

SDG Goal 2

Zero hunger

SDG Target 2.4

By 2030, ensure sustainable food production systems and implement resilient agricultural practices that increase productivity and production, that help maintain ecosystems, that strengthen capacity for adaptation to climate change, extreme weather, drought, flooding and other disasters and that progressively improve land and soil quality

SDG Indicator 2.4.1

Proportion of agricultural area under productive and sustainable agriculture

Time series

Organically farmed agricultural land

1. General information on the time series

- Date of national metadata: June 7, 2023
- National data: <http://sdg-indicators.de/2-4-1/>
- Definition: The indicator shows the organically farmed area of agricultural holdings subject to the control procedure of EU legislation on organic farming (Regulation [EC] No. 848/2018 and implementing provisions) as a proportion of the total farmed area in Germany (in %). This includes both areas that have been fully converted to organic farming and those that are still in the process of conversion.
- Disaggregation: länder, data source

2. Comparability with the UN metadata

- Date of UN metadata: July 2024
- UN metadata: <https://unstats.un.org/sdgs/metadata/files/Metadata-02-04-01.pdf>
- The time series is not compliant with the UN metadata, but provides additional information.

3. Data description

- Data from the Federal Statistical Office:
The time series shows the proportion of agricultural land in Germany that is farmed organically. It is based on farms that are subject to the control system of EU legislation on organic farming (Regulation (EC) No 834/2007) and the associated implementing provisions. Both areas that have been completely converted to organic farming and those that are still in the process of conversion are included.

The reference value for the calculation is the agricultural area determined annually as part of the main land use survey, which includes all areas and sub-areas used for agriculture or horticulture. Building and farmyard areas of agricultural holdings are not taken into account. The data is taken from the agricultural structure survey conducted by the Federal Statistical Office.

Data from the Federal Ministry of Agriculture, Food and Regional Identity (BMLEH):
The time series is based on structural data on organic farming from the Federal

Ministry of Food, Agriculture and Rural Affairs (BMLEH). The balance sheet date is 31 December of each year, on which all reports for the current year are cumulated.

The data covers the organically farmed area reported by the organic supervisory authorities of the federal states. Due to methodological differences, such as the reference to areas without a cut-off threshold for all areas with a cut-off threshold, the BMLEH values are slightly higher than those of the Federal Statistical Office.

4. Access to data source

- Representative Agricultural holdings and holdings with organic farming:
<https://www.destatis.de/EN/Themes/Economic-Sectors-Enterprises/Agriculture-Forestry-Fisheries/Agricultural-Holdings/Tables/4-1-agricultural-holdings-total-holdings-organic-farming.html>
- Area under organic farming – Eurostat table [sdg_02_40]:
https://ec.europa.eu/eurostat/databrowser/view/sdg_02_40/default/table?lang=en
- Organic farming in Germany (only available in German):
<https://www.bmel.de/DE/themen/landwirtschaft/oekologischer-landbau/oekologischer-landbau-deutschland.html>
- Press release for organic farming (only available in German):
<https://www.bmleh.de/SharedDocs/Pressemitteilungen/DE/2025/072-oekolandbau-strukturdaten-2024.html>

5. Metadata on source data

- Quality report – Land use survey (only available in German):
<https://www.destatis.de/DE/Methoden/Qualitaet/Qualitaetsberichte/Land-Forstwirtschaft-Fischerei/bodennutzung.pdf?>
- Quality Report – Census of Agriculture 2020 (only available in German):
<https://www.destatis.de/DE/Methoden/Qualitaet/Qualitaetsberichte/Land-Forstwirtschaft-Fischerei/landwirtschaftszaehlung.pdf>

6. Timeliness and frequency

- Timeliness:
Data from the Federal Statistical Office: t + 15 months;
Data from the Federal Ministry of Agriculture, Food and Regional Identity: Not available.
- Frequency: Annual

7. Calculation method

- Unit of measurement: Percentage
- Calculation:

$$\text{Proportion of agricultural area under ecological management} = \frac{\text{Agricultural area under ecological management [ha]}}{\text{Total agricultural area [ha]}} \cdot 100 [\%]$$

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By 2030, ensure sustainable food production systems and implement resilient agricultural practices that increase productivity and production, that help maintain ecosystems, that strengthen capacity for adaptation to climate change, extreme weather, drought

SDG Indicator 2.4.1

Proportion of agricultural area under productive and sustainable agriculture

Time series

Progress toward productive and sustainable agriculture (proxy)

1. General information on the time series

- Date of national metadata: January 23, 2026
- National data: <http://sdg-indicators.de/2-4-1/>
- Definition: The indicator shows progress, both current status and trends, towards achieving more productive and sustainable agriculture.
- Disaggregation: score

2. Comparability with the UN metadata

- Date of UN metadata: April 2025
- UN metadata: <https://unstats.un.org/sdgs/metadata/files/Metadata-02-04-01.pdf>
- The time series is compliant with the UN metadata.

3. Data description

- This proxy indicator measures progress towards more productive and sustainable agriculture. It is composed of seven sub-indicators:
 - Gross production value per hectare
 - Gross output diversification
 - Nitrogen use efficiency
 - Agriculture component of water stress
 - GHG emissions intensity in agriculture
 - Agricultural value added per worker
 - Informal employment in agriculture

The data is derived from the Food and Agriculture Organization of the United Nations (FAO).

Assessment: Score for current status

- >1 to < 1.5: Very far from achieving productive and sustainable agriculture.
- >1.5 to < 2.5: Far from achieving productive and sustainable agriculture.
- >2.5 to < 3.5: At a moderate distance to achieving productive and sustainable agriculture.

- >3.5 to < 4.5: Close to achieving productive and sustainable agriculture.
- >4.5 to 5: Productive and sustainable agriculture already achieved.

Assessment: Score for trend

- >1 to < 1.5: Deterioration away from productive and sustainable agriculture.
- >1.5 to < 2.5: Slight deterioration from productive and sustainable agriculture.
- >2.5 to < 3.5: No improvement towards productive and sustainable agriculture.
- >3.5 to < 4.5: Slight improvement towards productive and sustainable agriculture.
- >4.5 to 5: Improvement towards productive and sustainable agriculture.

4. Access to data source

- Data to indicator 2.4.1 proxy:
https://www.bka.de/EN/CurrentInformation/Statistics/PoliceCrimeStatistics/2024/pcs2024_node.html

5. Metadata on source data

- Not applicable.

6. Timeliness and frequency

- Timeliness:
- Frequency: Annual

7. Calculation method

- Unit of measurement: No unit
- Calculation: Not applicable.