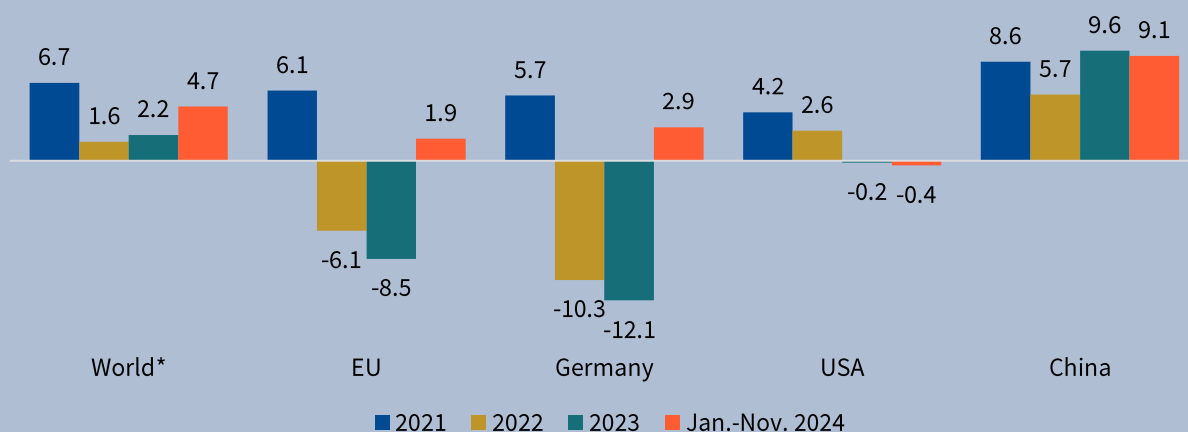


# World Chemistry Report

Facts and figures on the development of production in the global chemical industry

**Development of Chemical Production in mayor countries and regions**  
percentage change against previous year

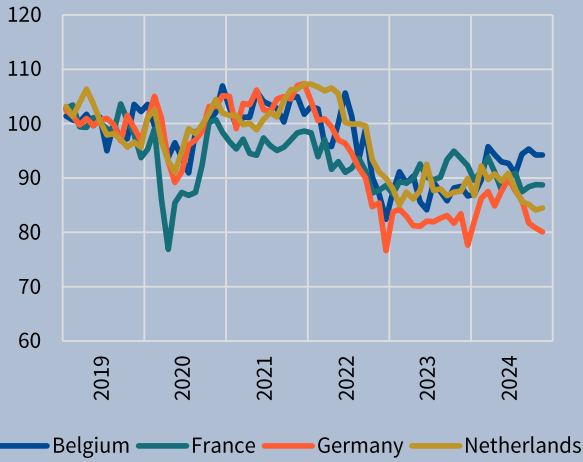


## Production of Chemicals

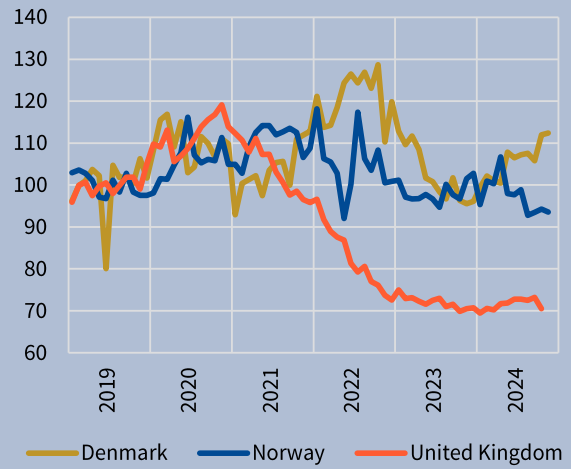
percentage change against previous year (excluding pharma)

countries and regions	2021	2022	2023	Jan.-Nov. 2024
<b>World</b>	+ 6.7	+ 1.6	+ 2.2	+ 4.7*
<b>European Union (EU27)</b>	+ 6.1	- 6.1	- 8.5	+ 1.9
Germany	+ 5.7	- 10.3	- 12.1	+ 2.9
France	+ 5.5	- 4.4	- 1.2	- 1.2
Italy	+ 7.8	- 4.1	- 6.7	- 0.2
Netherlands	+ 3.8	- 1.9	- 12.6	+ 0.3
Spain	+ 6.8	- 5.4	- 2.0	+ 3.8
Belgium	+ 4.2	- 6.2	- 8.9	+ 5.6
Poland	+ 17.3	+ 8.7	- 12.0	+ 7.7
Austria	+ 5.6	- 3.8	- 2.7	- 2.7
<b>Other Europe</b>				
Russia	+ 7.1	- 2.5	+ 5.3	+ 3.7
Switzerland	+ 14.8	+ 8.4	- 3.6	- 11.4*
United Kingdom	- 7.1	- 20.5	- 12.9	- 1.0
Turkey	+ 21.6	+ 2.2	- 7.1	+ 3.5
<b>North America</b>				
USA	+ 4.2	+ 2.6	- 0.2	- 0.4
Mexiko	+ 3.4	+ 1.5	- 2.4	+ 2.1
Canada	- 0.4	- 1.7	- 2.4	- 1.4*
<b>South America</b>				
Brazil	+ 3.7	+ 1.1	- 6.0	+ 2.6
Argentina	+ 7.8	+ 3.1	- 3.2	- 5.7
Chile	- 3.9	- 7.7	- 1.7	+ 4.5
Colombia	+ 26.3	- 3.2	- 17.7	- 3.6*
<b>Asia</b>				
China	+ 8.6	+ 5.7	+ 9.6	+ 9.1
Japan	+ 4.7	- 0.7	- 4.1	- 0.5*
South Korea	+ 8.5	- 10.1	- 9.3	+ 1.9
India	+ 8.5	+ 4.4	- 0.5	+ 1.5
Taiwan	+ 5.8	- 4.8	- 5.7	+ 3.0*
Singapore	+ 9.5	- 8.0	- 8.5	+ 6.0*
Thailand	+ 2.2	- 6.5	- 1.4	+ 3.0
Israel	- 1.2	+ 8.8	- 10.4	+ 8.4*
<b>Africa</b>				
South Africa	- 3.7	- 0.9	- 4.3	+ 1.7

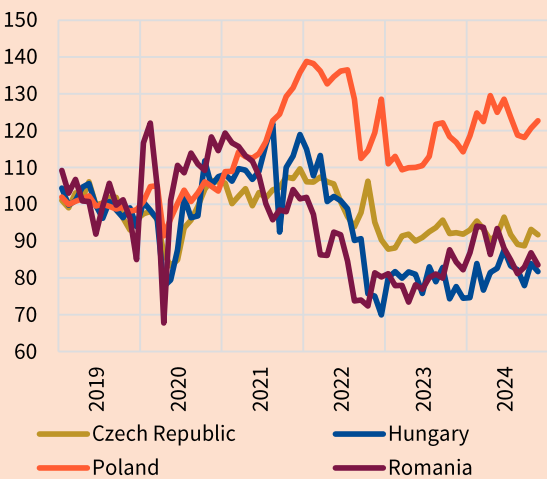
**Western Europe Chemical Production**  
seasonally adjusted, index 2019=100



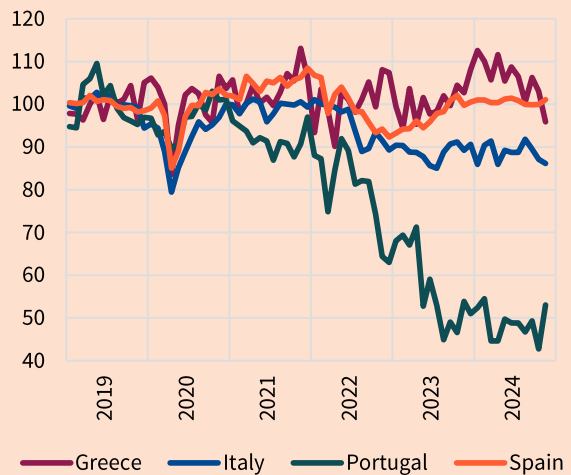
**Northern Europe Chemical Production**  
seasonally adjusted, index 2019=100



**Eastern Europe Chemical Production**  
seasonally adjusted, index 2019=100

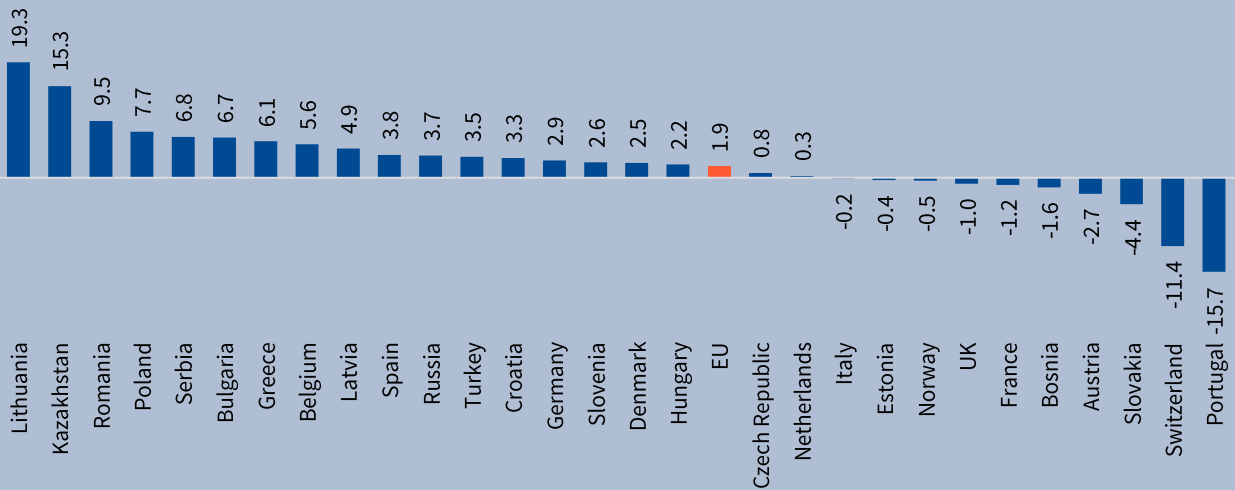


**Southern Europe Chemical Production**  
seasonally adjusted, index 2019=100



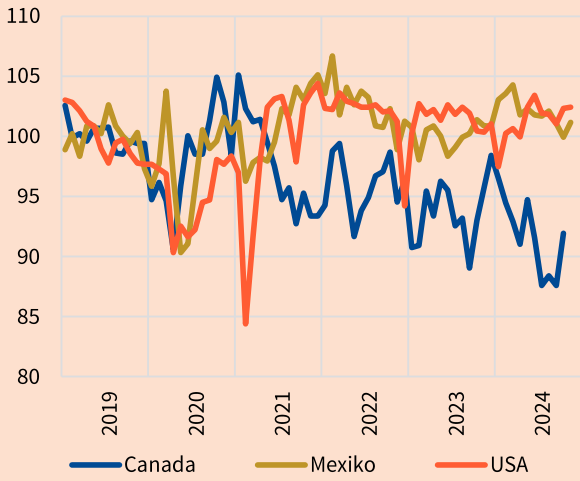
**Europe Chemical Production**

Year to date growth rates (Jan. - October/November 2024) in %

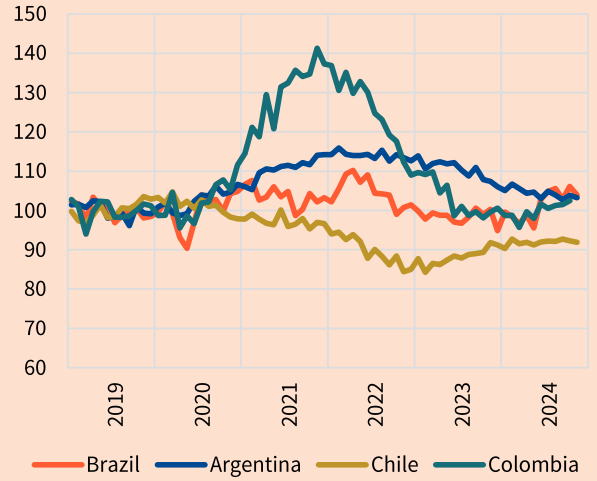


Sources: Chemdata International (based on Unido, Eurostat, ACC), VCI

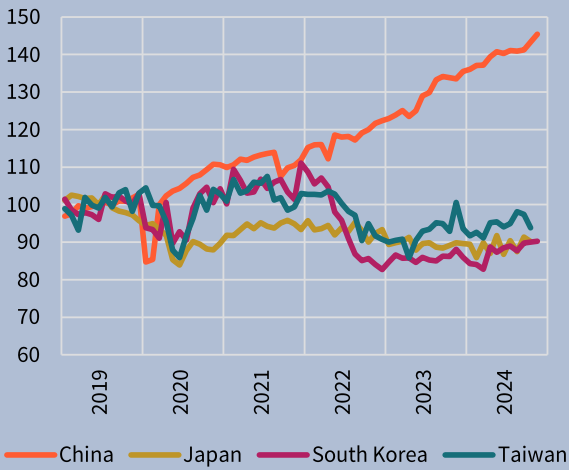
**North America Chemical Production**  
seasonally adjusted, index 2019=100



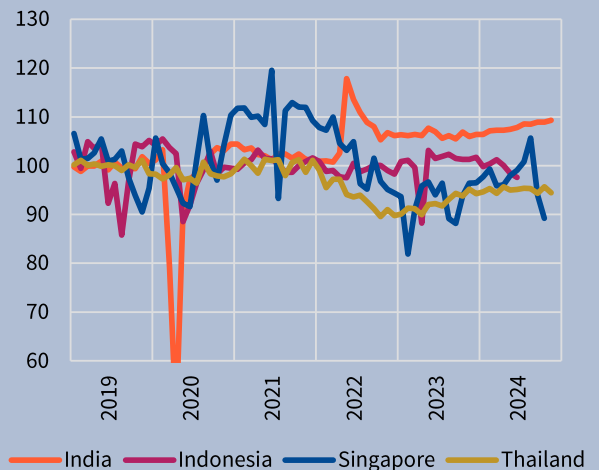
**South America Chemical Production**  
seasonally adjusted, Index 2019=100



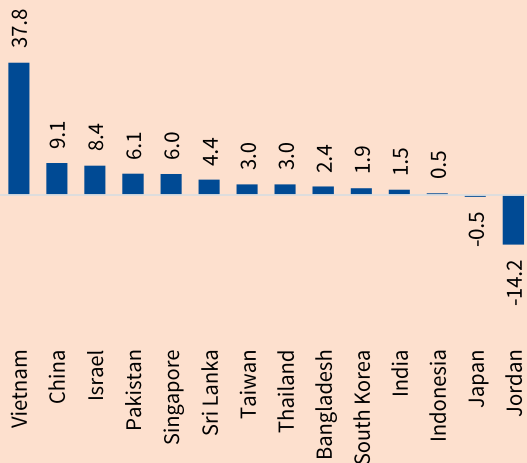
**East Asia Chemical Production**  
seasonally adjusted, index 2019=100



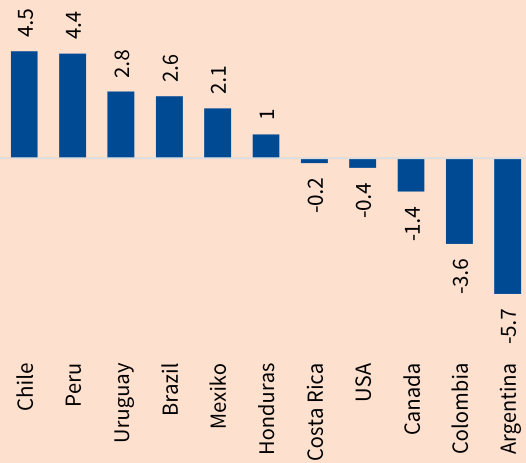
**South East Asia Chemical Production**  
seasonally adjusted, index 2019=100



**Asia Chemical Production**  
Year to date growth rates (Jan. - Oct./Nov. 2024) in %



**America Chemical Production**  
Year to date growth rates (Jan. - Oct./Nov. 2024) in %



Sources: Chemdata International (based on Unido, Eurostat, ACC), VCI

## Production of Pharmaceuticals

percentage change against previous year

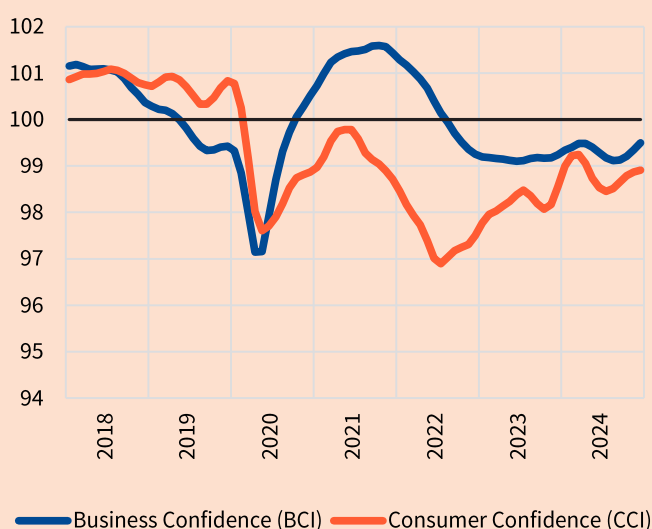
countries and regions	2021	2022	2023	Jan.-Nov. 2024
<b>World</b>	+ 13.2	+ 4.2	+ 1.6	+ 3.3*
<b>European Union (EU27)</b>	+ 12.3	+ 19.6	+ 7.5	+ 2.1
Germany	+ 5.6	+ 5.4	- 3.1	- 3.1
France	+ 1.3	+ 6.0	- 0.1	+ 10.4
Denmark	+ 22.3	+ 48.6	+ 58.2	+ 6.1
Belgium	+ 108.5	+ 2.4	- 23.9	+ 5.0
Italy	+ 0.6	+ 11.2	+ 7.2	- 1.5
Spain	+ 5.4	+ 10.6	+ 2.4	+ 10.1
Netherlands	+ 7.7	+ 12.8	- 6.2	+ 5.9
Austria	+ 1.4	+ 0.1	+ 20.0	+ 17.3
Poland	+ 4.2	+ 15.6	+ 8.1	- 4.2
<b>Other Europe</b>				
Switzerland	+ 5.2	+ 12.5	+ 6.1	+ 11.0*
United Kingdom	+ 4.6	- 2.8	+ 13.8	+ 0.6
Russia	+ 18.3	+ 6.9	+ 0.4	+ 13.3
Turkey	+ 2.1	+ 9.9	+ 3.1	- 5.8
<b>North America</b>				
USA	+ 4.2	+ 2.6	- 0.2	- 0.4
Mexiko	+ 3.4	+ 1.5	- 2.4	+ 2.1
Canada	+ 3.5	+ 8.8	- 2.7	+ 10.6*
<b>South America</b>				
Brazil	- 3.0	- 1.0	- 1.8	- 2.9
Argentina	+ 7.8	+ 3.1	- 3.2	- 5.7
Colombia	+ 6.9	+ 13.3	- 0.9	- 1.2*
Chile	+ 10.1	- 1.1	- 5.0	+ 0.4
<b>Asia</b>				
China	+ 25.3	- 2.5	- 5.4	+ 3.1
India	+ 4.9	- 5.8	+ 10.6	+ 0.2
Japan	+ 4.7	- 0.7	- 4.1	- 0.5*
South Korea	+ 2.8	+ 13.6	+ 9.5	+ 17.9
Singapore	+ 11.2	- 10.3	- 19.6	- 20.0*
Pakistan	+ 1.7	+ 6.0	- 10.8	+ 3.2
Taiwan	+ 9.8	+ 6.7	+ 5.2	- 6.9*
Vietnam	- 26.4	+ 20.8	+ 3.0	+ 6.1*
Thailand	- 5.3	+ 16.9	- 7.6	- 7.7
Israel	- 16.8	- 16.1	+ 14.7	+ 5.2*

Sources: Chemdata International (based on Unido, Eurostat, ACC), VCI

note: within regions sorted by sales volume

\* January - October 2024

### Business confidence and consumer confidence in the OECD Amplitude adjusted, Long-term average = 100



### Companies remain pessimistic, with a positive trend recently

The business confidence indicator (BCI) provides information on future developments, based upon opinion surveys on developments in production, orders and stocks of finished goods in the industry sector. Numbers above 100 suggest an increased confidence in near future business performance, and numbers below 100 indicate pessimism towards future performance. It can be used to monitor output growth and to anticipate turning points in economic activity.

### Consumer confidence remains negative, with a slightly positive trend

The consumer confidence indicator (CCI) provides an indication of future developments of households' consumption and saving, based upon answers regarding their expected financial situation, their sentiment about the general economic situation, unemployment and capability of savings. An indicator above 100 signals a boost in the consumers' confidence towards the future economic situation. Values below 100 indicate a pessimistic attitude towards future developments.

Sources: OECD, VCI

KEEP WELL-INFORMED:

# The VCI's business information on the chemical industry

**Latest business information:**

We regularly analyze the business situation of the chemical industry in Germany, in Europe and worldwide. This includes the overall economy and developments in other industries.

A selection of our business reports:

- Chemical industry barometer for Germany and the World
- Business Worldwide
- Quarterly Report

For details, please visit:

[http://bit.ly/wirtschaftliche\\_Lage](http://bit.ly/wirtschaftliche_Lage)

**Long-term developments:** The VCI regularly publishes reports on and analyses of structural changes in the global chemical industry and for a wide range of key figures and indicators.

- Chemical Industry Portrait
- Country reports and country-specific info
- Chemical markets globally
- Investment Report

For details, please visit:

[http://bit.ly/Berichte\\_Analysen](http://bit.ly/Berichte_Analysen)

**Special topics:** We provide comprehensive sets of charts on the topics of „Research, development and education“, „Energy, climate protection and raw materials“ and „Germany as a land of industry“.

For details, please visit:

[http://bit.ly/Berichte\\_Analysen](http://bit.ly/Berichte_Analysen)

**Verband der Chemischen Industrie e. V. (VCI)**

Mainzer Landstraße 55  
60329 Frankfurt am Main

**Contact for member companies:**

Dr. Henrik Meincke  
phone +49 (69) 25 56-15 45  
Email: [meincke@vci.de](mailto:meincke@vci.de)  
Maximilian Nichterlein  
phone +49 (69) 25 56-15 85  
Email: [kellermann@vci.de](mailto:kellermann@vci.de)

**Contact for the press:**

VCI-Pressestelle  
phone +49 (69) 25 56-14 96  
telefax +49 (69) 25 56-16 13

**e-mail:** [presse@vci.de](mailto:presse@vci.de)

**internet:** [www.vci.de](http://www.vci.de)