
	Apr	0.4	0.8 <sup>†</sup>	0.2	1.3	0.8	1.3 <sup>†</sup>	0.7 <sup>†</sup>	-2.2	-1.5 <sup>†</sup>	2.8	2.0 <sup>†</sup>
	May	0.6 <sup>†</sup>	1.7	0.3 <sup>†</sup>	1.0	1.9	1.6	-0.9	-1.1 <sup>†</sup>	-0.5	1.7 <sup>†</sup>	1.6
	Jun	0.5	-0.3	-	2.7	2.9	0.2	-2.2	1.2	0.4	-1.3	1.4

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

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

continued

Seasonally adjusted 2019 = 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	110.8	25.5	48.0	14.2	44.3	49.0
	K22B	K22P	K22T	K22X	K22Z	K239
2017	86.5	87.6	93.1	99.4	80.6	94.1
2018	96.7	92.6	94.6	78.8	86.5	94.8
2019	100.0	100.0	100.0	100.0	100.0	100.0
2020	94.7	87.9	90.4	87.1	106.3	113.1
2021	98.0	104.0	101.3	87.5	110.6	117.4
2021 Q2	99.5	106.3	103.2	89.0	112.3	113.3
Q3	99.3	105.5	102.2	93.8	108.3	114.9
Q4	99.3	107.3	101.1	91.4	109.8	125.7
2022 Q1	101.8	108.3	104.1	97.9	106.3	108.8
Q2	102.6	107.8	103.8	102.0	101.0	109.9
2021 Apr	99.4	103.1	103.7	80.2	114.4	101.7
May	99.9	106.4	103.8	90.6	111.7	127.1
Jun	99.1	109.4	102.2	96.1	110.8	111.2
Jul	99.8	106.9	103.3	94.5	109.3	117.2
Aug	99.4	106.5	100.8	95.2	108.6	113.8
Sep	98.8	103.1	102.5	91.8	107.1	113.7
Oct	99.7	108.4	102.5	91.2	109.1	122.3
Nov	99.9	107.9	101.4	91.5	110.4	120.1
Dec	98.3	105.5	99.5	91.5	109.9	134.6
2022 Jan	101.4	111.5	103.3	93.6	111.5	105.7
Feb	101.8	107.7	104.1	97.3	104.4	113.9
Mar	102.3	105.7	104.8	102.8	103.1	106.8
Apr	102.3 <sup>†</sup>	108.8 <sup>†</sup>	104.3 <sup>†</sup>	101.0 <sup>†</sup>	102.5 <sup>†</sup>	106.6 <sup>†</sup>
May	103.5	108.6	105.5	104.0	103.1	111.0
Jun	102.0	105.9	101.5	101.0	97.4	112.0

## Percentage change, latest year on previous year

2017	-3.7	8.3	-1.4	-6.6	-5.7	-2.1
2018	11.7	5.8	1.7	-20.7	7.3	0.7
2019	3.5	7.9	5.7	27.0	15.7	5.6
2020	-5.3	-12.1	-9.6	-12.9	6.3	13.1
2021	3.5	18.2	12.1	0.4	4.1	3.8

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

2020 Apr	-14.1	-58.9	-34.4	-21.6	1.4	21.9
May	-11.1	-36.2	-26.2	-28.3	1.5	24.9
Jun	-6.6	-13.7	-16.3	-22.5	0.2	16.6
Jul	-2.5	-6.0	-6.3	-23.7	5.6	13.2
Aug	-3.4	-1.9	-7.1	-23.6	8.9	24.3
Sep	-4.5	-9.9	-7.0	-3.3	6.0	17.7
Oct	-4.3	-9.0	-6.4	-15.6	7.0	11.8
Nov	-3.2	-3.9	-2.2	-18.6	15.1	8.7
Dec	-3.7	1.5	-1.4	-23.2	14.0	12.5
2021 Jan	-5.2	-2.3	-2.8	-28.0	6.6	14.3
Feb	-6.2	-8.4	0.5	-31.0	8.2	6.1
Mar	-3.2	17.8	6.4	-25.8	2.5	-0.7
Apr	15.2	151.5	54.9	3.1	15.2	-16.1
May	12.9	70.3	44.3	21.8	10.6	5.4
Jun	8.8	27.6	23.7	30.3	10.9	-6.0
Jul	3.7	11.5	12.3	23.1	5.4	-3.4
Aug	3.6	8.5	8.7	26.4	1.0	-4.8
Sep	3.1	10.8	9.2	3.4	0.4	3.4
Oct	3.8	14.2	7.2	2.1	0.3	13.1
Nov	4.1	10.6	3.2	5.3	-2.8	13.0
Dec	4.0	5.1	1.8	6.4	-6.2	27.6
2022 Jan	9.1	16.5	5.6	22.4	-1.3	-7.2
Feb	8.5	14.5	5.1	29.8	-6.6	-0.8
Mar	7.8	5.3	5.0	36.0	-7.0	-9.4
Apr	2.8 <sup>†</sup>	5.4 <sup>†</sup>	0.6 <sup>†</sup>	26.0 <sup>†</sup>	-10.4 <sup>†</sup>	4.9 <sup>†</sup>
May	3.6	2.1	1.7	14.9	-7.6	-12.7
Jun	2.8	-3.3	-0.6	5.1	-12.0	0.7

<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

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

continued

Seasonally adjusted 2019 = 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	52.8	81.3	50.5	18.0	54.6	108.3	67.4
	K23B	K23G	K23N	K23P	K23R	K23T	K23Z
2017	91.2	100.8	92.2	90.4	97.7	101.0	95.6
2018	94.4	100.2	98.5	89.1	106.7	101.9	98.5
2019	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2020	93.2	89.4	88.7	94.0	80.2	77.1	94.2
2021	109.2	93.4	92.0	102.4	94.2	77.3	106.0
2021 Q2	110.0	94.1	91.2	105.0	97.7	75.0	106.0
Q3	109.7	93.5	92.6	102.3	96.7	75.4	108.1
Q4	111.0	94.1	92.8	99.0	91.0	75.9	107.1
2022 Q1	115.9	102.0	96.7	105.1	92.6	73.7	113.3
Q2	114.5	102.3	95.4	105.3	90.0	76.5	113.1
2021 Apr	113.2	92.7	89.5	104.9	96.9	81.7	104.2
May	108.7	95.0	91.9	107.1	97.8	69.2	105.8
Jun	108.1	94.5	92.1	103.0	98.4	74.1	108.0
Jul	109.6	93.2	92.6	103.7	94.9	74.4	108.7
Aug	109.6	92.9	92.5	101.8	96.0	77.3	108.2
Sep	110.0	94.3	92.6	101.3	99.1	74.6	107.4
Oct	110.6	93.2	90.2	99.1	88.7	73.0	108.1
Nov	112.3	95.4	92.7	98.7	94.1	75.1	107.5
Dec	110.2	93.8	95.4	99.1	90.3	79.7	105.8
2022 Jan	117.4	99.7	99.5	105.9	96.1	75.3	110.8
Feb	115.2	102.9	95.0	102.3	91.9	71.6	113.2
Mar	115.1	103.4	95.6	107.1	89.9	74.3	115.8
Apr	115.4 <sup>T</sup>	103.9	92.8 <sup>T</sup>	104.2 <sup>T</sup>	88.4 <sup>T</sup>	75.2 <sup>T</sup>	111.1 <sup>T</sup>
May	117.6	103.1 <sup>T</sup>	94.9	108.5	91.2	76.2	114.7
Jun	110.4	99.9	98.5	103.2	90.5	78.1	113.4

## Percentage change, latest year on previous year

2017	0.6	-2.7	4.5	4.2	8.2	7.6	5.2
2018	3.5	-0.6	6.8	-1.5	9.1	0.8	3.1
2019	6.0	-0.2	1.6	12.3	-6.2	-1.8	1.5
2020	-6.9	-10.6	-11.3	-6.0	-19.8	-22.9	-5.8
2021	17.3	4.5	3.7	8.9	17.5	0.3	12.6

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

2020 Apr	-46.8	-30.3	-27.0	-31.6	-48.9	-61.5	-30.1
May	-29.1	-25.7	-18.2	-22.7	-39.2	-62.6	-22.2
Jun	-10.7	-14.1	-17.3	-15.6	-26.3	-41.8	-14.8
Jul	-3.4	-12.8	-9.9	-10.1	-19.4	-29.5	-5.6
Aug	-0.6	-9.9	-6.8	1.2	-18.5	-21.3	-0.4
Sep	1.0	-6.5	-7.4	1.0	-16.5	-12.6	-3.7
Oct	2.4	-4.7	-8.8	1.5	-12.1	-12.1	-1.3
Nov	5.3	-4.5	-5.3	5.3	-6.4	-4.4	-1.4
Dec	2.6	-7.3	-13.7	-10.2	-3.2	-8.1	-0.2
2021 Jan	1.7	-6.4	-6.1	-1.7	-3.5	-20.3	-2.0
Feb	3.2	-6.6	-1.4	4.5	-2.3	-15.9	-2.4
Mar	19.7	1.2	1.9	6.4	20.2	9.1	7.2
Apr	111.9	35.3	24.8	52.1	86.0	134.5	45.7
May	54.9	27.5	9.2	37.0	58.8	82.5	34.9
Jun	21.7	11.5	10.6	19.3	32.3	23.0	27.5
Jul	13.5	6.3	4.7	12.0	19.1	2.8	16.8
Aug	10.5	3.3	0.9	0.2	19.6	-3.4	9.3
Sep	8.3	0.5	0.7	-0.7	21.0	-15.1	11.0
Oct	7.8	-2.2	-3.3	-1.9	3.2	-18.6	9.0
Nov	7.1	-0.6	-2.9	-6.0	4.0	-19.4	6.7
Dec	5.2	-1.1	12.4	8.4	-2.5	-12.5	5.5
2022 Jan	13.2	7.9	11.3	5.8	9.1	-6.8	8.5
Feb	9.7	13.7	1.5	-3.2	2.6	-15.1	9.1
Mar	4.8	11.8	5.7	2.5	-6.6	-11.6	12.5
Apr	2.0 <sup>T</sup>	12.1	3.7 <sup>T</sup>	-0.7 <sup>T</sup>	-8.8 <sup>T</sup>	-7.9 <sup>T</sup>	6.6 <sup>T</sup>
May	8.2	8.5 <sup>T</sup>	3.3	1.4	-6.8	10.2	8.4
Jun	2.1	5.7	6.9	0.2	-8.1	5.4	5.0

<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

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

continued

Seasonally adjusted 2019 = 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	110.8	25.5	48.0	18.5	44.3	49.0	
	K22B	K22P	K22T	K22X	K22Z	K239	
<b>Percentage change, latest month on previous month</b>							
2020	Apr	-11.9	-51.9	-28.6	-23.7	-8.2	2.1
	May	2.5	52.3	7.4	-4.3	1.7	-0.5
	Jun	3.0	37.3	14.8	-0.8	-1.1	-1.8
	Jul	5.6	11.7	11.3	4.1	3.8	2.5
	Aug	-0.2	2.5	0.9	-2.0	3.7	-1.4
	Sep	-0.1	-5.2	1.3	17.9	-0.8	-8.0
	Oct	0.2	2.0	1.8	0.7	2.0	-1.7
	Nov	-	2.7	2.7	-2.7	4.4	-1.7
	Dec	-1.5	3.0	-0.5	-1.1	3.1	-0.7
2021	Jan	-1.7	-4.7	-0.1	-11.0	-3.6	8.0
	Feb	0.9	-1.6	1.3	-2.0	-1.0	0.8
	Mar	1.2	6.7	0.8	0.8	-0.8	2.7
	Apr	4.8	2.7	3.9	6.1	3.2	-13.7
	May	0.5	3.1	0.1	13.0	-2.4	25.0
	Jun	-0.8	2.9	-1.6	6.1	-0.8	-12.5
	Jul	0.7	-2.3	1.1	-1.6	-1.3	5.3
	Aug	-0.4	-0.3	-2.4	0.6	-0.6	-2.9
	Sep	-0.6	-3.2	1.7	-3.5	-1.4	-0.1
	Oct	0.9	5.1	-	-0.7	1.9	7.6
	Nov	0.2	-0.5	-1.1	0.3	1.2	-1.8
	Dec	-1.6	-2.2	-1.9	-	-0.4	12.1
2022	Jan	3.2	5.6	3.7	2.3	1.4	-21.4
	Feb	0.3	-3.4	0.8	3.9	-6.3	7.7
	Mar	0.5	-1.9	0.7	5.7	-1.2	-6.2
	Apr	-	2.9 <sup>†</sup>	-0.4 <sup>†</sup>	-1.8 <sup>†</sup>	-0.6 <sup>†</sup>	-0.2
	May	1.2	-0.2	1.1	3.0	0.6	4.1 <sup>†</sup>
	Jun	-1.5	-2.5	-3.8	-2.9	-5.5	1.0
<b>Percentage change, latest 3 months on same 3 months a year ago</b>							
2020	Apr	-6.8	-22.8	-14.9	-1.6	3.2	10.9
	May	-10.0	-36.6	-23.0	-15.2	2.8	17.0
	Jun	-10.6	-36.3	-25.7	-24.2	1.0	21.1
	Jul	-6.7	-18.4	-16.2	-24.9	2.4	18.0
	Aug	-4.2	-7.2	-9.9	-23.3	4.9	17.8
	Sep	-3.5	-6.0	-6.8	-17.2	6.9	18.2
	Oct	-4.1	-7.0	-6.8	-14.5	7.3	17.9
	Nov	-4.0	-7.6	-5.2	-13.0	9.3	12.7
	Dec	-3.7	-3.9	-3.3	-19.2	12.0	11.0
2021	Jan	-4.0	-1.5	-2.1	-23.3	11.8	11.8
	Feb	-5.0	-3.1	-1.2	-27.3	9.6	10.8
	Mar	-4.9	1.5	1.2	-28.3	5.7	6.2
	Apr	1.3	29.9	16.6	-20.0	8.5	-3.9
	May	7.8	64.2	32.0	-3.0	9.2	-3.8
	Jun	12.2	68.5	39.8	18.2	12.2	-5.6
	Jul	8.4	32.2	25.4	25.0	8.9	-1.3
	Aug	5.3	15.4	14.6	26.6	5.6	-4.7
	Sep	3.5	10.3	10.0	16.9	2.2	-1.7
	Oct	3.5	11.1	8.3	9.8	0.5	3.6
	Nov	3.6	11.9	6.5	3.6	-0.8	9.8
	Dec	4.0	9.9	4.0	4.6	-3.0	17.9
2022	Jan	5.7	10.7	3.5	10.9	-3.5	10.7
	Feb	7.2	11.9	4.2	18.9	-4.7	6.0
	Mar	8.5	12.0	5.2	29.4	-4.9	-5.8
	Apr	6.3 <sup>†</sup>	8.2 <sup>†</sup>	3.5	30.5 <sup>†</sup>	-8.0 <sup>†</sup>	-2.1
	May	4.7	4.2	2.4 <sup>†</sup>	25.0	-8.4	-6.4 <sup>†</sup>
	Jun	3.1	1.3	0.6	14.7	-10.0	-3.0

<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 2019 = 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	52.8	81.3	50.5	18.0	54.6	108.3	67.4	
	K23B	K23G	K23N	K23P	K23R	K23T	K23Z	
<b>Percentage change, latest month on previous month</b>								
2020	Apr	-41.8	-25.0	-19.2	-29.7	-35.0	-54.7	-25.5
	May	31.4	8.6	17.4	13.3	18.2	8.7	9.6
	Jun	26.5	13.8	-1.1	10.5	20.8	58.9	8.0
	Jul	8.8	3.5	6.3	7.3	7.2	20.2	9.9
	Aug	2.6	2.5	3.6	9.6	0.6	10.5	6.3
	Sep	2.5	4.4	0.3	0.5	2.1	9.9	-2.2
	Oct	1.0	1.5	1.5	-0.9	5.0	2.1	2.5
	Nov	2.2	0.7	2.3	3.8	5.3	3.8	1.6
	Dec	-0.1	-1.1	-11.1	-12.9	2.4	-2.1	-0.4
2021	Jan	-0.9	-2.6	5.4	9.5	-4.9	-11.4	1.9
	Feb	1.2	-2.1	4.7	5.5	1.7	4.4	1.6
	Mar	4.6	2.2	-3.4	-1.1	7.5	-0.4	-0.8
	Apr	3.0	0.3	-1.0	0.5	0.7	-2.7	1.3
	May	-3.9	2.4	2.7	2.1	0.9	-15.4	1.5
	Jun	-0.6	-0.4	0.2	-3.8	0.7	7.1	2.1
	Jul	1.4	-1.4	0.6	0.7	-3.6	0.5	0.7
	Aug	-	-0.3	-0.1	-1.9	1.1	3.8	-0.5
	Sep	0.4	1.6	0.1	-0.5	3.2	-3.5	-0.7
	Oct	0.5	-1.2	-2.6	-2.1	-10.4	-2.1	0.7
	Nov	1.6	2.3	2.8	-0.5	6.0	2.8	-0.6
	Dec	-1.9	-1.6	2.9	0.5	-4.0	6.2	-1.6
2022	Jan	6.6	6.2	4.3	6.8	6.4	-5.5	4.8
	Feb	-1.9	3.2	-4.5	-3.4	-4.4	-5.0	2.2
	Mar	-0.1	0.5	0.6	4.7	-2.2	3.8	2.3
	Apr	0.2 <sup>†</sup>	0.5	-3.0 <sup>†</sup>	-2.7 <sup>†</sup>	-1.7 <sup>†</sup>	1.3 <sup>†</sup>	-4.0
	May	1.9	-0.8 <sup>†</sup>	2.3	4.2	3.2	1.3	3.2 <sup>†</sup>
	Jun	-6.2	-3.1	3.7	-4.9	-0.8	2.4	-1.2
<b>Percentage change, latest 3 months on same 3 months a year ago</b>								
2020	Apr	-18.0	-14.0	-15.3	-9.2	-27.4	-27.3	-9.1
	May	-28.3	-21.5	-19.4	-18.1	-36.7	-48.9	-18.9
	Jun	-28.9	-23.4	-20.8	-23.2	-38.2	-55.0	-22.4
	Jul	-14.3	-17.6	-15.2	-16.1	-28.4	-44.6	-14.3
	Aug	-4.9	-12.3	-11.4	-8.2	-21.4	-30.9	-6.9
	Sep	-1.0	-9.7	-8.0	-2.7	-18.1	-21.2	-3.2
	Oct	0.9	-7.0	-7.7	1.2	-15.7	-15.4	-1.8
	Nov	2.9	-5.3	-7.2	2.6	-11.7	-9.8	-2.1
	Dec	3.4	-5.5	-9.2	-1.2	-7.3	-8.3	-1.0
2021	Jan	3.2	-6.1	-8.4	-2.2	-4.4	-11.1	-1.2
	Feb	2.5	-6.8	-7.2	-2.5	-3.0	-14.8	-1.6
	Mar	7.8	-4.1	-2.0	3.0	4.1	-10.6	0.7
	Apr	32.8	7.4	7.1	17.4	26.3	17.9	13.5
	May	54.0	19.5	11.1	29.0	50.1	56.9	27.2
	Jun	55.3	23.9	14.4	34.9	55.8	69.2	35.5
	Jul	27.7	14.5	8.1	22.0	35.0	27.7	25.9
	Aug	15.0	7.0	5.3	10.0	23.5	6.2	17.4
	Sep	10.7	3.3	2.1	3.6	19.9	-5.8	12.3
	Oct	8.8	0.5	-0.6	-0.8	14.4	-12.7	9.8
	Nov	7.7	-0.8	-1.8	-2.9	9.1	-17.7	8.9
	Dec	6.7	-1.3	1.7	-0.2	1.5	-16.8	7.1
2022	Jan	8.5	2.0	6.6	2.4	3.4	-13.2	6.9
	Feb	9.3	6.7	8.2	3.4	3.0	-11.6	7.7
	Mar	9.1	11.1	6.1	1.6	1.5	-11.2	10.0
	Apr	5.4 <sup>†</sup>	12.5	3.6	-0.5 <sup>†</sup>	-4.4 <sup>†</sup>	-11.6 <sup>†</sup>	9.4
	May	4.9	10.8	4.2 <sup>†</sup>	1.1	-7.4	-3.9	9.1 <sup>†</sup>
	Jun	4.1	8.8	4.6	0.3	-7.9	2.0	6.6

<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

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

continued

Seasonally adjusted 2019 = 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	110.8	25.5	48.0	18.5	44.3	49.0	
	K22B	K22P	K22T	K22X	K22Z	K239	
<b>Percentage change, latest 3 months on previous 3 months</b>							
2020	Apr	-3.7	-23.2	-13.6	-11.3	1.1	19.5
	May	-7.8	-37.0	-22.0	-22.3	-1.2	19.5
	Jun	-10.2	-33.8	-24.4	-28.7	-5.4	10.3
	Jul	-3.0	6.5	-5.0	-22.0	-2.0	3.5
	Aug	3.8	48.2	14.9	-11.1	0.9	-0.3
	Sep	8.3	51.7	25.8	6.6	5.9	-2.6
	Oct	4.4	17.3	14.5	12.7	6.1	-6.2
	Nov	1.6	2.1	7.7	17.3	5.8	-9.7
	Dec	-0.5	2.0	4.7	8.9	6.8	-8.8
2021	Jan	-1.5	2.6	4.1	-1.6	6.4	-3.6
	Feb	-2.3	1.6	2.3	-10.4	3.9	3.0
	Mar	-1.7	-0.9	1.6	-13.4	-1.2	8.3
	Apr	1.6	1.4	3.0	-7.5	-1.9	2.7
	May	4.6	6.8	4.3	3.7	-1.4	3.7
	Jun	6.0	9.9	4.4	17.5	0.4	-1.9
	Jul	3.7	8.4	2.2	21.9	-1.6	6.3
	Aug	1.4	4.2	-0.4	16.0	-2.4	-1.3
	Sep	-0.1	-0.7	-1.0	5.5	-3.5	1.4
	Oct	-0.3	-1.4	-1.1	-1.1	-2.1	-1.6
	Nov	-	-1.1	0.1	-4.0	-0.7	4.1
	Dec	-0.1	1.7	-1.0	-2.6	1.4	9.4
2022	Jan	0.6	2.1	-0.5	-0.6	2.1	3.0
	Feb	1.0	1.7	0.1	2.9	-0.2	-0.5
	Mar	2.6	1.0	2.8	7.1	-3.2	-13.4
	Apr	2.2 <sup>†</sup>	-0.8 <sup>†</sup>	2.9	8.8 <sup>†</sup>	-6.5 <sup>†</sup>	-9.2
	May	2.2	-0.5	2.5 <sup>†</sup>	9.0	-5.2	-8.4 <sup>†</sup>
	Jun	0.7	-0.5	-0.2	4.2	-5.0	1.0

<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 2019 = 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	52.8	81.3	50.5	18.0	54.6	108.3	67.4	
	K23B	K23G	K23N	K23P	K23R	K23T	K23Z	
<b>Percentage change, latest 3 months on previous 3 months</b>								
2020	Apr	-18.7	-14.9	-13.2	-11.5	-21.0	-28.8	-10.7
	May	-29.6	-21.4	-15.3	-19.5	-30.4	-50.2	-20.9
	Jun	-28.1	-20.6	-14.3	-22.4	-28.5	-52.3	-23.5
	Jul	3.5	-3.8	0.2	-4.1	-3.7	-19.6	-6.5
	Aug	32.1	12.0	7.7	14.4	20.9	42.0	12.5
	Sep	40.0	19.2	13.8	26.9	28.6	80.6	23.0
	Oct	18.7	13.0	8.2	18.5	15.0	51.0	15.1
	Nov	8.6	8.7	6.6	9.8	10.2	27.3	7.2
	Dec	5.0	5.4	0.6	0.4	11.3	14.0	3.9
2021	Jan	3.3	1.5	-2.6	-2.7	9.3	2.9	2.8
	Feb	1.4	-2.6	-4.5	-3.5	4.7	-5.3	3.2
	Mar	2.1	-3.8	-	4.3	1.8	-9.1	2.9
	Apr	4.7	-2.7	1.4	6.3	4.3	-5.6	2.6
	May	5.8	0.8	1.5	6.5	7.7	-8.3	2.3
	Jun	3.5	2.5	-	1.6	7.0	-9.7	3.0
	Jul	-0.5	2.6	1.1	-0.4	3.0	-13.0	3.8
	Aug	-1.3	0.2	2.0	-2.5	-0.6	-3.9	3.8
	Sep	-0.2	-0.6	1.5	-2.6	-1.1	0.6	1.9
	Oct	1.2	-0.8	-0.5	-3.7	-2.5	3.3	0.3
	Nov	1.7	0.8	-0.6	-3.0	-2.6	-1.4	-0.6
	Dec	1.2	0.7	0.2	-3.2	-5.8	0.7	-0.9
2022	Jan	2.9	3.0	4.4	0.5	-1.1	2.3	0.1
	Feb	3.0	4.8	5.2	2.7	-1.2	1.8	2.1
	Mar	4.4	8.3	4.3	6.2	1.8	-2.9	5.7
	Apr	1.7 <sup>†</sup>	7.4	-1.4 <sup>†</sup>	3.3 <sup>†</sup>	-3.7 <sup>†</sup>	-3.9 <sup>†</sup>	5.0
	May	1.5	4.7 <sup>†</sup>	-2.3	4.1	-3.2	-0.4	3.6 <sup>†</sup>
	Jun	-1.3	0.3	-1.4	0.2	-2.8	3.8	-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.



**Next publication:** 12/09/2022

**Issued by:** Office for National Statistics, Government Buildings, Cardiff Road, Newport NP10 8XG

**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:**

Name: David Beckett

Tel: David Beckett +44 (0) 1633 456980

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)