



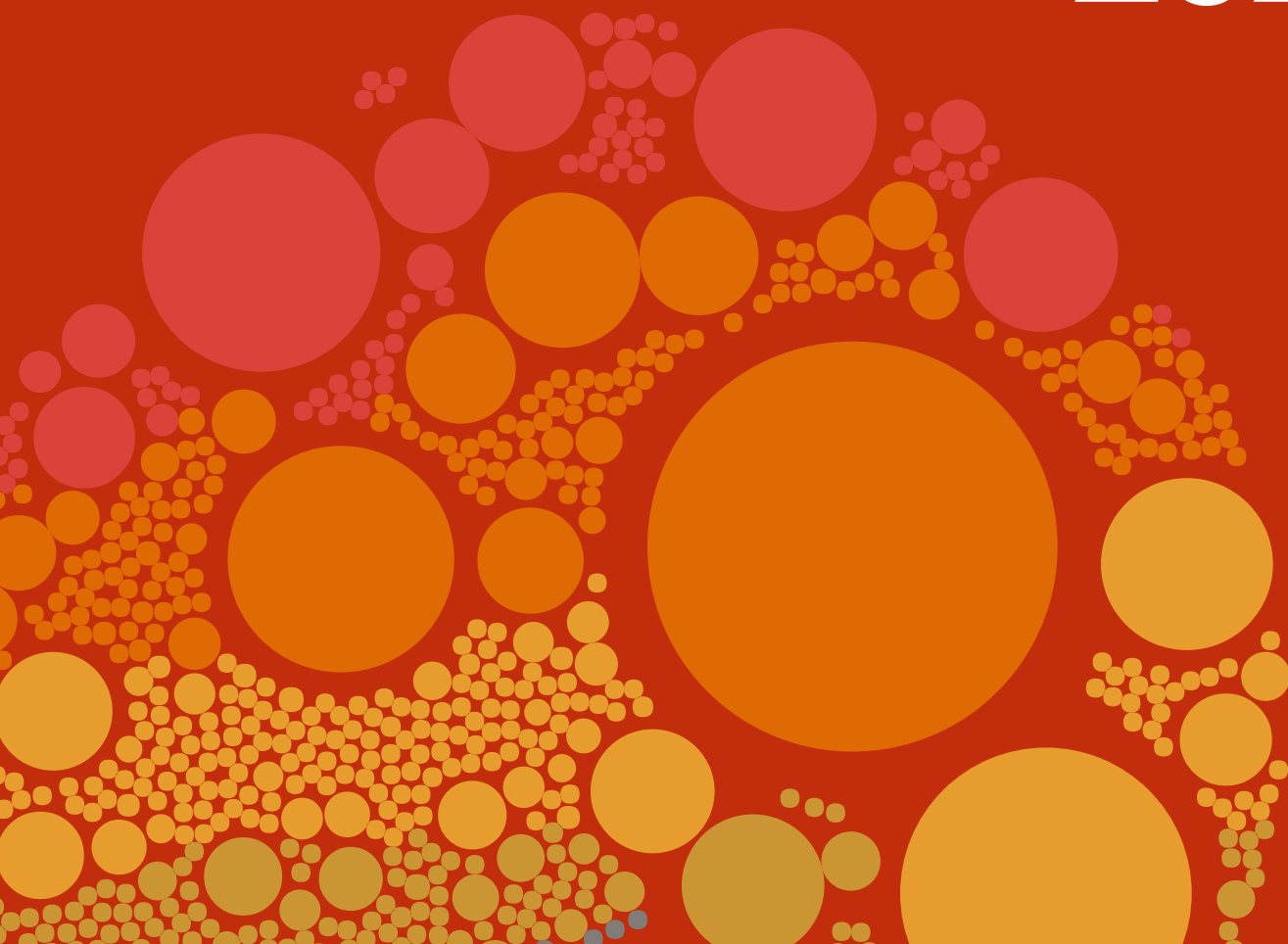
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WORLD FOOD AND AGRICULTURE
2024



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STATISTICS

AND **WORLD FOOD AGRICULTURE**

STATISTICAL YEARBOOK

2024

Food and Agriculture Organization of the United Nations
Rome, 2024

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FOREWORD

Timely, accurate and high-quality data and statistics are the cornerstone of solid policy design, where decisions are based on hard evidence, and monitoring and evaluation rely on strong statistical systems. This has become all the more critical as governments around the world commit to major sectoral and national development plans, as well as regional and global development agendas.

Statistical work has been at the core of the activities and mandate of the Food and Agriculture Organization of the United Nations (FAO) since the Organization was founded in 1945, supporting its Members in eliminating hunger, improving nutrition, eradicating rural poverty, and promoting inclusive and efficient agrifood systems. FAO is a leading provider of internationally comparable data on food, nutrition and agriculture, which are gathered from national statistical offices and from FAO's network of partner agencies and are harmonized to paint a global picture. All these data are summarized in this Statistical Yearbook.

The Statistical Yearbook is a primary tool and indispensable reference for policymakers, researchers and analysts, as well as for laypersons interested in the past, present and future paths of food and agriculture. Drawing on the wealth of information that FAO statisticians produce across the Organization, this publication offers a synthesis of the major factors at play in the global food and agriculture landscape. Statistics are presented in four thematic chapters that cover the economic importance of agricultural activities; inputs, outputs and factors of production; implications for food security and nutrition; and agriculture's impacts on the environment. The digital version of the yearbook presents the data in an interactive way, which facilitates the visualization of figures and tables and their reuse.

This year, special attention is given to newly released country-level estimates on employment in agrifood systems, a sign of the transition of FAO statistics to consistently inform about the state of agrifood systems in the world. FAO analysis of financing for food security and nutrition is also featured. Finally, this edition of the Statistical Yearbook showcases data from a new FAOSTAT dataset that brings together statistics on all forms of dietary-related data in a centralized location for the first time – an important achievement to understand what people eat and how this affects nutritional outcomes.

This Statistical Yearbook is only one of a series of tools and statistical publications that FAO provides to users. The freely accessible FAOSTAT data platform contains the largest statistical database on food and agriculture in the world, with approximately 20 000 indicators covering more than 245 countries and territories, and around 2 million views each year. The Statistical Yearbook is accompanied by the shorter Statistical Pocketbook, which provides a quick and easy reference to the main facts and trends in food and agriculture.

In addition to compiling and disseminating data, FAO is also involved in strengthening the statistical capacity of countries so they can produce more and better data, set standards and methodologies, and leverage big data innovations. FAO is committed to ensuring free access to current, reliable, timely and trusted data, necessary to chart a course towards more sustainable and equitable agrifood systems and a world free of hunger.

José Rosero Moncayo
Chief Statistician
Director, Statistics Division

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HOW TO USE THIS YEARBOOK

THE STRUCTURE

The Statistical Yearbook 2024 is divided into four thematic chapters:

- **Chapter 1** (*Economic dimensions of agriculture*) provides an overview of agriculture, forestry and fishing from an economic standpoint.
- **Chapter 2** (*Production, trade and prices of commodities*) presents the outputs of the sector in terms of the production and trade of the different commodities and the evolution of prices.
- **Chapter 3** (*Food security and nutrition*) looks at how some of these outputs are consumed by narrowing the focus on food security and nutrition.
- **Chapter 4** (*Sustainability and environmental aspects of agriculture*) deals with the impacts of the whole sector on the environment.

Each chapter draws on the latest available data to describe through text and charts the trends since the early 2000s. As data on each topic are produced according to different schedules and with different methods and sources, the latest year available can change between sections.

COUNTRY DEFINITIONS AND CLASSIFICATION

The country classification adopted in this publication is based on the United Nations M49 classification (<https://unstats.un.org/unsd/methodology/m49/>). The official Food and Agriculture Organization of the United Nations (FAO) names can be found at <https://www.fao.org/nocs/en>.

AGGREGATIONS

Regional and subregional aggregates are based on the country groupings defined in the United Nations M49 classification. A small subset of indicators used in Chapter 3 is based on the aggregation rules defined in *The State of Food Security and Nutrition in the World 2024 – Financing to end hunger, food insecurity and malnutrition in all its forms* report, which can be found at <https://doi.org/10.4060/cd1254en>.

Two types of aggregations are used: sum and weighted mean. A sufficiency condition is imposed when computing the aggregation: the aggregation is computed only when enough countries have reported data. The current threshold is set at 50 percent of the variable and the weighting variable, if present.

DATA PRESENTATION CONVENTIONS

The cut-off date for the data is 15 November 2024.

- When country data have not been reported for the reference year, an asterisk (*) on the year label indicates that the value for the most recent year available is shown. For example, 2020–2022* means that the most recent value for the period from 2020 to 2022 is shown.
- One billion is 1 000 million.
- One trillion is 1 000 billion.
- In tables:
 - a blank means that data are not available or that aggregates cannot be calculated because of missing data for the years shown;
 - 0 or 0.0 means zero or a number that is small enough to round down to zero at the displayed number of decimal places;
 - <2.5 means a proportion less than 2.5 percent; and
 - <0.1 means less than 100 000 people.
- On maps, [a–b] denotes the interval of numbers between *a* and *b*, including *a* and *b*, while]a–b] denotes the interval of numbers between *a* and *b*, excluding *a* and including *b*.

CHAPTER 1

KEY FACTS

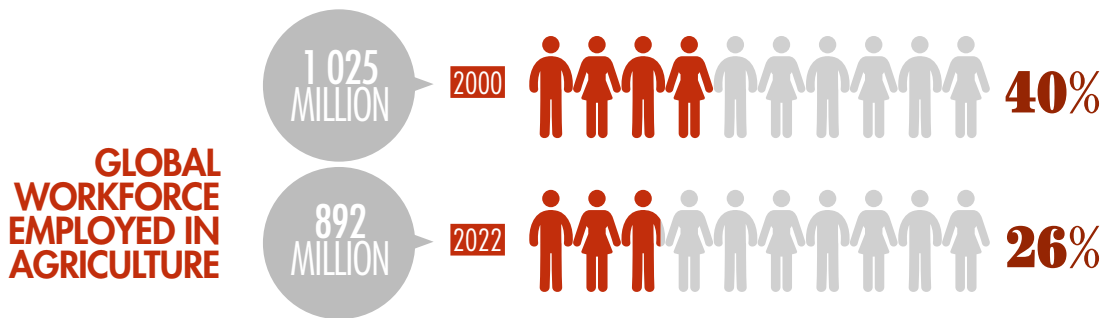


Agriculture value added went up 89% between 2000 and 2022, to USD 3.8 trillion.

SHARE OF AGRICULTURE IN GLOBAL GDP

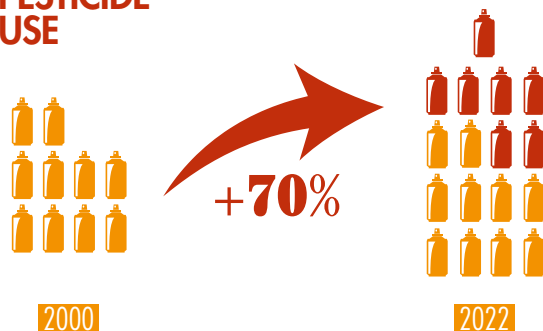


The share of agriculture in global GDP has been stable at around 4% since 2000.



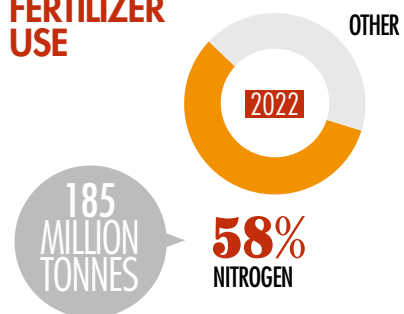
Agriculture employed 892 million people in 2022, or 26% of the global workforce, compared with 1 025 million (or 40% of the global workforce) in 2000.

PESTICIDE USE



Pesticide use went up 70% between 2000 and 2022, with the Americas accounting for half the use in 2022.

FERTILIZER USE



Agricultural use of inorganic fertilizers in 2022 was 185 million tonnes of nutrients, of which 108 million tonnes (58%) was nitrogen.

1 ECONOMIC DIMENSIONS OF AGRICULTURE

CONTRIBUTION OF AGRICULTURE, FORESTRY AND FISHING TO THE ECONOMY

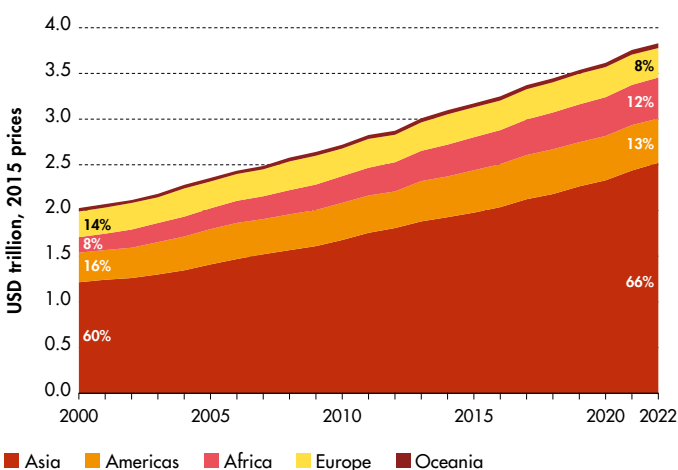
The global value added generated by agriculture, forestry and fishing^a grew by 89 percent in real terms between 2000 and 2022, reaching USD 3.8 trillion in 2022 (see **FIGURE 1**). This represents an increase of USD 1.8 trillion compared with 2000. In Africa, the value added went up 164 percent over the period, increasing from USD 170 billion to USD 449 billion. Given its size, Asia was the main contributor to global agriculture, forestry and fishing value added with 66 percent

of the world total in 2022: the continent's value added more than doubled from USD 1.2 trillion in 2000 to USD 2.5 trillion in 2022. In the Americas and Oceania, the increase reached 50 percent and 42 percent, respectively, in the 2000–2022 period, while Europe increased its agricultural value added by just 15 percent. In the context of the COVID-19 pandemic, the global value added of agriculture increased in 2020 by 2.2 percent and went up 3.9 percent in 2021 due to the rebound in activity. The increase in 2022 was 2.0 percent, the smallest since 2012, due to decreases in the United States

of America, Eastern Europe (because of the war in Ukraine), and Spain. The countries with the largest agriculture, forestry and fishing sector in terms of value added in 2022 are China, India and the United States of America (see **TABLE 1**).

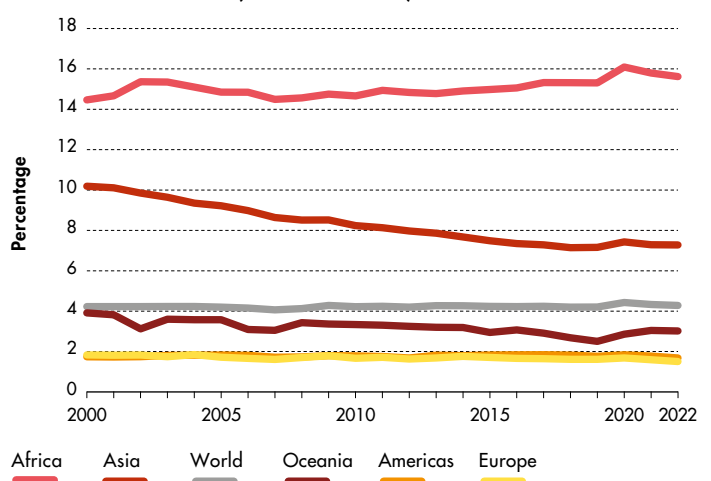
The global contribution of agriculture to gross domestic product (GDP) declined marginally between 2000 and 2019. This is an expected consequence of the growth of total GDP. Due to the COVID-19 pandemic and the various restrictions put in place to contain it in 2020, the

FIGURE 1. VALUE ADDED OF AGRICULTURE, FORESTRY AND FISHING BY REGION



Note: Percentages in the figure indicate the shares in the total; they may not tally due to rounding.
 Source: FAO. 2024. FAOSTAT: Macro Indicators. [Accessed on 15 November 2024].
<https://www.fao.org/faostat/en/#data/MK>. Licence: CC-BY4.0.
 Download: <https://doi.org/10.4060/cd2971en-fig01>

FIGURE 2. SHARE OF AGRICULTURE, FORESTRY AND FISHING VALUE ADDED IN TOTAL GDP BY REGION (USD 2015 PRICES)



Source: FAO. 2024. FAOSTAT: Macro Indicators. [Accessed on 15 November 2024].
<https://www.fao.org/faostat/en/#data/MK>. Licence: CC-BY4.0.
 Download: <https://doi.org/10.4060/cd2971en-fig02>

^a As defined in the International Standard Industrial Classification of All Economic Activities (ISIC) Revision 4, agriculture, forestry and fishing includes crop and animal production, hunting and related service activities, forestry and logging, and fishing and aquaculture.

value added of the industry and services sectors declined while that of agriculture kept increasing, resulting in an artificial jump of the share of agriculture in the total in 2020 (see **FIGURE 2**). After 2020, the share of value added from agriculture, forestry and fishing resumed its long-term declining trend, falling from 4.4 percent in 2020 to 4.3 percent in 2022. It had dropped between 2000 and 2019 in all regions except Africa and the Americas, then increased between 2019 and 2020. All regions except the Americas and Europe had a share of agriculture in GDP in 2022 that was higher than in 2019, and in the case of Africa, also higher than in 2000 (14.5 percent in 2000 compared with 15.6 percent in 2022). This increase, which rarely occurs, is due to a higher contribution of agriculture to GDP, largely related to the COVID-19 pandemic, in several countries: Algeria, Angola, Benin, Chad, the Congo, Eritrea,

Gabon, Guinea, Mali, Morocco, the Niger, Nigeria, Sierra Leone and South Africa. These countries accounted for 47 percent of the total value added from agriculture, forestry and fishing in Africa in 2022 (see **TABLE 2**). Despite its relatively small economic size, the sector plays a crucial role in the agro-industry value chain and in the use of natural resources. As such, agriculture affects the quality of the environment and food security beyond what its contribution to GDP indicates.

FACTORS OF PRODUCTION

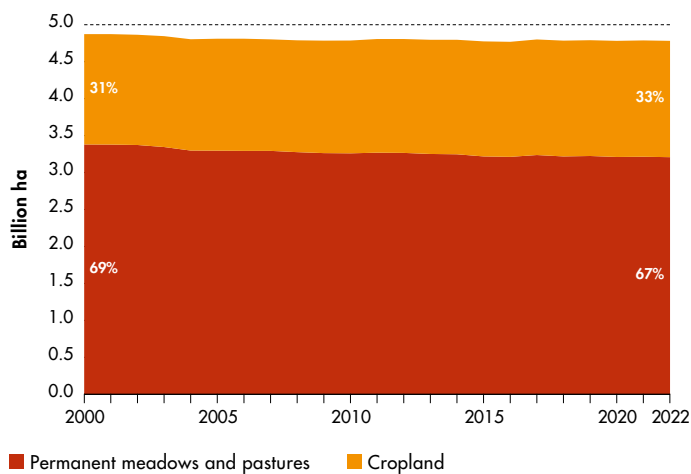
● Land and water

In 2022, the global agricultural land area was 4.78 billion hectares (ha), down 2 percent, or 0.09 billion ha compared with 2000 (see **FIGURE 3** and **TABLE 3**). Between 2000 and 2022, roughly two-thirds of agricultural land was used for permanent meadows and pastures (3.21 billion ha in 2022, down

5 percent, or 0.17 billion ha from 2000). One-third of the total agricultural land was cropland (1.57 billion ha in 2022, up 5 percent, or 0.08 billion ha from 2000).

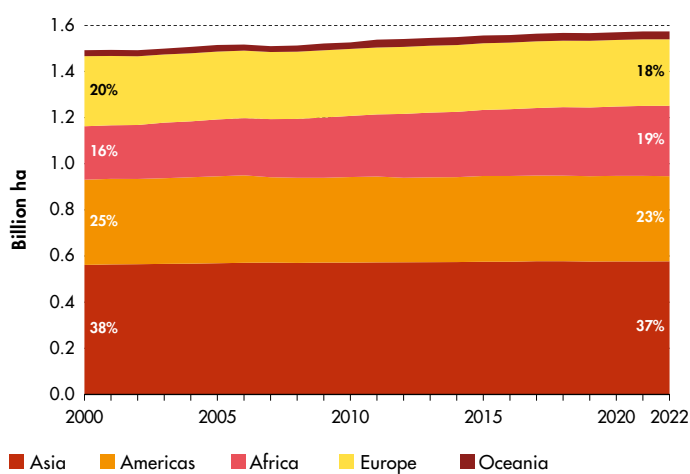
The regional breakdown of the global cropland area varied marginally between 2000 and 2022 (see **FIGURE 4**). Asia had the largest share of the global cropland area in 2022 (37 percent), followed by the Americas (23 percent), Africa (19 percent), Europe (18 percent) and Oceania (2 percent). Nonetheless, there were differences in cropland expansion in the different regions during this period – Oceania and Africa both had rapid growth in cropland area (32 percent), while Asia had more moderate growth (3 percent). The cropland area of the Americas remained stable and that of Europe declined between 2000 and 2022 by 5 percent. As a result, the cropland area of Africa overtook that of Europe in 2016.

FIGURE 3.
WORLD AGRICULTURAL LAND BY USE



Note: Percentages in the figure indicate the shares in the total; they may not tally due to rounding.
Source: FAO. 2024. FAOSTAT: Land Use. [Accessed on 15 November 2024].
<https://www.fao.org/faostat/en/#data/RL>. Licence: CC-BY4.0.
Download: <https://doi.org/10.4060/cd2971en-fig03>

FIGURE 4.
CROPLAND AREA BY REGION



Note: Percentages in the figure indicate the shares in the total; they may not tally due to rounding.
Source: FAO. 2024. FAOSTAT: Land Use. [Accessed on 15 November 2024].
<https://www.fao.org/faostat/en/#data/RL>. Licence: CC-BY4.0.
Download: <https://doi.org/10.4060/cd2971en-fig04>

Approximately 30 percent of global cropland and permanent meadows and pastures can be found in three countries (see **FIGURE 5**), which are not necessarily the ones with the largest total land area.^b In 2022, 12 percent of global permanent meadows and pastures belonged to China, 10 percent to Australia, and 8 percent to the United States of America. For the same year, the largest contributors to global cropland were India (11 percent), the United States of America (10 percent) and China (8 percent).

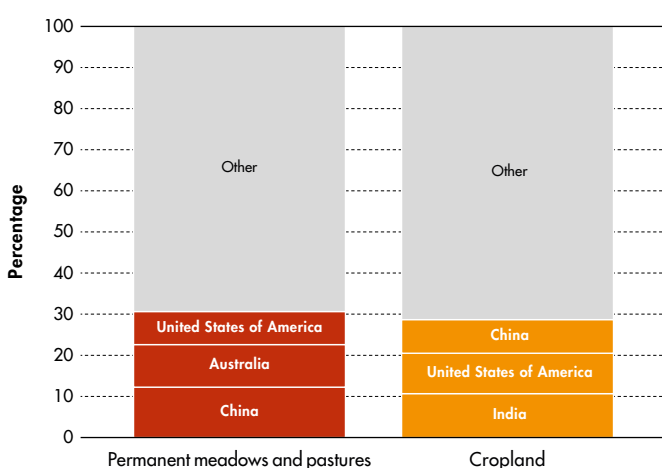
Cropland area per capita decreased in all regions between 2000 and 2022 as population increased faster than the cropland area (see **FIGURE 6**). The world average declined by 19 percent, reaching 0.20 ha per capita in 2022; the decrease was the largest in Africa (-24 percent,

to 0.21 ha per capita), followed by the Americas (-20 percent, to 0.36 ha per capita) and Asia (-19 percent, to 0.13 ha per capita). The decline was smaller in Oceania (-8 percent, to 0.76 ha per capita) and Europe (-7 percent, to 0.39 ha per capita). Against this backdrop, the increase in agricultural production over the same period (described in Chapter 2) indicates higher efficiency in feeding the population with limited land resources. The countries with the highest cropland area per capita are Kazakhstan, Australia and Canada (see **TABLE 4**), due to the presence of vast areas of land available over sparsely populated areas. Other reasons for high values of cropland area per capita include the intense use of agricultural inputs and dependencies on agricultural imports or food aid.

The development of irrigation is one aspect of agriculture intensification that has allowed total production to grow much faster than the cultivated area.

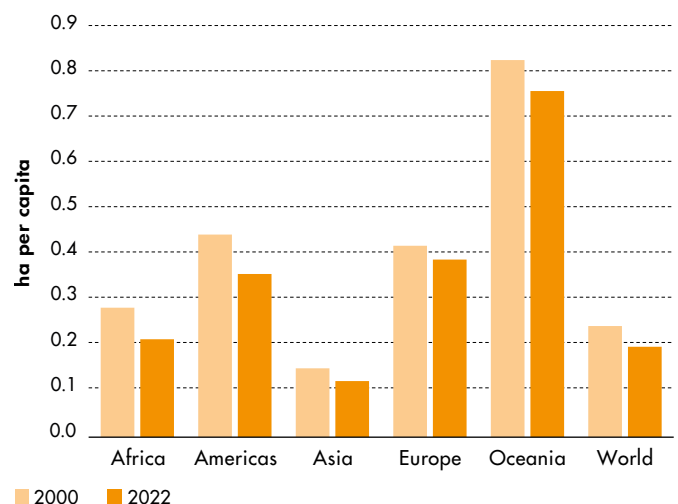
The global land area equipped for irrigation reached 354 million ha in 2022 (see **FIGURE 7**), an increase of 22 percent from the 289 million ha of 2000 and more than twice the land area equipped for irrigation in the 1960s.¹ The vast majority is located in Asia (70 percent), where irrigation was a key component of the green revolution;² the Americas account for 16 percent and Europe for 8 percent of the world total. As shown in **TABLE 5**, India (76 million ha) and China (75 million ha) have the largest equipped area for irrigation, far ahead of the United States of America (27 million ha). China and India also have the largest net gains in equipped area between 2000 and

FIGURE 5.
WORLD AGRICULTURAL LAND BY USE AND MAIN COUNTRIES (2022)



Source: FAO. 2024. FAOSTAT: Land Use. [Accessed on 15 November 2024].
<https://www.fao.org/faostat/en/#data/RL>. Licence: CC-BY-4.0.
 Download: <https://doi.org/10.4060/cd2971en-fig05>

FIGURE 6.
CROPLAND AREA PER CAPITA BY REGION



Source: FAO. 2024. FAOSTAT: Land Use. [Accessed on 15 November 2024].
<https://www.fao.org/faostat/en/#data/RL>. Licence: CC-BY-4.0.
 Download: <https://doi.org/10.4060/cd2971en-fig06>

^b The top five countries in terms of total land area are, in descending order, the Russian Federation, Canada, the United States of America, China and Brazil.

2022 (+21 million ha for China and +15 million ha for India). All the regions saw increases in the area equipped for irrigation, with Africa growing the fastest (+29 percent), followed by Asia (+25 percent), Oceania (+24 percent), the Americas (+21 percent) and Europe (+2 percent).

The share of the area equipped for irrigation in cropland area increased to 22.5 percent in 2022, up 3.1 percentage points compared with 2000 (see **FIGURE 8**). It increased in all regions except Oceania and Africa, with the largest gains located in Asia, as described above. The higher levels in Asia compared to the rest of the world are partly attributable to the prevalence of irrigation-intensive rice cultivation in the region. As seen in **TABLE 6**, Turkmenistan, Egypt and Uzbekistan stand out as countries with both a sizeable cropland area and very high shares of equipped area for irrigation

(100 percent, 98.9 percent and 97.7 percent in 2022, respectively); most of their land area is desert with an arid climate. Countries with low shares of equipped area for irrigation are more dependent on rainfed agriculture, which tends to be overall more extensive than irrigated agriculture and is affected by changing rain patterns. On the other hand, irrigated agriculture competes with other uses of the water resources available in countries.

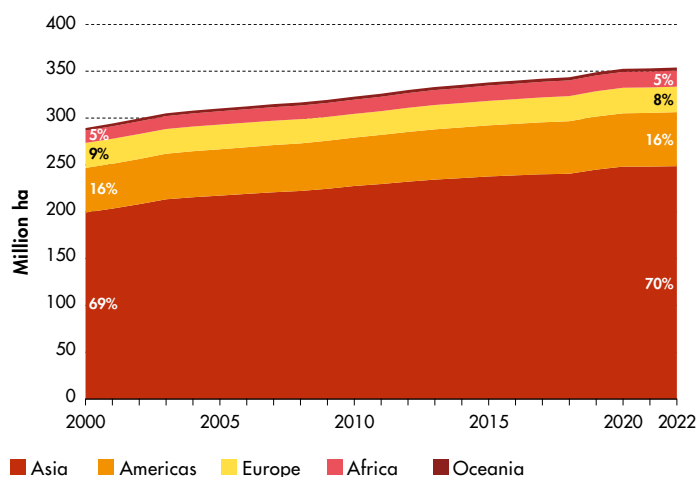
The share of agricultural water withdrawals in total withdrawals is an indication of the relative weight of agricultural water uses compared to the industrial and municipal ones. As seen in **FIGURE 9**, the countries with the highest shares are located mostly in Africa and Asia, with the share of Somalia above 99 percent. One trait shared by most of these countries is the income level: out of the top 20 countries, the World Bank classifies seven as low-income,

nine as lower-middle-income, three as upper-middle-income and one as high-income.³ In 2021, the share of agricultural water withdrawals in total withdrawals was greater than 90 percent in 28 countries (see **TABLE 7**).

● Labour

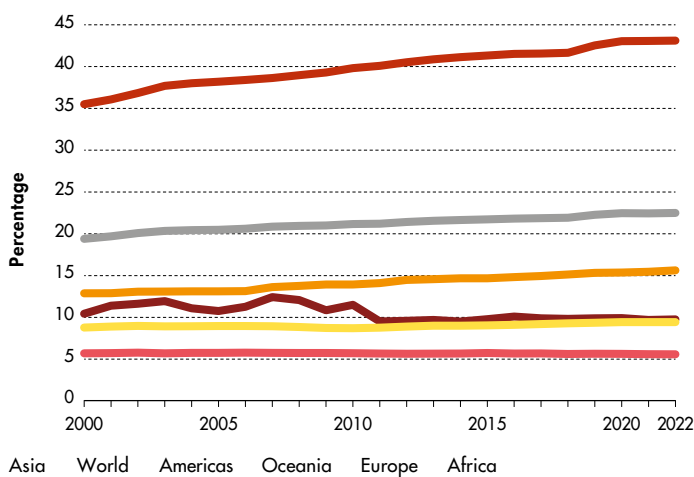
The number of people working in agriculture worldwide, including forestry and fishing, went down 13 percent between 2000 and 2022, reaching 892 million in 2022, or 133 million less than in 2000 (see **FIGURE 10**). Employment in agriculture declined between 2000 and 2019 (to 863 million). The COVID-19 pandemic reversed this long-term decline, as people went back to rural areas and entered into agricultural work, especially in Africa and Asia, resulting in an increase of 5 million workers between 2019 and 2020. The increase continued in 2021 and 2022, with 12 million people joining the agricultural workforce each year. While employment in agriculture

FIGURE 7.
AREA EQUIPPED FOR IRRIGATION BY REGION



Note: Percentages in the figure indicate the shares in the total; they may not tally due to rounding.
Source: FAO. 2024. FAOSTAT: Land Use. [Accessed on 15 November 2024].
<https://www.fao.org/faostat/en/#data/RL>. Licence: CC-BY-4.0.
Download: <https://doi.org/10.4060/cd2971en-fig07>

FIGURE 8.
SHARE OF AREA EQUIPPED FOR IRRIGATION IN CROPLAND AREA BY REGION



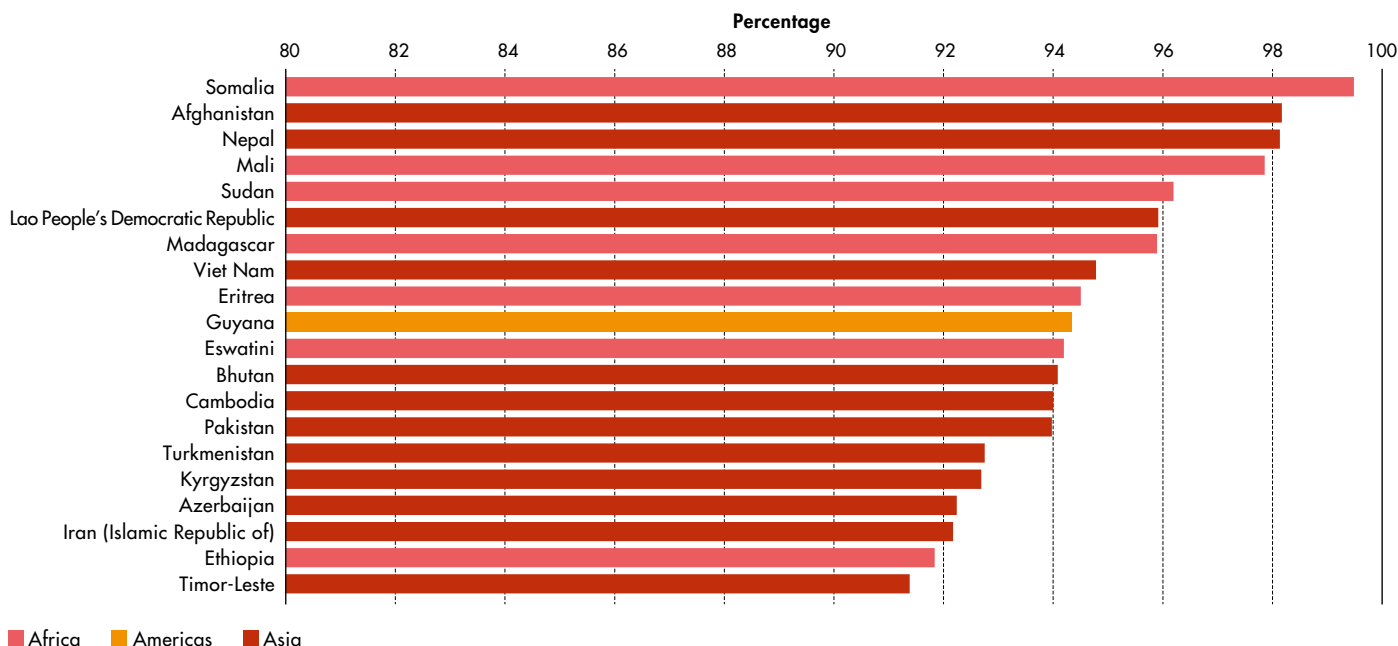
Source: FAO. 2024. FAOSTAT: Land Use. [Accessed on 15 November 2024].
<https://www.fao.org/faostat/en/#data/RL>. Licence: CC-BY-4.0.
Download: <https://doi.org/10.4060/cd2971en-fig08>

increased in Africa and Asia between 2019 and 2022, it decreased in the Americas and Europe and remained stable in Oceania.

Between 2000 and 2022, agricultural employment has declined from 786 million people to 592 million in Asia: this means that more than

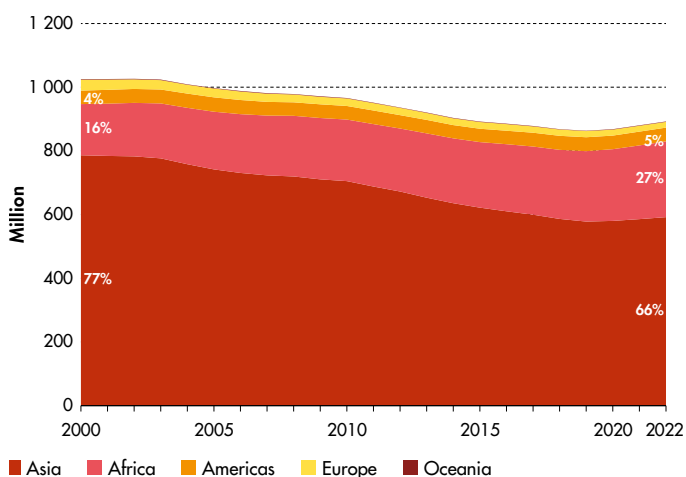
one out of every four agricultural workers has left the sector for another job outside agriculture in the region. During the same period,

FIGURE 9.
SHARE OF WATER WITHDRAWAL BY AGRICULTURE IN TOTAL WITHDRAWAL, TOP COUNTRIES (2021)



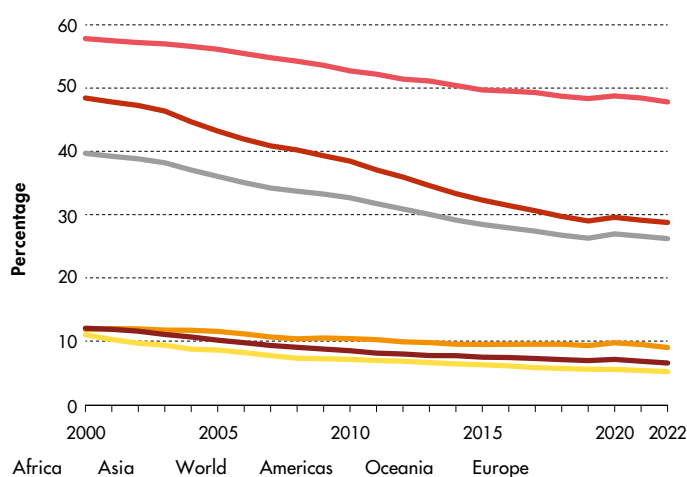
Source: FAO. 2024. AQUASTAT: AQUASTAT Dissemination System. [Accessed on 15 November 2024]. <https://data.apps.fao.org/aquastat/?lang=en>. Licence: CC-BY-4.0.
Download: <https://doi.org/10.4060/cd2971en-fig09>

FIGURE 10.
EMPLOYMENT IN AGRICULTURE, FORESTRY AND FISHING BY REGION



Note: Percentages in the figure indicate the shares in the total; they may not tally due to rounding.
Source: FAO. 2024. FAOSTAT: Employment Indicators: Agriculture and agrifood systems. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/OEA>. Licence: CC-BY-4.0.
Download: <https://doi.org/10.4060/cd2971en-fig10>

FIGURE 11.
SHARE OF AGRICULTURE, FORESTRY AND FISHING EMPLOYMENT IN TOTAL EMPLOYMENT BY REGION



Source: FAO. 2024. FAOSTAT: Employment Indicators: Agriculture and agrifood systems. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/OEA>. Licence: CC-BY-4.0.
Download: <https://doi.org/10.4060/cd2971en-fig11>

the biggest drop was observed in Europe, as agricultural employment there has decreased by 47 percent from 34 million, which represents a decrease of 16 million people. During the same period, even if the share of employment in agriculture declined in Africa (see **FIGURE 11**), agricultural employment increased to 238 million people in 2022. India and China had the largest number of people working in agriculture in 2022 (226 million people and 170 million people, respectively); together they accounted for two-thirds of agricultural employment in Asia and 44 percent of global agricultural employment in 2022 – even though 10 million people joined the agricultural sector between 2000 and 2022 in India and 185 million left it in China (see **TABLE 8**).

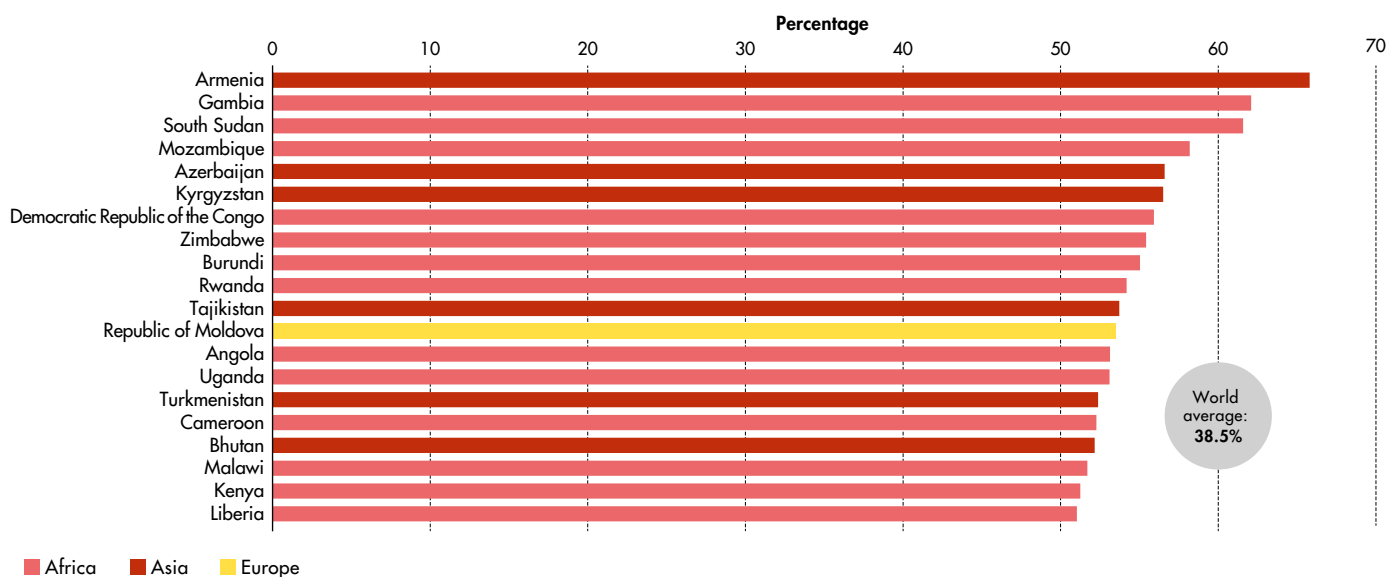
The share of employment in agriculture, forestry and fishing in total employment declined globally by 13.5 percentage points between

2000 and 2022, to 26.2 percent (see **FIGURE 11**). Yet, agriculture remains the second largest source of employment worldwide after the services sector.⁴ A decline in the share of the agricultural sector is usually linked to growing income levels, which explains the drop in the share of employment in agriculture across all regions and nearly all the countries (see **TABLE 9**). The COVID-19 pandemic broke this overall declining trend in 2020: while employment dropped in the industry and services sectors due to the COVID-19 restrictions, it increased in agriculture as mentioned above, resulting in an increase of the share of agricultural employment in all regions except Europe between 2019 and 2020, followed by a decline in 2021 and 2022. The lowest share of employment in agriculture was observed in Europe in 2022, where only 5.2 percent of the employed population had a job in agriculture. The highest share was observed

in Africa with 47.8 percent of the total employed population.

FIGURE 12 shows the countries with the highest shares of women in agricultural employment. While on average women represented 38.5 percent of all agricultural workers in 2022, this share is above 50 percent in 25 countries (see **TABLE 10**), most of them in Africa. Women and men working in agriculture might have different employment status. Generally, the women employed in agriculture are more likely to be engaged as contributing family workers whereas men are more likely to be engaged on their own account as workers generating an income.⁵ In addition, women often spend more time than men on activities such as food processing and food preparation for the household; child and elder care; water and fuel collection; and other unpaid household duties.⁶

FIGURE 12.
SHARE OF WOMEN IN AGRICULTURE, FORESTRY AND FISHING EMPLOYMENT, TOP COUNTRIES (2022)



Source: Based on FAO. 2024. FAOSTAT: Employment Indicators: Agriculture and agrifood systems. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/OEA>.
Licence: CC-BY4.0.

Download: <https://doi.org/10.4060/cd2971en-fig12>

● **Capital and investment**

Capital in the agricultural sector includes machinery, equipment, tools and farm buildings, and is essential in the production of all agricultural outputs. The gross fixed capital formation (GFCF) is an indication of the amounts that are reinvested in new fixed assets that are part of capital.

High-income countries tend to devote a higher share of their agricultural value added to reinvestments in the sector than countries with lower levels of income (see **FIGURE 13** and **TABLE 11**).

Belgium (67 percent) and Austria (62 percent) had the highest shares of GFCF in value added in 2022. The unusually high value observed for Morocco (58 percent) is due to a sharp drop in the agricultural value added in 2022 due to poor climatic conditions. The leaders of the other regions had much lower shares: 35 percent for the United States of America, 28 percent for Japan and 22 percent for Australia.

Government spending on agriculture is a measure of the public financial support to the sector and complements investments made

by the private sector. Asia and Africa had the highest percentage of central government spending on agriculture in 2022.⁸

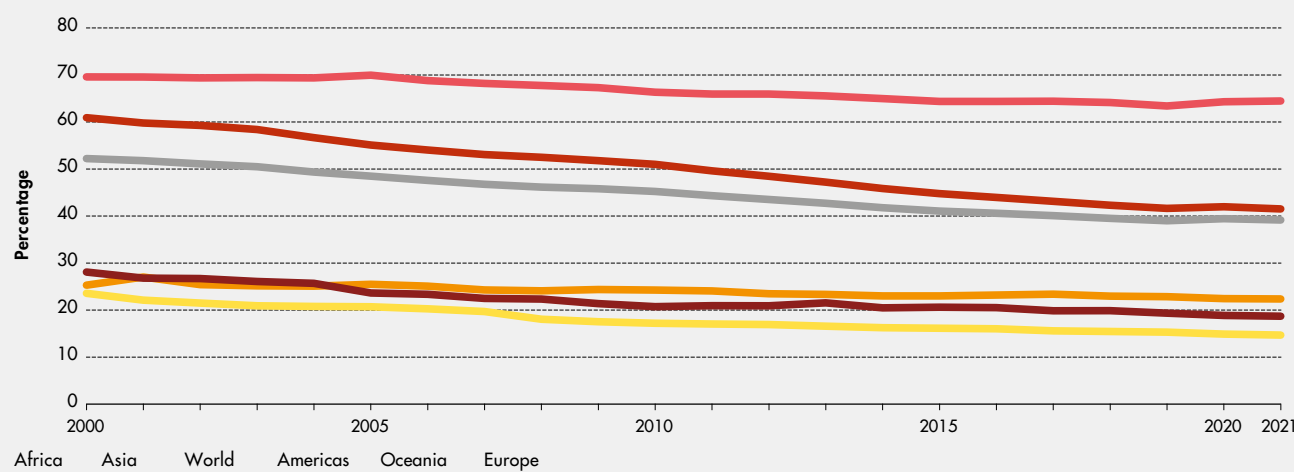
FIGURE 14 and **TABLE 12** reflect this, as most of the countries with the highest shares are in these two regions, with Mali (12.0 percent), Bhutan (9.1 percent) and Guyana (7.0 percent) as the top three countries. In the case of Africa, signatories to the Malabo Declaration of 2014 committed to allocate at least 10 percent of government expenditures to agriculture.⁹

BOX 1.
FOCUS ON EMPLOYMENT IN AGRIFOOD SYSTEMS

The Food and Agriculture Organization of the United Nations (FAO) developed and refined over the past few years a methodology to go beyond the traditional measurement of employment in agriculture and estimate employment in agrifood systems. Global and regional estimates were first published in 2023,⁷ and country values followed in October 2024.

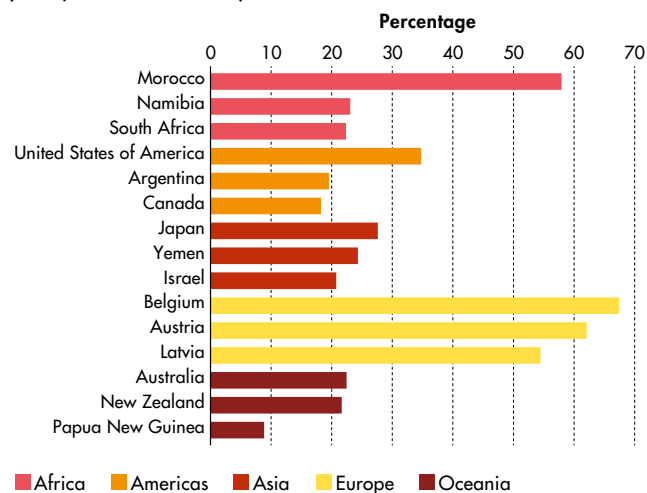
Agri-food systems employment represented 39.2 percent of total employment at the global level in 2021, which highlights the importance of these activities. However, this share fell from 52.6 percent in 2000. The decline took place in all regions and was the largest in Asia, from 60.9 percent in 2000 to 41.5 percent in 2021, in relation with the trend observed on **FIGURE B1**. In Africa, nearly two-thirds of the population were employed in agrifood systems during the period. In Oceania, the Americas and Europe, agrifood systems employed nearly one-fourth of the population in 2000; by the end of the period, the share had fallen to 22.4 percent in the Americas, 18.7 percent in Oceania and 14.7 percent in Europe, driven by declines in both agricultural and non-agricultural agrifood systems employment.

FIGURE B1. SHARE OF AGRIFOOD SYSTEMS EMPLOYMENT IN TOTAL EMPLOYMENT BY REGION



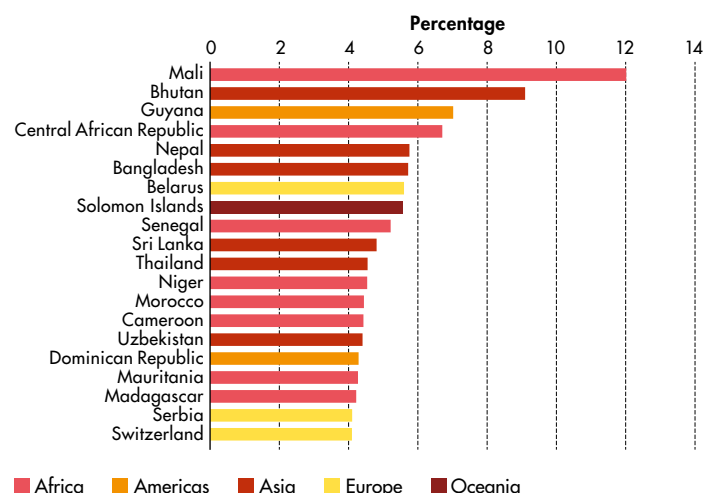
Source: FAO. 2024. FAOSTAT: Employment Indicators: Agriculture and agrifood systems. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/OEA>.
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Download: <https://doi.org/10.4060/cd2971en-figb1>

FIGURE 13.
GROSS FIXED CAPITAL FORMATION (AGRICULTURE, FORESTRY AND FISHING) AS A SHARE OF VALUE ADDED, TOP COUNTRIES BY REGION (2022, USD 2015 PRICES)



Note: Only countries with more than USD 500 million of agricultural value added are included. Values for 2022 are projections based on nowcasts. Source: FAO. 2023. FAOSTAT: Capital Stock. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/CS>. Licence: CC-BY-4.0. Download: <https://doi.org/10.4060/cd2971en-fig13>

FIGURE 14.
GOVERNMENT EXPENDITURE ON AGRICULTURE, FORESTRY AND FISHING AS A SHARE OF TOTAL OUTLAYS, TOP COUNTRIES (2020–2022*)



Source: FAO. 2024. FAOSTAT: Government Expenditure. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/IG>. Licence: CC-BY-4.0. Download: <https://doi.org/10.4060/cd2971en-fig14>

INPUTS

● Pesticides

Global pesticide use increased between 2000 and 2022 by 70 percent, to 3.7 million tonnes in 2022 (see **FIGURE 15**). Most of this increase took place between 2000 and 2016, with a small decline until 2018 and renewed growth afterwards. The highest contributions came from the Americas, followed by Asia, Europe, Africa and Oceania. The share of the Americas, the largest contributor, increased from 41 percent to 51 percent of global pesticide consumption while that of Asia and Europe decreased by 5–8 percentage points to 29 percent and 13 percent, respectively. Africa and Oceania applied small amounts of pesticides over time, but Africa nonetheless had the highest growth

in pesticide applications (+185 percent). As shown in **TABLE 13**, Brazil was the largest pesticide user in 2021 with 0.8 million tonnes, or 22 percent of the world total, far ahead of the United States of America (0.47 million tonnes) and Indonesia (0.29 million tonnes).

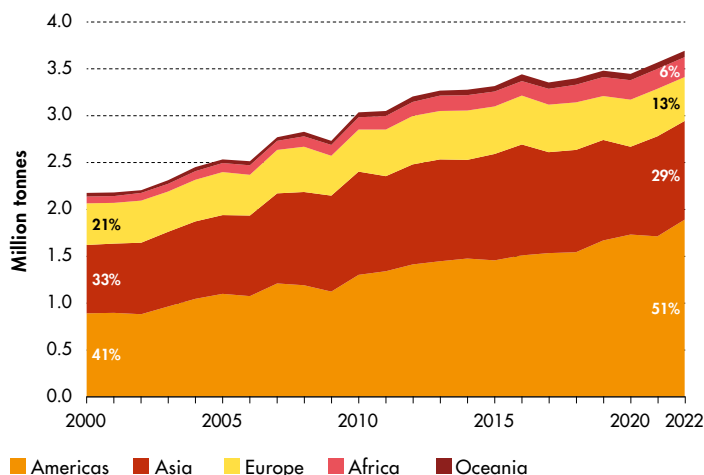
Global pesticide use per cropland area went up 37 percent in the 2000s, from 1.5 kg/ha in 2000 to 2.0 kg/ha in 2010; growth slowed down afterwards to just 18 percent between 2010 and 2022 (see **FIGURE 16**), with some important regional differences. Pesticide application rates in 2022 were highest in the Americas by a wide margin (5.1 kg/ha), followed by Oceania, Asia, Europe and Africa. Asia and Europe were

the only regions where pesticide use per cropland area decreased between the early 2010s and 2022. Among the top pesticide users in 2022 mentioned above, Brazil had the largest use per cropland area (12.6 kg/ha), close to four times the value for the United States of America (3.0 kg/ha) and nearly twice the value for Indonesia (6.5 kg/ha) (see **TABLE 14**).

● Fertilizers

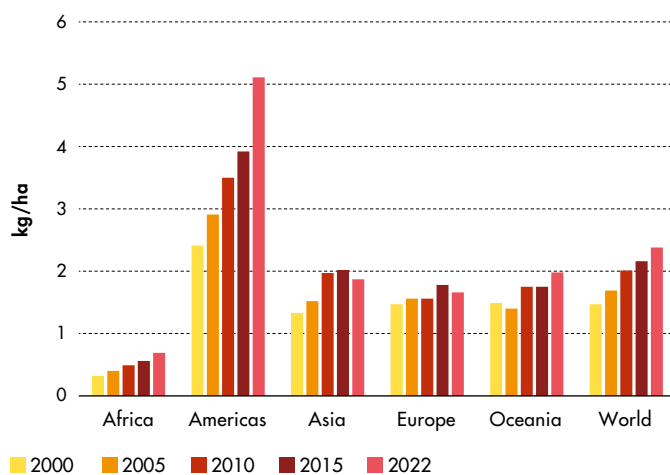
Total agricultural use of inorganic fertilizers, expressed as the sum of the three nutrients nitrogen (N), phosphorus (expressed as P₂O₅) and potassium (expressed as K₂O), was 185 million tonnes in 2022, down 7 percent compared with 2021. The decrease is mainly due to significantly higher fertilizer prices linked with higher natural

FIGURE 15.
PESTICIDE USE BY REGION



Note: Percentages in the figure indicate the shares in the total; they may not tally due to rounding.
Source: FAO. 2024. FAOSTAT: Pesticides Use. [Accessed on 15 November 2024].
<https://www.fao.org/faostat/en/#data/RP>. Licence: CC-BY-4.0.
Download: <https://doi.org/10.4060/cd2971en-fig15>

FIGURE 16.
PESTICIDE USE PER CROPLAND AREA BY REGION



Source: FAO. 2024. FAOSTAT: Pesticides Use. [Accessed on 15 November 2024].
<https://www.fao.org/faostat/en/#data/RP>. Licence: CC-BY-4.0.
Download: <https://doi.org/10.4060/cd2971en-fig16>

gas prices and conflict-related supply chain disruptions. As shown in **FIGURE 17**, the breakdown was 108 million tonnes of nitrogen (58 percent of the total), 42 million tonnes of phosphorus (23 percent) and 35 million tonnes of potassium (19 percent). Overall fertilizer use in 2022 was 50 million tonnes, or 37 percent, higher than in 2000 (33 percent higher for nitrogen, 29 percent higher for phosphorus and 63 percent higher for potassium).

Asia represented 55 percent of world total agricultural use of inorganic fertilizers in 2022, followed by the Americas (28 percent), Europe (11 percent), Africa (4 percent) and Oceania (2 percent). This ranking of the regions is the same for all nutrients.

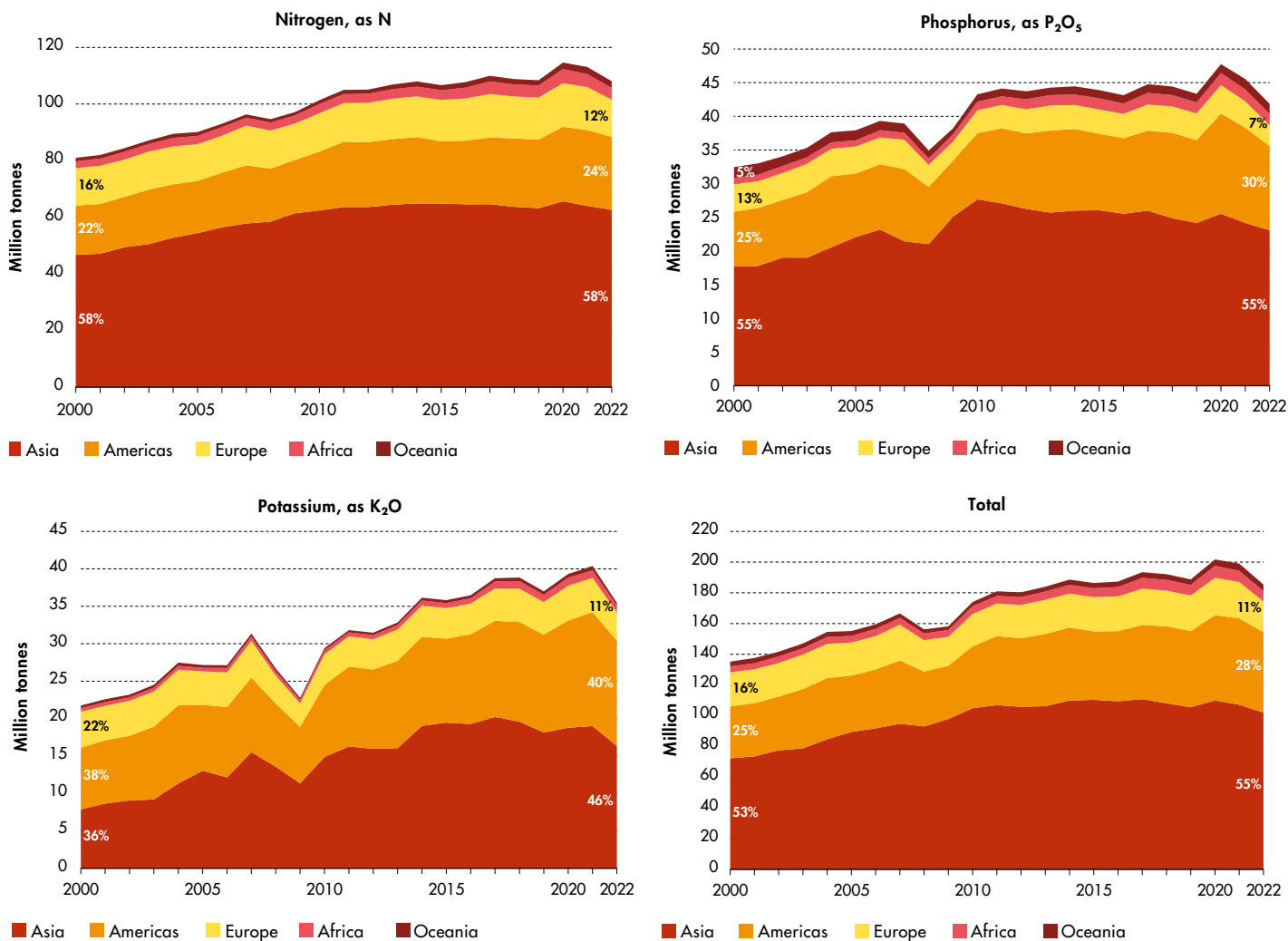
The main users of inorganic fertilizers are, in descending order, China, India, Brazil and the United States of America (see **TABLE 15**), with China the largest user of each nutrient.

Fertilizer use increased in all regions except Europe between 2000 and 2022 (see **FIGURE 18**). The total for the three nutrients went up 54 percent in Asia, or 30 million tonnes – the largest increase in absolute terms. The fastest increase took place in Africa, with a growth of 74 percent, equivalent to just 7 million tonnes, due to the low starting level. In the Americas, fertilizer use increased by 55 percent, or 19 million tonnes, compared to 37 percent (or 1.1 million tonnes) in Oceania. It decreased by 10 percent in

Europe (or 2.1 million tonnes); the decline started in 2021 and accelerated in 2022.

The mix of nutrients varies across the regions. Nitrogen is the dominant nutrient, accounting for 66 percent of fertilizer use in Europe, 61–62 percent in Africa and Asia, 56 percent in Oceania and just under half of the total in the Americas (49 percent). The use of phosphorus accounts for 16 to 25 percent of the total in all the regions except Oceania, where its share is 36 percent. The share of potassium in fertilizer use is the highest in the Americas with 27 percent, followed by Europe (19 percent), Asia (16 percent), Africa (14 percent) and Oceania (9 percent). The use of phosphorus declined in

FIGURE 17
INORGANIC FERTILIZER USE BY REGION



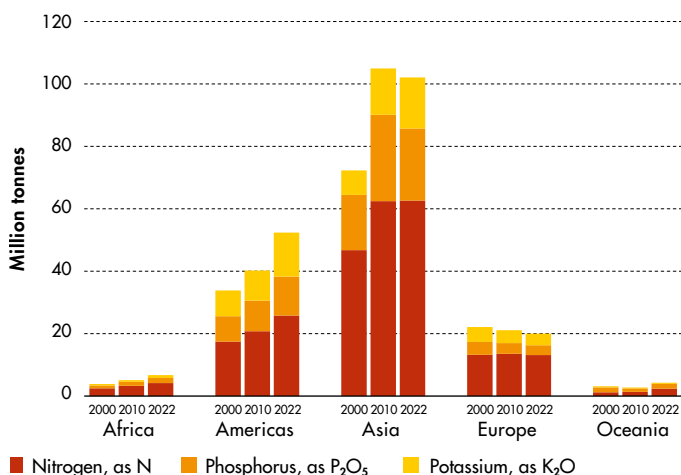
Note: Percentages in the figure indicate the shares in the total; they may not tally due to rounding.
Source: FAO. 2024. FAOSTAT: Fertilizers by Nutrient. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/RFN>. Licence: CC-BY-4.0.
Download: <https://doi.org/10.4060/cd2971en-fig17>

Oceania between 2000 and 2022 by 4 percent, while in Europe the use of potassium declined significantly over the same period (by 22 percent) and the use of nitrogen declined marginally (by 1 percent).

World agricultural use of inorganic fertilizers per cropland area rose by 32 percent between 2000 and 2022 to 113 kg of nutrients per hectare – expressed as the sum of nitrogen, phosphorus and potassium (see **FIGURE 19**).

This corresponds to an increase of 27 kg/ha compared with 2000. Of the total amount, 65 kg/ha correspond to nitrogen (up 28 percent), 26 kg/ha to phosphorus (up 24 percent) and 22 kg/ha to potassium (up 58 percent).

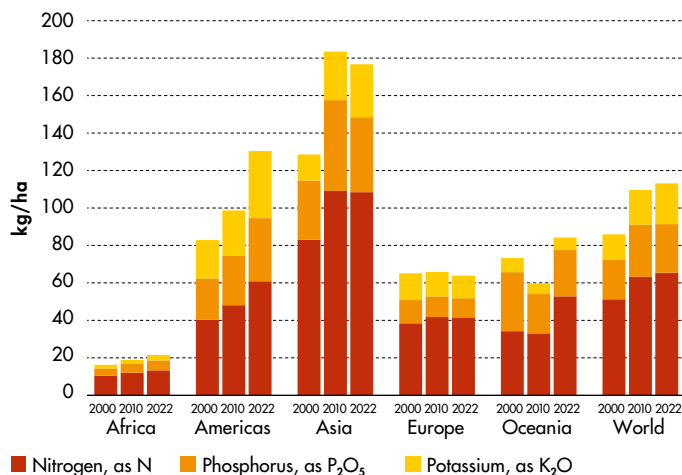
FIGURE 18.
INORGANIC FERTILIZER USE BY NUTRIENT AND REGION



Source: FAO. 2024. FAOSTAT: Fertilizers by Nutrient. [Accessed on 15 November 2024].
<https://www.fao.org/faostat/en/#data/RFN>. Licence: CC-BY-4.0.

Download: <https://doi.org/10.4060/cd2971en-fig18>

FIGURE 19.
INORGANIC FERTILIZER USE PER CROPLAND AREA BY
NUTRIENT AND REGION



Source: FAO. 2024. FAOSTAT: Fertilizers by Nutrient. [Accessed on 15 November 2024].
<https://www.fao.org/faostat/en/#data/RFN>. Licence: CC-BY-4.0.

Download: <https://doi.org/10.4060/cd2971en-fig19>

Fertilizer use per cropland area in 2022 was the highest in Asia, at 177 kg/ha, followed by the Americas (130 kg/ha), Oceania (84 kg/ha), Europe (64 kg/ha) and Africa

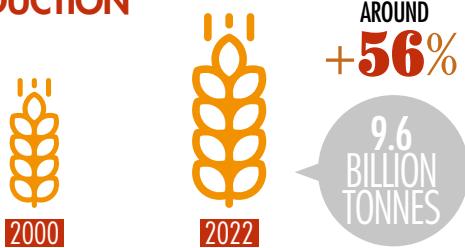
(22 kg/ha), as shown on **FIGURE 19** and **TABLE 16**. With a growth rate of 57 percent between 2000 and 2022, the Americas was the region with the fastest increase in fertilizer use

per cropland area, ahead of Asia (+37 percent), Africa (+32 percent) and Oceania (+15 percent). Europe is the only region showing a decrease (-2 percent).

CHAPTER 2

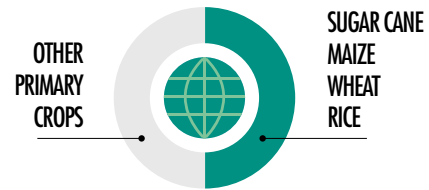
KEY FACTS

PRIMARY CROP PRODUCTION



The production of primary crops was 9.6 billion tonnes in 2022, 56% more than in 2000.

GLOBAL PRIMARY CROP PRODUCTION



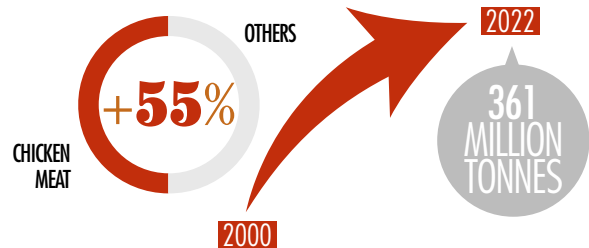
Four crops account for about half of global primary crop production: sugar cane, maize, wheat and rice.

VEGETABLE OILS PRODUCTION



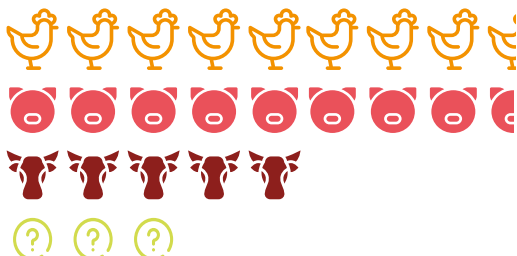
The production of vegetable oils went up 133% between 2000 and 2021, driven by a sharp increase in palm oil.

MEAT PRODUCTION



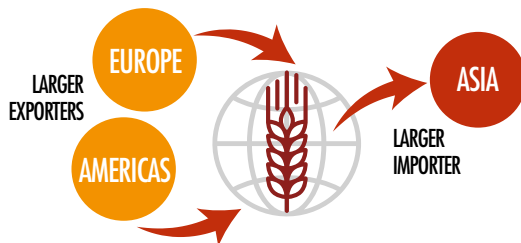
361 million tonnes of meat were produced in 2022, 55% more than in 2000, with chicken meat representing more than half the increase.

MEAT PRODUCTION BREAKDOWN



Chicken meat was the most produced type of meat in 2022, just ahead of pig meat.

CEREALS TRADE



Cereals are the most traded commodity by quantity in 2022: the Americas and Europe are the largest exporters and Asia the largest importer.

2 PRODUCTION, TRADE AND PRICES OF COMMODITIES

PRODUCTION OF CROPS AND DERIVED PRODUCTS

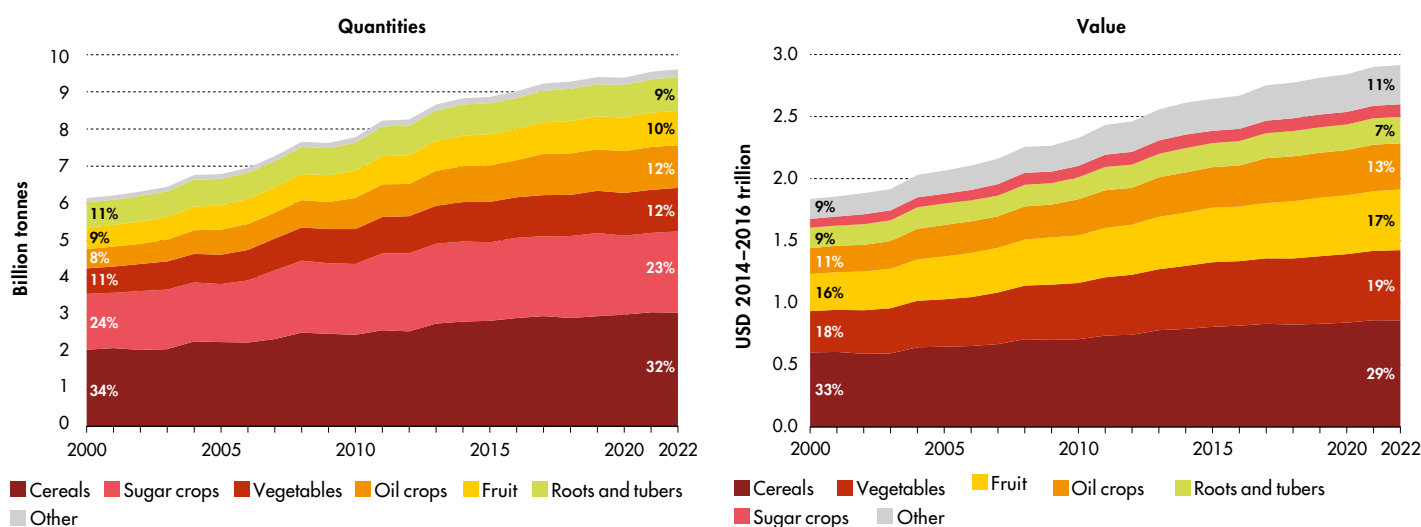
The global production of primary crops increased by 56 percent between 2000 and 2022 to 9.6 billion tonnes, which is 0.7 percent higher than in 2021 (see **FIGURE 20** and **TABLE 17**). This represents 3.5 billion tonnes more than in 2000. With slightly less than one-third of the total, cereals were the main group of crops produced in 2022, followed by sugar crops (23 percent), vegetables (12 percent) and oil crops (12 percent). Fruit accounted for 10 percent of the total production, and roots

and tubers for 9 percent. The increase in production is mainly attributable to a combination of factors seen in Chapter 1 (increased use of irrigation, pesticides and fertilizers and, to a lesser extent, a larger cultivated area); other factors such as better farming practices^{10, 11} and the use of high-yield crops¹² also play a role.

The value of primary crop production increased at a slightly higher pace in real terms than the quantities produced (59 percent), from USD 1.8 trillion in 2000 to USD 2.9 trillion in 2022. Similarly

to the quantities produced, cereals accounted for the largest share in the total production value in 2022 (29 percent). Vegetables and fruit represented 19 percent and 17 percent, respectively, of the total value in 2022, which is significantly higher than the shares in quantities. The shares of oil crops and roots and tubers in the total value were similar to the shares in quantities. The shares of oil crops and roots and tubers in the total value were similar to the shares in quantities. Sugar crops represented 3 percent of the total value: such a discrepancy with the share of the quantities produced is mainly due to differences in price compared to fruit and vegetables.

FIGURE 20.
WORLD PRODUCTION OF PRIMARY CROPS BY COMMODITY GROUP



Note: Percentages in the figure indicate the shares in the total; they may not tally due to rounding.
Source: FAO. 2023. FAOSTAT: Production: Crops and livestock products. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/QCL>. Licence: CC-BY4.0. and FAO. 2024. FAOSTAT: Value of Agricultural Production. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/QV>. Licence: CC-BY4.0.
Download: <https://doi.org/10.4060/cd2971en-fig20>

While a multitude of crops are cultivated and harvested around the world, just four individual crops accounted for half the global production of primary crops in 2022: sugar cane (20 percent of the total, with 1.9 billion tonnes), maize (12 percent, with 1.2 billion tonnes), wheat and rice (8 percent each, with 0.8 billion tonnes) – see **FIGURE 21**. Oil palm fruit and potatoes each accounted for an additional 4 percent (0.4 billion tonnes) of world crop production.

Sugar cane accounted for 21 percent of the global crop production on average over the 2000–2022 period. While maize, wheat and rice each represented 10 percent of the total in 2000, maize production grew 2.6–3.3 times faster than that of wheat or rice during the 2000–2022 period, surpassing rice in 2001 to become the second most produced crop worldwide. As seen in **TABLE 19**, the

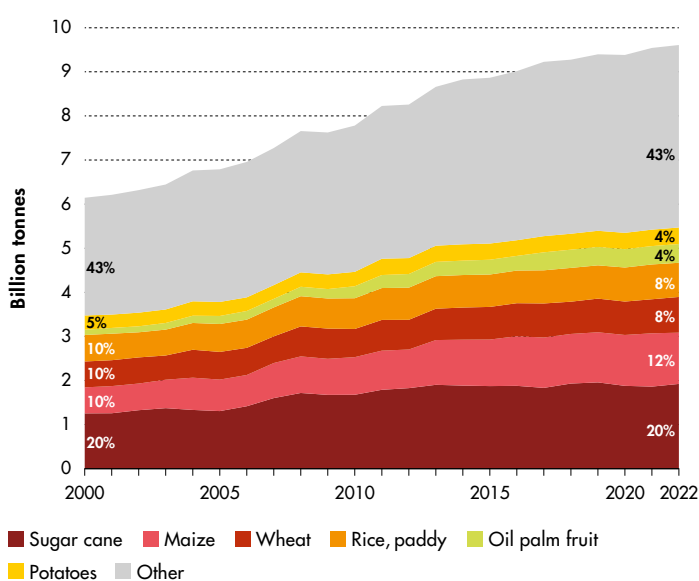
Americas was the leading region in the production of sugar cane (51 percent of the world total) and maize (50 percent) in 2022, while Asia led in the production of rice (90 percent), oil palm fruit (87 percent), potatoes (54 percent) and wheat (42 percent).

FIGURE 22 shows that for each main crop commodity, the top three producers, combined, account for a significant share of the world total: 43–46 percent for wheat and potatoes; 60–66 percent for rice, maize and sugar cane; and 87 percent for oil palm fruit in 2022. For each crop, the top producer also has a sizeable share of the global output: in 2022, Brazil accounted for 38 percent of world sugar cane production; the United States of America grew 30 percent of the global production for maize; China (which ranked in the top three producers for five out of

the six main crop commodities) produced 26–27 percent of the world output of potatoes and rice and 17 percent of the world output of wheat; and 60 percent of oil palm fruit production originated in Indonesia. Such a concentration can have a large impact on prices when harvests are affected – either positively or negatively – in the main producing countries that export part of their production. Most primary crops can be consumed unprocessed, but two crop groups in particular require processing for the production of commodities used both as food and fuel: oil crops and sugar crops. Therefore, they have an impact on nutrition and health, but also on energy and the environment.

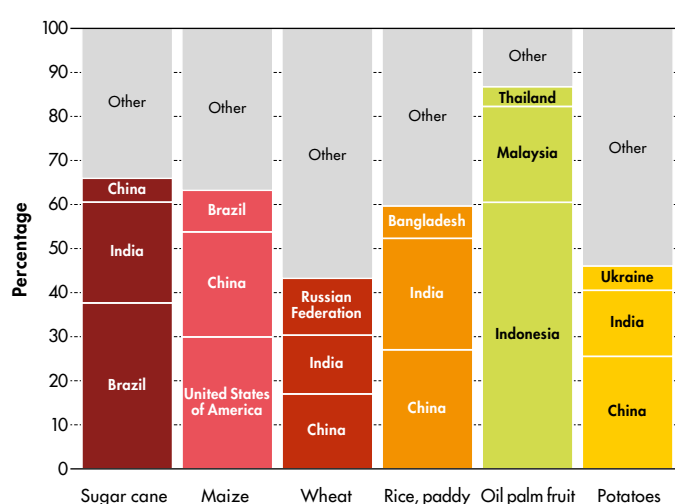
The global production of vegetable oils went up 133 percent between 2000 and 2021 to 215 million tonnes in 2021 (see **FIGURE 23** and **TABLE 20**).

FIGURE 21.
WORLD PRODUCTION OF PRIMARY CROPS, MAIN COMMODITIES



Note: Percentages in the figure indicate the shares in the total; they may not tally due to rounding.
Source: FAO. 2023. FAOSTAT: Production: Crops and livestock products. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/QCL>. Licence: CC-BY4.0.
Download: <https://doi.org/10.4060/cd2971en-fig21>

FIGURE 22.
WORLD PRODUCTION OF MAIN PRIMARY CROPS BY MAIN PRODUCERS (2022)



Source: FAO. 2023. FAOSTAT: Production: Crops and livestock products. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/QCL>. Licence: CC-BY4.0.
Download: <https://doi.org/10.4060/cd2971en-fig22>

This is 123 million tonnes more than in 2000, and 4 million tonnes more than the previous peak observed in 2019. Palm oil registered the largest increase, both absolute and relative, as its production went up 58 million tonnes, or 263 percent; it overtook soybean oil as the main vegetable oil produced in 2006. The use of palm oil for biodiesel explains most of this spectacular growth.¹³ The other main vegetable oils produced in 2021 were rapeseed oil, accounting for 12 percent of global vegetable oil production (down from 15 percent in 2000), and sunflower oil, which accounted for 9 percent of total vegetable oil production (down from 11 percent in 2000).

As with primary crops, the production of the main vegetable oils is heavily concentrated in a handful of countries (see **FIGURE 24**). The concentration is highest with palm oil, as 84 percent of global production came from two countries in 2021: Indonesia (62 percent) and Malaysia (22 percent). This

mirrors the shares of the top producers of oil palm fruit shown in **FIGURE 22**. In 2021, the top three producers accounted for 65 percent of the production of soybean oil, 62 percent of the production of sunflower oil and 43 percent of the production of rapeseed oil. China was the main producer of soybean oil, with a share of 28 percent in 2021, and the United States of America a distant second with a share of 19 percent. The difference between the first and second producer was much smaller for rapeseed and sunflower oil: Canada led the production of rapeseed oil in 2021, with 16 percent of the world total, just ahead of Germany (15 percent), while the Russian Federation produced 28 percent of the global sunflower oil output in 2021, with Ukraine a close second (27 percent).

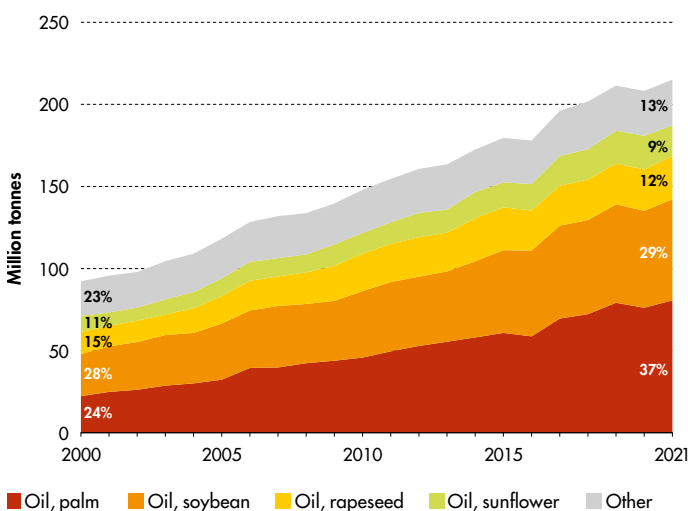
The global production of raw sugar reached 177 million tonnes in 2021, up 33 percent compared with 2000, or 44 million tonnes

(see **FIGURE 25** and **TABLE 21**). The 2 percent growth in 2021 comes after two years of decline. As sugar cane, the main sugar crop, grows in tropical regions, the main producing countries are located there. Brazil was the top sugar producer in 2021, accounting for 20 percent of the global total, even though production dropped by 6 percent since 2020. India remained the second largest producer (19 percent of the total) and made a strong recovery (+17 percent) from the decline in production registered in 2020. The other main producers each accounted for 3 to 6 percent of the total production in 2021, with the Russian Federation relying only on sugar beet for sugar production.

PRODUCTION OF LIVESTOCK AND LIVESTOCK COMMODITIES

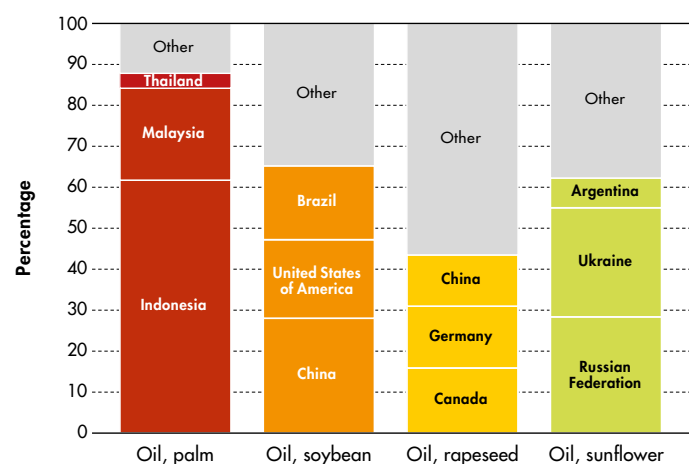
World meat production reached 361 million tonnes in 2022, up 55 percent, or 129 million tonnes compared with 2000 (see **FIGURE 26**). After a strong recovery in 2021

FIGURE 23.
WORLD PRODUCTION OF VEGETABLE OILS, MAIN COMMODITIES



Note: Percentages in the figure indicate the shares in the total; they may not tally due to rounding.
Source: FAO. 2023. FAOSTAT: Production: Crops and livestock products. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/QCL>. Licence: CC-BY4.0.
Download: <https://doi.org/10.4060/cd2971en-fig23>

FIGURE 24.
WORLD PRODUCTION OF MAIN VEGETABLE OILS BY MAIN PRODUCERS (2021)



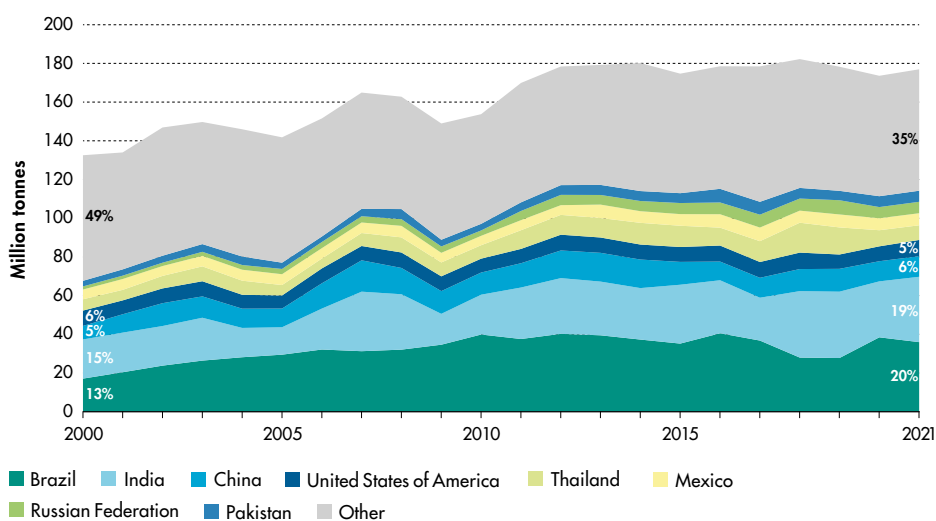
Source: FAO. 2023. FAOSTAT: Production: Crops and livestock products.
[Cited on 15 November 2024]. <https://www.fao.org/faostat/en/#data/QCL>. Licence: CC-BY4.0.
Download: <https://doi.org/10.4060/cd2971en-fig24>

(+4.6 percent), the increase in production between 2021 and 2022 slowed down to 1.7 percent, which is below the average increase of 2.0 percent since 2000. Although many species are raised for their meat, only three accounted for nearly 90 percent of the global production between 2000 and 2022: chicken, pig and cattle (not taking into account the different breeds for each). With 34.3 percent of the global production in 2022, chicken meat showed the largest growth in absolute and relative terms since 2000 (+111 percent, or 65 million tonnes) and was the most produced type of meat in 2022. Pig meat represented 34.0 percent of the total in 2022, compared to 38 percent in 2000. African swine fever started affecting Asian countries in late 2018 and continued in 2019 and 2020. It resulted in an 11 million tonne decrease in world pig meat production between 2018 and 2019, with China being hardest hit, and it kept constraining production in 2020. The rebound

in pig meat production recorded in 2021 (120 million tonnes) continued in 2022 (123 million tonnes). The share of cattle meat dropped from 24 percent in 2000 to 19 percent in 2022.

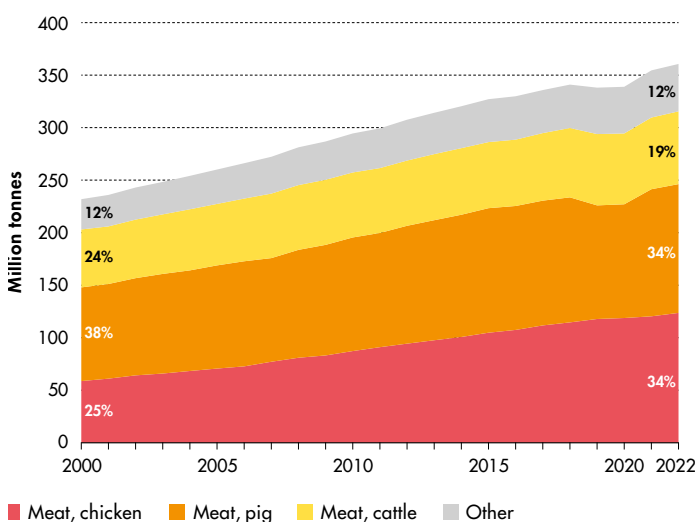
The market concentration of meat production is not as high as for primary crops and vegetable oils, even though the top three producers accounted for 60 percent of world pig meat production, 44 percent of world

FIGURE 25.
WORLD PRODUCTION OF RAW SUGAR, MAIN PRODUCERS



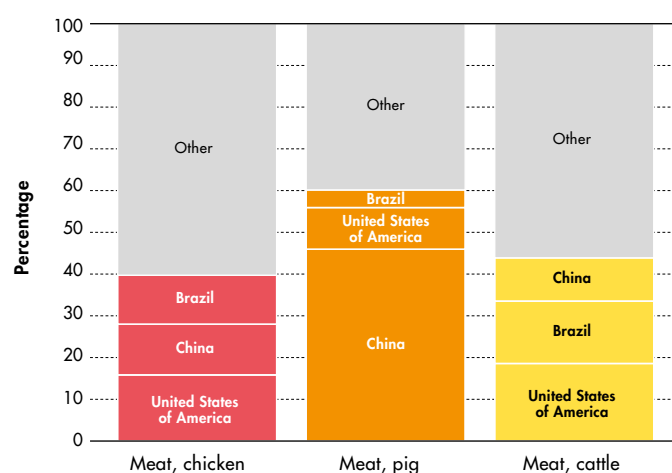
Note: Percentages in the figure indicate the shares in the total; they may not tally due to rounding.
Source: FAO. 2023. FAOSTAT: Production: Crops and livestock products. [Accessed on 15 November 2024].
<https://www.fao.org/faostat/en/#data/QCL>. Licence: CC-BY-4.0.
Download: <https://doi.org/10.4060/cd2971en-fig25>

FIGURE 26.
WORLD PRODUCTION OF MEAT, MAIN ITEMS



Note: Percentages in the figure indicate the shares in the total; they may not tally due to rounding.
Source: FAO. 2023. FAOSTAT: Production: Crops and livestock products. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/QCL>. Licence: CC-BY-4.0.
Download: <https://doi.org/10.4060/cd2971en-fig26>

FIGURE 27.
WORLD PRODUCTION OF MAIN MEAT ITEMS, MAIN PRODUCERS (2022)



Source: FAO. 2023. FAOSTAT: Production: Crops and livestock products. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/QCL>. Licence: CC-BY-4.0.
Download: <https://doi.org/10.4060/cd2971en-fig27>

cattle production and 40 percent of world chicken production in 2022 (see **FIGURE 27** and **TABLE 22**). China, the United States of America and Brazil are the three largest producers for each main meat type: in particular, China accounted for 46 percent of world pig meat in 2022, and the United States of America produced 19 percent of world cattle meat and 16 percent of world chicken meat. The difference between the two countries is that meat production in China is mostly for the domestic market, whereas a significant share of American meat production (especially in the case of chicken) is exported.¹⁴

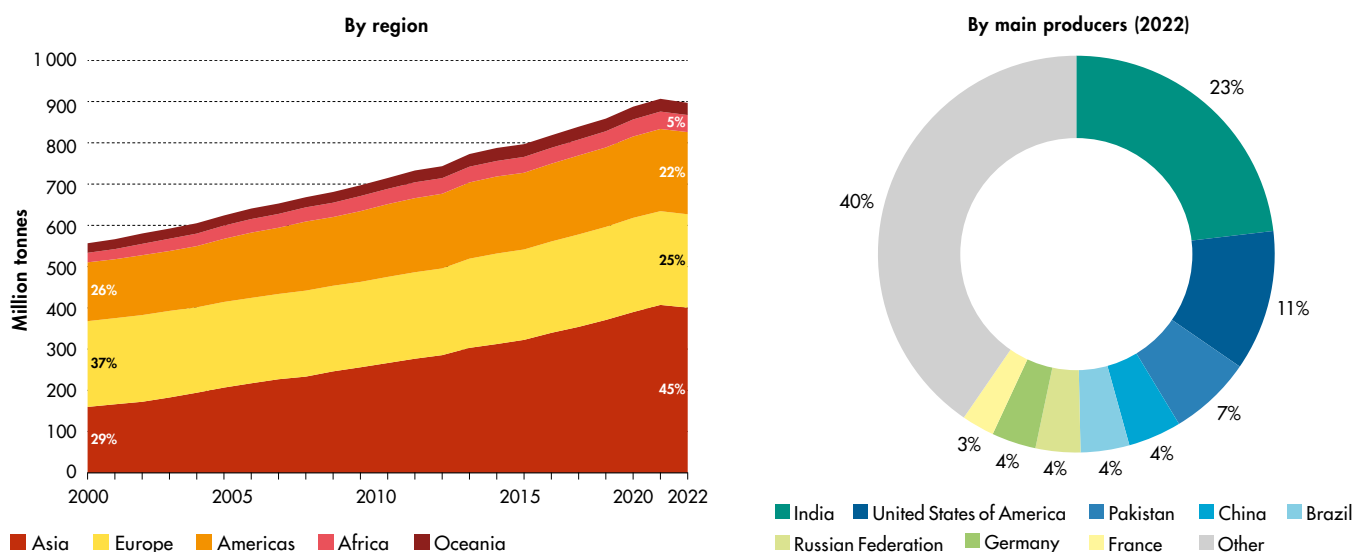
The global production of bovine milk (cattle and buffalo milk), which accounted for 96 percent of the global milk production in 2022, reached 897 million tonnes in 2022, an increase of 340 million tonnes, or 61 percent, compared with 2000 (see **FIGURE 28**). Asia was the largest milk-producing region in 2022 with a 45 percent share of the

total, ahead of Europe (25 percent), the Americas (22 percent), Africa (5 percent) and Oceania (3 percent). In particular, milk production in Asia went up 150 percent between 2000 and 2022 from 160 million tonnes to 401 million tonnes, mostly due to the increase in India (131 million tonnes), which was the largest producer with a 23 percent share of the global total in 2022. With an 11 percent share, the United States of America was the second largest producer; the other main producers (Pakistan, China, Brazil, the Russian Federation, Germany and France) each accounted for 3 to 7 percent of the global production. The combined share of the top three milk producers was 41 percent of the total, the same as in 2021, even though the share has been steadily increasing since 2000 (see **TABLE 23**).

In 2022, world hen egg production reached 87 million tonnes, a 70 percent increase from 2000 that translates into an additional 36 million tonnes over the period

(see **FIGURE 29**). Production, which has been stable since 2020, was constrained in 2021 and 2022 as outbreaks of highly pathogenic avian influenza (HPAI) in several countries reduced the number of egg-laying chickens. Asia was by far the main producing region, accounting for 63 percent of the global production in 2022, followed by the Americas (20 percent), Europe (12 percent), Africa (5 percent) and Oceania (0.4 percent). Production growth rates were well above 50 percent in all the regions but Europe, where it grew by just 14 percent (see **TABLE 24**); as a result, its share in the world total dropped from 18 percent to 12 percent. With 34 percent of the total, China ranked as the largest hen egg producing country; the other main producers (India, the United States of America, Indonesia, Brazil, Mexico, Japan and the Russian Federation) combined barely surpassed it. Together, the top three producers accounted for nearly half the global hen egg production in 2022.

FIGURE 28.
WORLD PRODUCTION OF BOVINE MILK

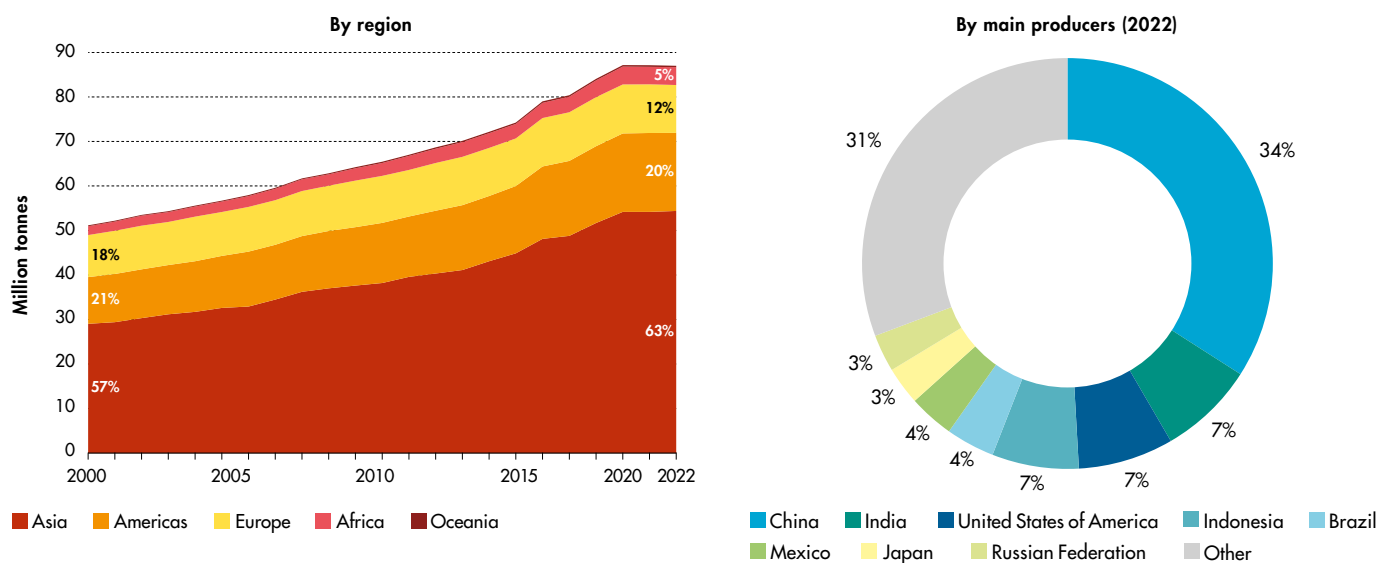


Note: Bovine milk comprises cattle and buffalo milk. Percentages in the figure indicate the shares in the total; they may not tally due to rounding.

Source: FAO. 2023. FAOSTAT: Production: Crops and livestock products. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/QCL>. Licence: CC-BY-4.0.

Download: <https://doi.org/10.4060/cd2971en-fig28>

FIGURE 29.
WORLD PRODUCTION OF HEN EGGS



Note: Percentages in the figure indicate the shares in the total; they may not tally due to rounding.

Source: FAO. 2023. FAOSTAT: Production: Crops and livestock products. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/QCL>. Licence: CC-BY-4.0.

Download: <https://doi.org/10.4060/cd2971en-fig29>

PRODUCTION OF THE FISHERIES AND AQUACULTURE SECTOR

Excluding algae, total world fisheries and aquaculture production showed a 47 percent growth between 2000 and 2022, reaching 185 million tonnes in 2022 and exceeding the previous record-high 183 million tonnes produced in 2021. This represents an overall expansion of 59 million tonnes compared to 2000. Total fisheries and aquaculture production (excluding algae) went up 1.5 percent between 2021 and 2022, compared to 3.0 percent between 2020 and 2021.

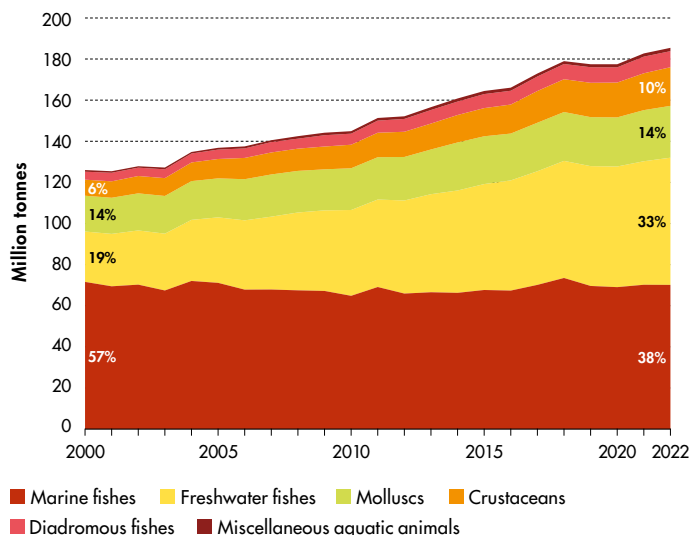
Thousands of species are harvested every year, with the quantities and specific species varying from country to country. Finfish (freshwater, diadromous and marine fish) had a share of 75 percent of the total in 2022,

a slight decline compared to 79 percent in 2000. With 38 percent of the total, marine fish were the main group of species produced in 2022, followed by freshwater fish (33 percent), molluscs (14 percent) and crustaceans (10 percent) (see **TABLE 25**). Thanks to the expansion of aquaculture production, freshwater fish experienced major growth (+153 percent) between 2000 and 2022, going from about 25 million tonnes in 2000 (19 percent of the total) to 62 million tonnes in 2022 (33 percent of the total). Other major increases were experienced by crustaceans (+140 percent) and diadromous fish (+101 percent).

The significant expansion of fisheries and aquaculture production came with many transformations, including an increasing dependence on aquaculture. In the last three

decades, aquaculture has been the main driver of the increase in fisheries and aquaculture production, with an average growth of 5 percent per year between 2000 and 2022, reaching a record 94.4 million tonnes in 2022 and surpassing capture production for the first time. At the global level, after several decades of sustained growth, capture fisheries production has been rather stable at around 90 million tonnes since the early 1990s, with some interannual fluctuations in the range of 3 to 6 million tonnes. These fluctuations have been mainly due to variations in catches of anchoveta in South America, particularly affected by climatic change variability, but they also depend on the productivity of ecosystems, fishing intensity management, and fish stock status. In 2022, capture fisheries production reached 91.0 million tonnes, down from its

FIGURE 30.
WORLD CAPTURE FISHERIES AND AQUACULTURE PRODUCTION
BY SPECIES GROUP

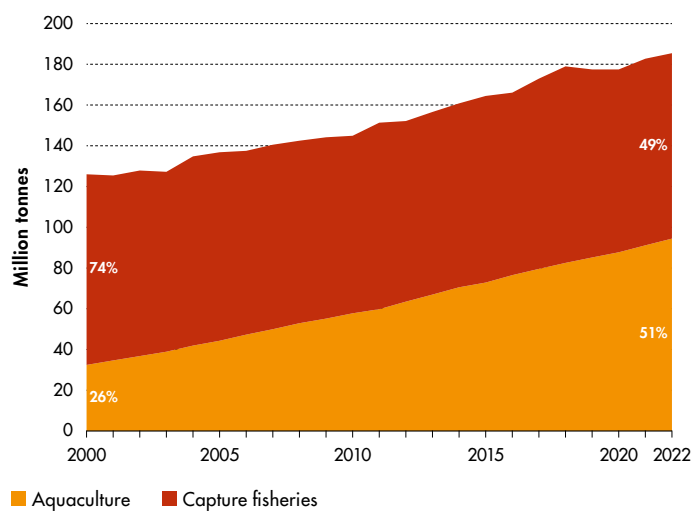


Note: Excludes aquatic mammals, crocodiles, alligators and caimans, pearls and shells, corals, sponges and algae. Percentages in the figure indicate the shares in the total; they may not tally due to rounding.

Source: FAO. 2024. FishStat: Global production by production source 1950–2022. [Accessed on 15 November 2024]. In: FishStatJ. <https://www.fao.org/fishery/en/statistics/software/fishstatj>. Licence: CC-BY-4.0.

Download: <https://doi.org/10.4060/cd2971en-fig30>

FIGURE 31.
WORLD CAPTURE FISHERIES AND AQUACULTURE PRODUCTION
BY PRODUCTION MODE



Note: Excludes aquatic mammals, crocodiles, alligators and caimans, pearls and shells, corals, sponges and algae. Percentages in the figure indicate the shares in the total; they may not tally due to rounding.

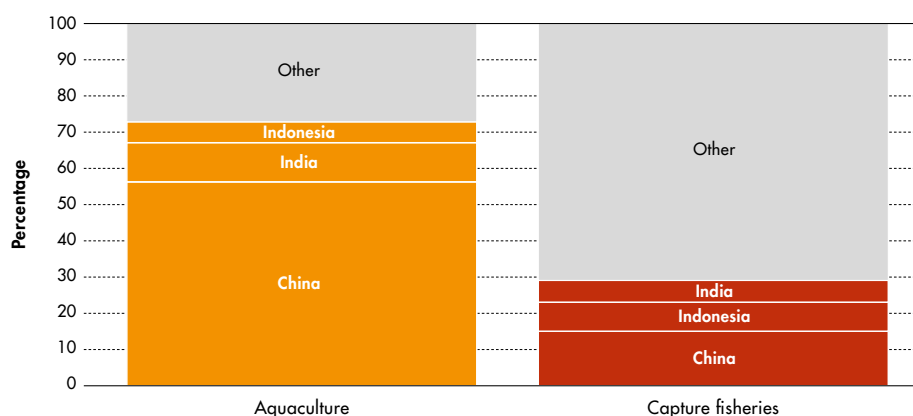
Source: FAO. 2024. FishStat: Global production by production source 1950–2022. [Accessed on 15 November 2024]. In: FishStatJ. <https://www.fao.org/fishery/en/statistics/software/fishstatj>. Licence: CC-BY-4.0.

Download: <https://doi.org/10.4060/cd2971en-fig31>

2018 peak of 96.5 million tonnes, representing 49 percent of total production, while aquaculture accounted for more than half (51 percent) of the global total for the first time. Yet the share of aquaculture in total production in 2022 varied significantly across continents, going from 64 percent in Asia to 22 percent in the Americas, 20 percent in Europe, 18 percent in Africa and 13 percent in Oceania.

As seen in **TABLE 26**, Asia played a major role in the overall growth of fisheries and aquaculture production and represented 70 percent of total production in 2022 compared to 57 percent in 2000.

FIGURE 32.
WORLD CAPTURE FISHERIES AND AQUACULTURE PRODUCTION BY MAIN PRODUCERS (2022)



Note: Excludes aquatic mammals, crocodiles, alligators and caimans, pearls and shells, corals, sponges and algae.

Source: FAO. 2023. Fisheries and Aquaculture: Global production by production source Quantity (1950 - 2021). In: FAO. Rome. [Cited October 2023]. https://www.fao.org/fishery/statistics-query/en/global_production/global_production_quantity

Download: <https://doi.org/10.4060/cd2971en-fig32>

In 2022, the Americas had a share of 12 percent, followed by Europe (9 percent), Africa (7 percent) and Oceania (1 percent). China is by far the main producer for both capture fisheries and aquaculture, with a 36 percent share of the total production in 2022, compared with 30 percent in 2000. In 2022, other major producers for both capture fisheries and aquaculture were India and Indonesia; these three countries together represented 51 percent of total fisheries and aquaculture production. The overall share of the top three producers was 73 percent of aquaculture and 29 percent of capture fisheries in 2022. Despite this concentration of production, aquaculture has experienced growth across the world, with the unequal rates reflecting differences in local policy, management objectives, site opportunities and environmental factors.

In addition, 37.8 million tonnes of algae were produced in 2022, the bulk of which (97 percent) originated from culture-based practices. If algae are included, overall fisheries and aquaculture production reached 223 million tonnes in 2022, with aquaculture representing 59 percent of the total.

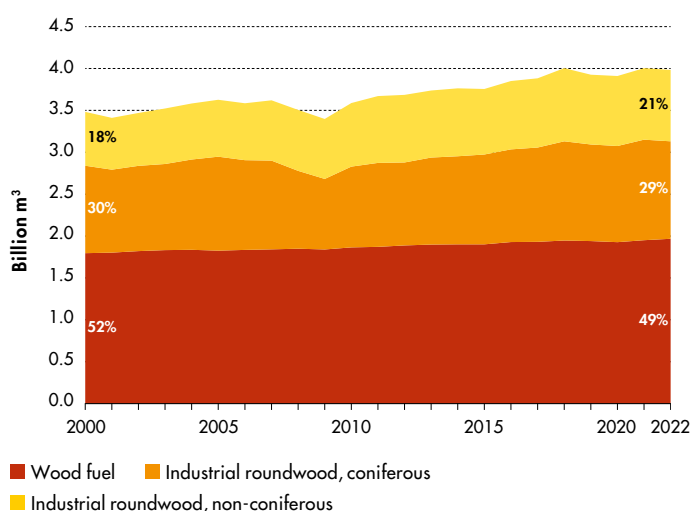
PRODUCTION OF THE FORESTRY SECTOR

Global production of roundwood rose from 3.5 billion m³ in 2000 to 4.0 billion m³ in 2022, which represents a 14.0 percent increase over the 2000–2022 period and a 0.5 percent decrease compared with 2021 (see **FIGURE 33**). In 2022, wood fuel was the main product, with a 49 percent share of the total (2 billion m³), followed by coniferous industrial roundwood with 29 percent (1.2 billion m³),

and non-coniferous industrial roundwood with 21 percent (0.9 billion m³). In particular, the rebound has remained robust after the decline in coniferous industrial roundwood production in 2009, which resulted in the lowest total roundwood production during the 2000–2022 period. As seen in **TABLE 27**, Asia and the Americas are the two main producing regions, each accounting for 29 percent of the total roundwood production. Africa and Europe each contribute 20 percent, while Oceania produces the remaining 2 percent.

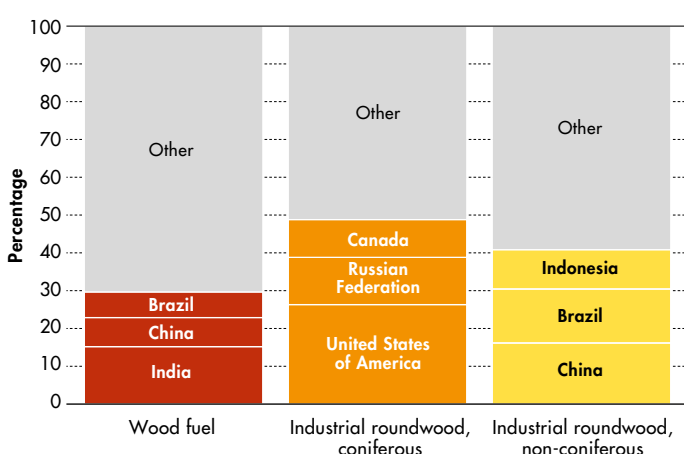
The total share of the combined three main producers of roundwood commodities in 2022 was roughly 30 percent for wood fuel, 40 percent for non-coniferous industrial roundwood, and 50 percent for coniferous industrial roundwood (see **FIGURE 34**).

FIGURE 33.
WORLD PRODUCTION OF ROUNDWOOD BY TYPE



Note: Percentages in the figure indicate the shares in the total; they may not tally due to rounding.
 Source: FAO. 2023. FAOSTAT: Forestry Production and Trade. [Accessed on 15 November 2024].
<https://www.fao.org/faostat/en/#data/FO>. Licence: CC-BY-4.0.
 Download: <https://doi.org/10.4060/cd2971en-fig33>

FIGURE 34.
WORLD PRODUCTION OF ROUNDWOOD BY TYPE,
MAIN PRODUCERS (2022)



Source: FAO. 2023. FAOSTAT: Forestry Production and Trade [Accessed on 15 November 2024].
<https://www.fao.org/faostat/en/#data/FO>. Licence: CC-BY-4.0.
 Download: <https://doi.org/10.4060/cd2971en-fig34>

Many lower- and middle-income countries rely on wood for energy purposes (especially cooking). The largest producers are all in these income groups and have large populations with a high reliance on wood for energy: in 2022, India ranked first with 299 million m³ (15 percent of total production), followed by China with 151 million m³ and Brazil with 133 million m³ (respectively 8 percent and 7 percent of global production). **TABLE 27** shows that five African countries are included in the top ten: these are, in descending order, Ethiopia, the Democratic Republic of the Congo, Nigeria, Ghana and Uganda.

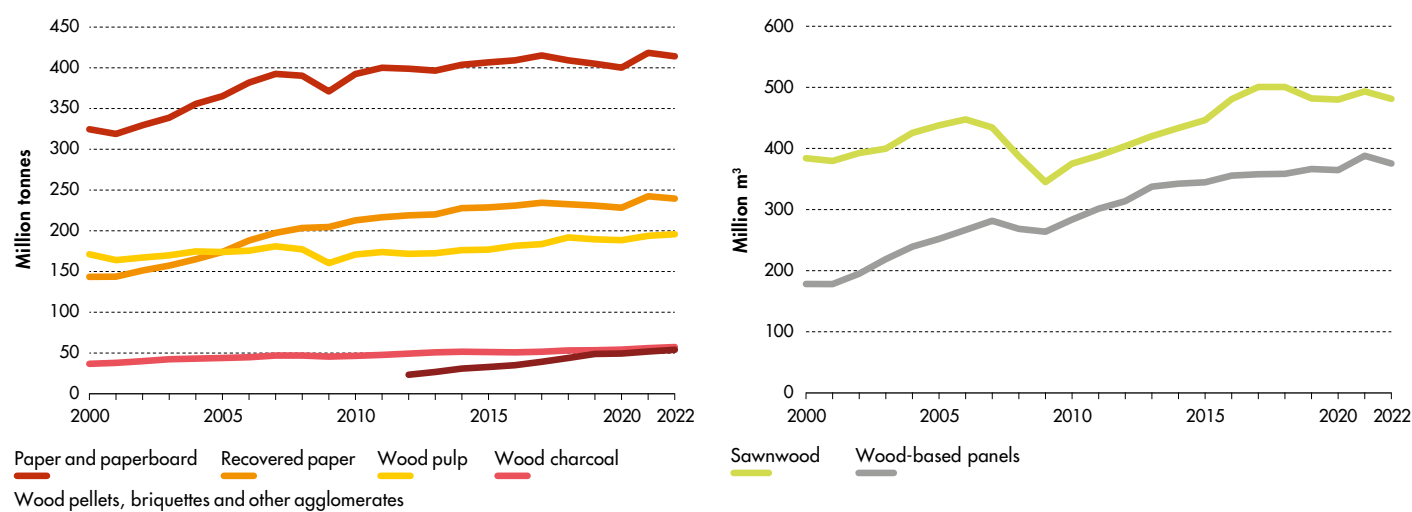
The main industrial roundwood producers are all countries with a large forest area and a well-established logging industry. In the case of coniferous industrial roundwood, the top producers in 2022 were the United States of America, with a production

of 306 million m³ (26 percent of the total production), followed by the Russian Federation with 145 million m³ (12 percent) and Canada with 116 million m³ (10 percent). China led the production of non-coniferous industrial roundwood in 2022, with 138 million m³ (16 percent of the global production), followed by Brazil (122 million m³, or 14 percent) and Indonesia (89 million m³, or 10 percent).

Most of the main wood products saw their production decline in 2022 (see **FIGURE 35** and **TABLE 28**) due to global supply chains disruptions, lower consumer demand and new trade restrictions in several countries. The production of paper and paperboard was down by 1 percent from its 2021 peak to 414 million tonnes. Recovered paper production also fell by 1 percent, with a production of 239 million tonnes in 2022. The pandemic contributed to changes in paper demand and production. Many

activities such as education and news consumption were curtailed or moved online, reducing the demand for graphic papers; however, the increase in online shopping and shipping contributed to an increase in the demand and production of other paper and paperboard. In total, between 2000 and 2022, paper and paperboard increased by 28 percent and recovered paper by 67 percent. Wood pulp production increased by 1 percent to 196 million tonnes in 2022 compared with 2021 (and 14 percent compared with 2000). The production of wood charcoal reached 57 million tonnes in 2022, up 56 percent from the 2000 level. Wood pellets, briquettes and other agglomerates, for which data collection was started in 2012, show steady growth with a production record of 54 million tonnes in 2022, an increase of 131 percent since the 23 million tonnes produced in 2012. World production of sawnwood made a strong recovery from its low point in 2009 and, after the 2021 rebound,

FIGURE 35.
WORLD PRODUCTION OF SELECTED FOREST PRODUCTS



Source: FAO. 2023. FAOSTAT: Forestry Production and Trade. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/FO>. Licence: CC-BY4.0.

Download: <https://doi.org/10.4060/cd2971en-fig35>

decreased in 2022 to 481 million m³, up 25 percent compared with 2000 but down 2 percent compared with 2021. The production of wood-based panels, which had grown steadily between 2009 and 2019 and peaked in 2021, dropped by 3 percent in 2022. This decrease is the second largest after the one experienced in 2008. Nevertheless, the 375 million m³ produced in 2022 represent a 111 percent increase from the 2000 production.

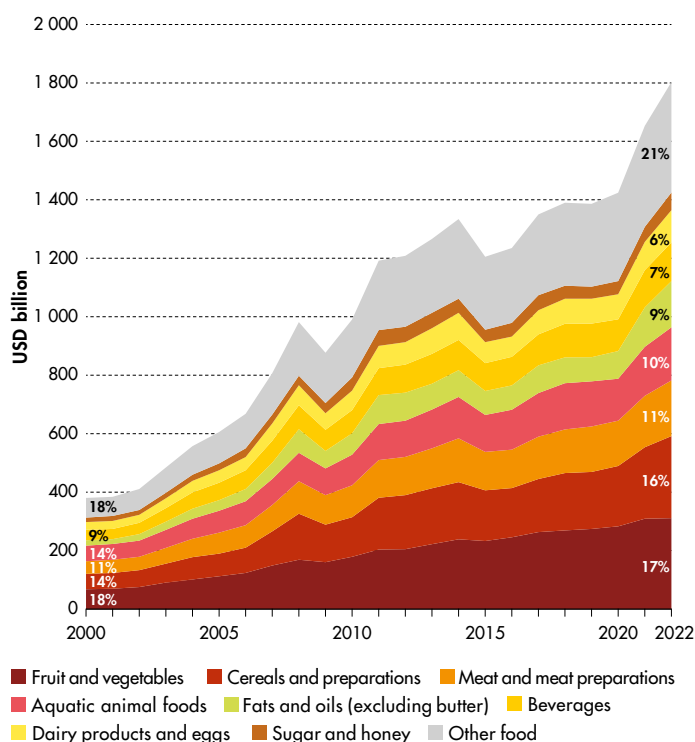
TRADE

The monetary value of global food exports multiplied by 4.7 in nominal terms between 2000 and

2022, from USD 380 billion in 2000 to USD 1.8 trillion in 2022, with significant increases in all food commodity groups, especially fats and oils (see **FIGURE 36**). Fruit and vegetables accounted for 17 percent of the total value of food exports in 2022, followed by cereals and preparations (16 percent). Meat and aquatic animal foods each had a share of 11 percent and 10 percent, respectively. As seen in **TABLE 29**, the United States of America was the largest food exporter in 2022 with 9 percent of the total, followed by Brazil (7 percent) and the Kingdom of the Netherlands (6 percent).

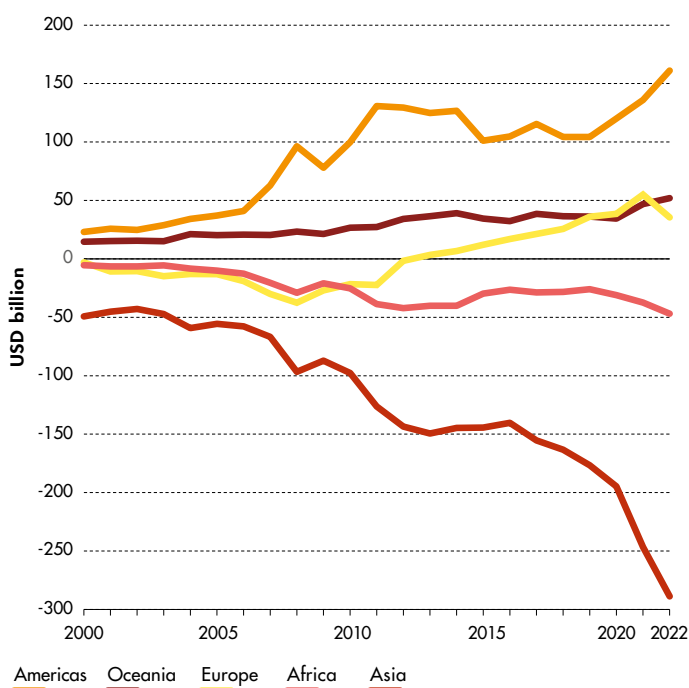
In terms of food net trade, defined as the nominal value of exports minus that of imports, two regions stand out: the Americas as the largest net exporter, with a USD 161 billion surplus in 2022, and Asia as the largest net importer, with a USD 289 billion deficit in 2022 (see **FIGURE 37**). Oceania remained a net exporter of food during the 2000–2022 period and Africa a net importer. Europe was a net importer of food during most of the period but became a net exporter in 2013 and briefly overtook Oceania in 2020 and 2021; notably, its food net trade fell by 35 percent between 2021 and 2022.

FIGURE 36.
VALUE OF WORLD FOOD EXPORTS BY GROUP



Note: Values for aquatic animal foods exclude trade of aquatic mammals, crocodiles, alligators and caimans, fishmeal, fish oil, ornamental fish, fish for culture and algae. Percentages in the figure indicate the shares in the total; they may not tally due to rounding.
Source: FAO. 2023. FAOSTAT: Trade: Crops and livestock products. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/TCL>. Licence: CC-BY-4.0. and FAO. 2024. FishStat: Global aquatic trade - All partners aggregated (1976 - 2022). [Accessed on 15 November 2024]. In: FishStat. https://www.fao.org/fishery/en/collection/global_commodity_prod. Licence: CC-BY-4.0.
Download: <https://doi.org/10.4060/cd2971en-fig36>

FIGURE 37.
FOOD NET TRADE BY REGION



Note: Values for aquatic animal foods exclude trade of aquatic mammals, crocodiles, alligators and caimans, fishmeal, fish oil, ornamental fish, fish for culture and algae.
Source: FAO. 2023. FAOSTAT: Trade: Crops and livestock products. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/TCL>. Licence: CC-BY-4.0. and FAO. 2024. FishStat: Global aquatic trade - All partners aggregated (1976 - 2022). [Accessed on 15 November 2024]. In: FishStat. https://www.fao.org/fishery/en/collection/global_commodity_prod. Licence: CC-BY-4.0.
Download: <https://doi.org/10.4060/cd2971en-fig37>

As seen in **TABLE 30**, the largest net exporting countries in 2022 are Brazil (+USD 105 billion), Argentina (+USD 34 billion) and Indonesia (+USD 28 billion). As shown in **TABLE 29**, Brazil derives a large share of its food exports from soybeans (included in the “Other food” category); Argentina from cereals; and Indonesia from fats and oils. The largest net importing countries are China (–USD 163 billion), Japan (–USD 61 billion) and the United States of America (–USD 47 billion). **TABLE 31** shows that meat accounts for the largest share of China’s and Japan’s food imports, while fruit and vegetables are the United States’ main food import.

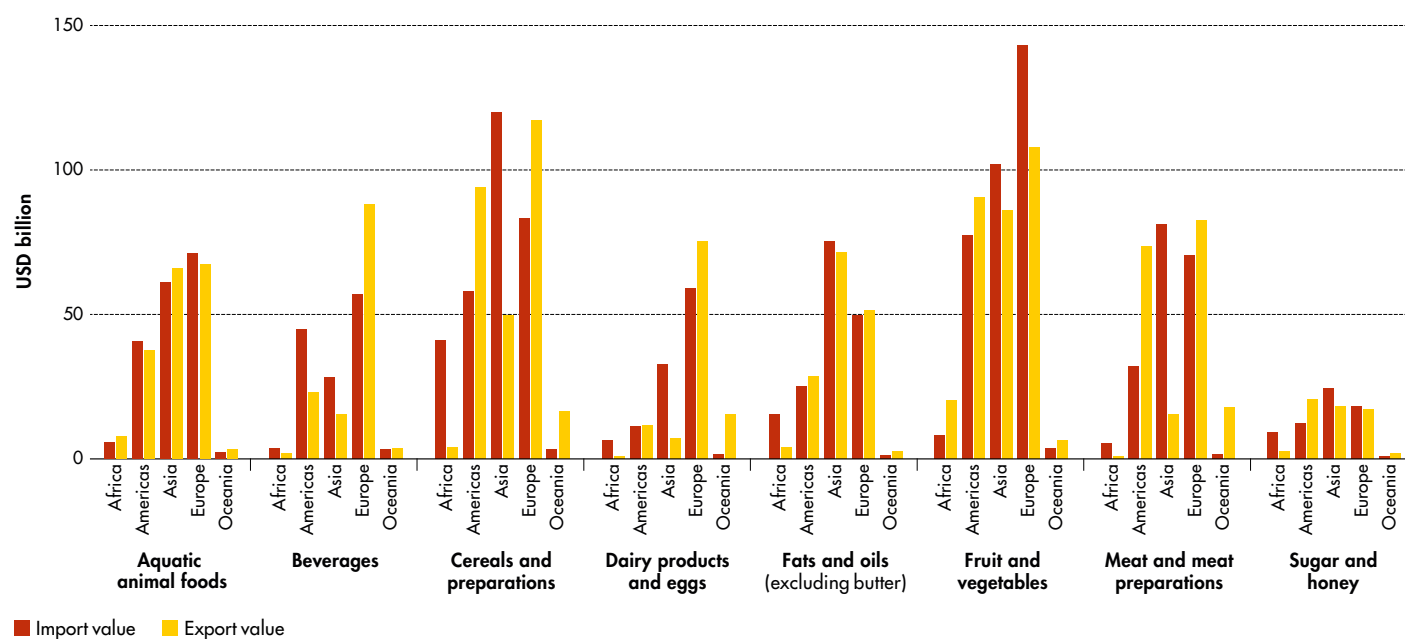
Trade flows vary considerably between regions and commodity

groups (see **FIGURE 38**). The largest individual flows are observed for Europe, as it imported USD 143 billion worth of fruit and vegetables and exported USD 117 billion worth of cereals in 2022. Asia was the top importing region for cereals and preparations, fats and oils, meat and meat preparations, and sugar and honey. For beverages, dairy and eggs, aquatic animal foods, and fruit and vegetables, the main importer was Europe. For all commodity groups but two, Europe was the main exporter; Asia led for fats and oils, and the Americas led for sugar and honey. Cereals and preparations is the commodity group with the largest net trade deficit (USD 70 billion, for Asia), while the largest surplus

is observed for the America’s meat trade (USD 42 billion). In 2022, Asia was a net importer of all commodity groups but aquatic animal foods, and Africa was a net importer of all commodity groups but aquatic animal foods and fruit and vegetables. Oceania was a net exporter of all commodity groups in 2022. The Americas and Europe were net exporters of most groups, but each had significant net imports in one category: the Americas had a deficit of USD 22 billion for beverages and Europe had one of USD 35 billion for fruit and vegetables.

Looking at the quantities instead of the values traded gives a vastly different picture. In that case, cereals are by a wide margin the most traded

FIGURE 38.
FOOD IMPORTS AND EXPORTS MAIN GROUPS AND REGION (2022)



Note: Values for aquatic animal foods exclude trade of aquatic mammals, crocodiles, alligators and caimans, fishmeal, fish oil, ornamental fish, fish for culture and algae.
Source: FAO. 2023. FAOSTAT: Trade: Crops and livestock products. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/TCL>. Licence: CC-BY4.0. and FAO. 2024. FishStat: Global aquatic trade - All partners aggregated (1976 - 2022). [Accessed on 15 November 2024]. In: FishStat. https://www.fao.org/fishery/en/collection/global_commodity_prod. Licence: CC-BY4.0.

commodity group, with exports reaching 503 million tonnes in 2022 (see **FIGURE 39** and **TABLE 32**). This is 242 million tonnes, or 93 percent, more than in 2000. In 2022, maize was the most exported cereal (42 percent), ahead of wheat (37 percent). Together with rice (11 percent), these three crops accounted for 90 percent of all cereal exports in 2022, with the exports of maize growing much faster (+154 percent) than those of rice (+138 percent) and wheat (+59 percent) since 2000.

For each of the main traded cereals, exports tend to originate from a few countries, while imports are more dispersed (see **FIGURE 40**).¹⁵ In 2022, the top three exporters accounted for significant shares of the total exports: 66 percent for maize, 63 percent for rice and 37 percent for wheat. In comparison, the top three importers accounted for 16 to 28 percent of the total

imports for these commodities. The main producers tend to also feature among the main exporters. China stands out as a major producing country focusing on domestic demand since its exports are fairly small compared to its production (see **TABLE 20** and **TABLE 32**); it is also the largest importer of maize, wheat and rice.

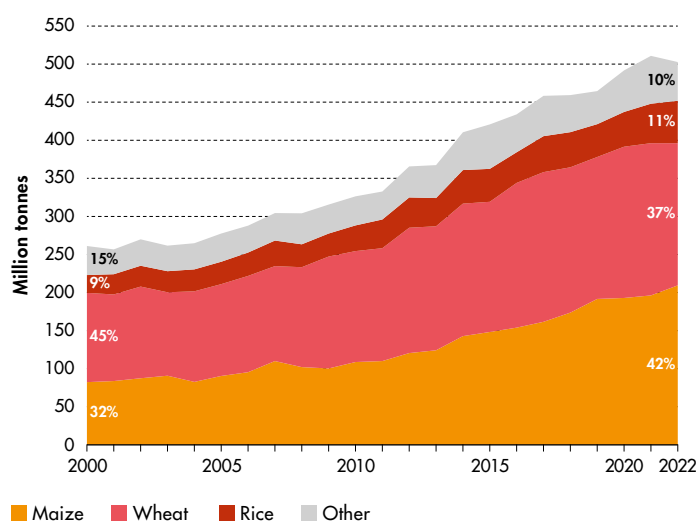
After surging by 30 percent in 2021, the nominal value of global forest products exports increased by a more modest 5 percent in 2022 to a record high of USD 309 billion. This represents an increase of USD 164 billion, or 113 percent, compared with 2000, and an increase of USD 83 billion, or 36 percent, from the low point of 2020 (see **FIGURE 41** and **TABLE 34**). With 39 percent of the total value, paper and paperboard was the most traded commodity in 2022, even though its share has declined from 48 percent in

2000. Sawntwood, wood-based panels and pulp for paper each represented 14 to 17 percent of the value of forestry exports in 2022; the shares of sawntwood and pulp for paper remained stable, while that of wood-based panels went from 10 percent in 2000 to 15 percent in 2022.

PRICES

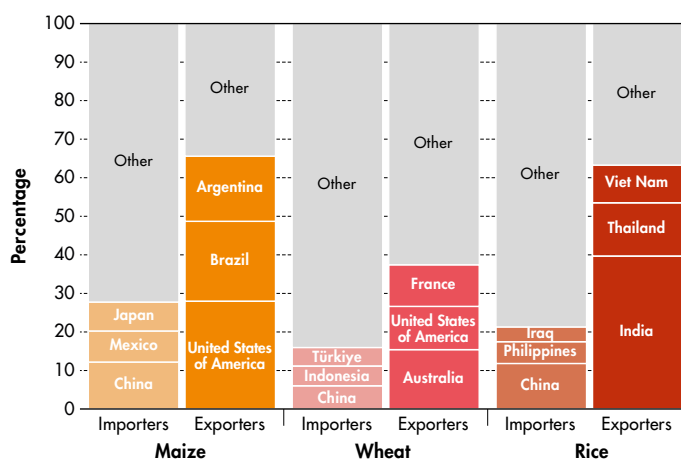
The Food and Agriculture Organization of the United Nations (FAO) Food Price Index, which measures the monthly change in international prices of a basket of food commodities, consists of the average of five commodity group price indices (cereals, dairy, meat, oils and sugar), weighted with the average export shares of each of the groups for 2014–2016. Since January 2000, it went up 68.1 points to 120.7 points in August 2024 (see **FIGURE 42** and **TABLE 35**). The FAO Food Price Index spiked in 2007/2008 during the food security

FIGURE 39.
WORLD EXPORTS OF CEREALS BY MAIN COMMODITIES



Note: Percentages in the figure indicate the shares in the total; they may not tally due to rounding.
Source: FAO. 2023. FAOSTAT: Trade: Crops and livestock products. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/TCL>. Licence: CC-BY4.0.
Download: <https://doi.org/10.4060/cd2971en-fig39>

FIGURE 40.
MAIN TRADED CEREALS, TOP IMPORTERS AND EXPORTERS (QUANTITIES, 2022)



Source: FAO. 2023. FAOSTAT: Trade: Crops and livestock products. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/TCL>. Licence: CC-BY4.0.
Download: <https://doi.org/10.4060/cd2971en-fig40>

crisis that saw the price of cereals reach record levels, especially rice and wheat. Food prices soared again in late 2010 and early 2011 (especially sugar and dairy). Overall, the period of sustained high prices lasted much longer than in the previous commodity price booms and busts with the return to the pre-surge price levels only five years later, in January 2016. The FAO Food Price Index declined during the early phase of the COVID-19 pandemic, reflecting uncertainties faced by commodity markets. However, it surged between May 2020 and March 2022 to 160.3 points, its highest value ever, due to a combination of factors including the effects of the COVID-19 pandemic on the supply chains, the rebound in activity and demand experienced in 2021, and the disruption to exports of cereals and vegetable

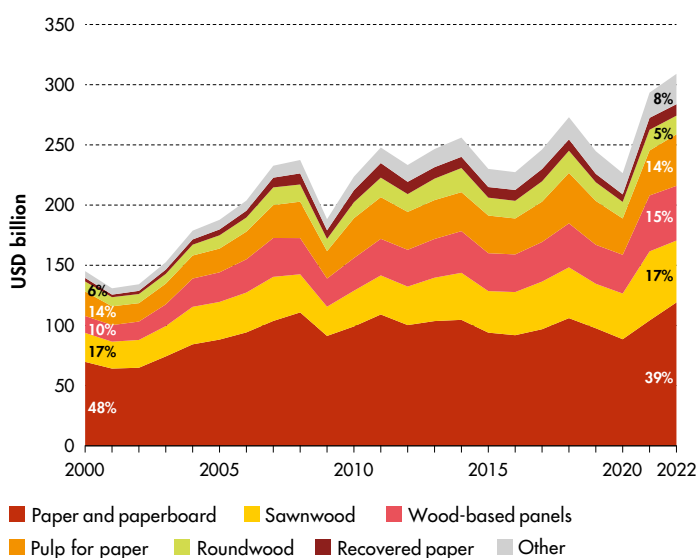
oils from the Russian Federation and Ukraine. The FAO Food Price Index then declined sharply between June 2022 and July 2022 – to a level close to that of February 2022 – and then more slowly, to 117.4 points in February 2024. It has remained around 121 points between May and August 2024.

An important factor to note is that the overall trend of the FAO Food Price Index can mask a wide discrepancy of movements across sectors, as shown in **FIGURE 43**. The market fundamentals of supply and demand, as well as exchange rate dynamics, drive the evolution of international prices. The indices for meat, sugar and dairy show the largest increases since the beginning of 2021. While all indices increased between January 2021 and January 2023, the indices for cereals and oils peaked in the first half of 2022,

as the war in Ukraine reduced the exports from the Russian Federation and Ukraine, both key exporters of wheat and sunflower oil. The resumption of Ukrainian exports and better production prospects contributed to the drop in the indices, which continued until August 2024 for cereals. The index for sugar remained on a high plateau between April and November 2023, fell sharply in December 2023, and slowly declined until August 2024. The indices for meat, oils and dairy have been on the rise since the beginning of 2024.

The FAO Fish Price Index measures the monthly changes in international prices of a basket of fisheries and aquaculture commodities. The index consists of the average of five commodity group price indices (whitefish, salmon, tuna, other pelagic fish and shrimps) weighted

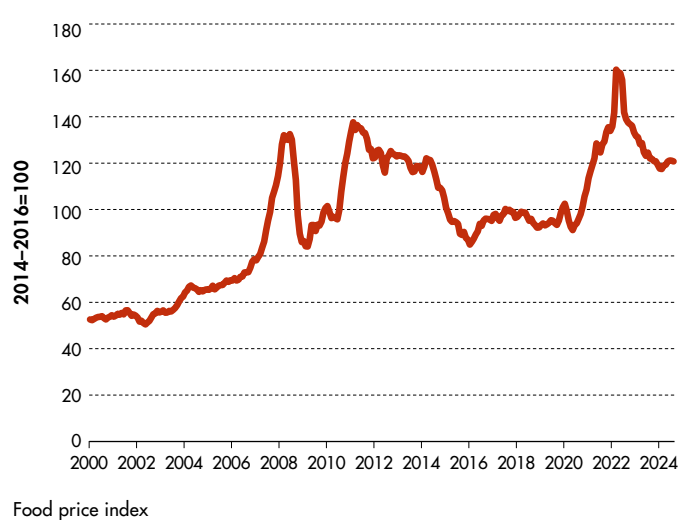
FIGURE 41.
VALUE OF WORLD FOREST PRODUCT EXPORTS



Note: Percentages in the figure indicate the shares in the total; they may not tally due to rounding.
Source: FAO. 2023. FAOSTAT: Forestry Production and Trade. [Accessed on 15 November 2024].
<https://www.fao.org/faostat/en/#data/FO>. Licence: CC-BY-4.0.

Download: <https://doi.org/10.4060/cd2971en-fig41>

FIGURE 42.
FAO FOOD PRICE INDEX, WORLD (2014-2016=100)



Food price index

Source: FAO. 2024. FAO Food Price Index. In: FAO. Rome. [Cited 15 November 2024].
<https://www.fao.org/worldfoodsituation/foodpricesindex/en/>

Download: <https://doi.org/10.4060/cd2971en-fig42>

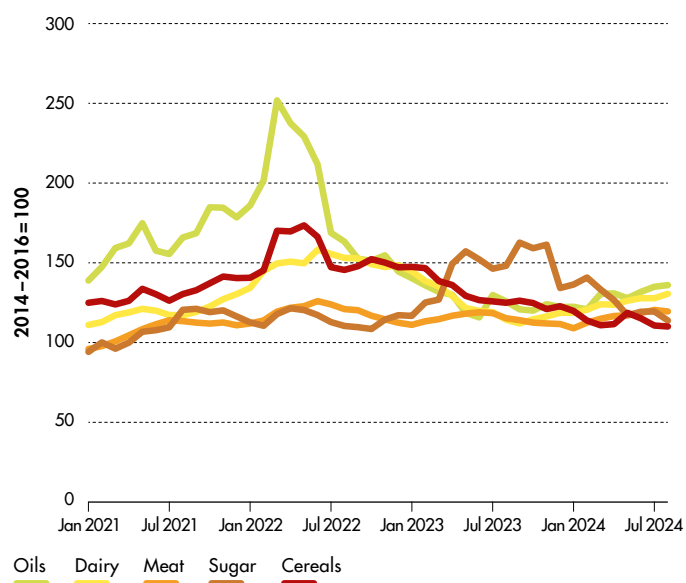
by the average export shares of each of the groups for the 2014–2016 period. Since January 2000, it went up from 65.5 to 108.9 points in August 2024. However, it did not grow gradually over time but showed several periods of expansion and contraction (see **FIGURE 44**). Being an average, the index masks wide differences among species and across the aquaculture and capture fisheries sector, in addition to the dynamics of supply and demand and exchange rates. Over the first eight months of 2024, the subindex associated with pelagic fish experienced an increase compared with the same period in 2023, while all the other subindices were down.

At the country level, changes in domestic prices received by agricultural producers varied

between –10 percent (in Botswana) and +35 percent (in Hungary) in 2023 compared with 2022 (see **FIGURE 45** and **TABLE 36**). The largest increases took place in Europe and Asia. Many factors can affect producer prices, including favourable or poor harvests compared to the previous year, production costs, market structure, subsidy schemes and external factors – as is the case, for instance, of economic sanctions against the Islamic Republic of Iran in 2018. The characteristics of the food supply chain (including the transformation of goods and the incorporation of services along the chain) play a key role in shaping the transmission of price shocks between producers and consumers. They can explain different rates of change in producer prices compared to consumer prices.

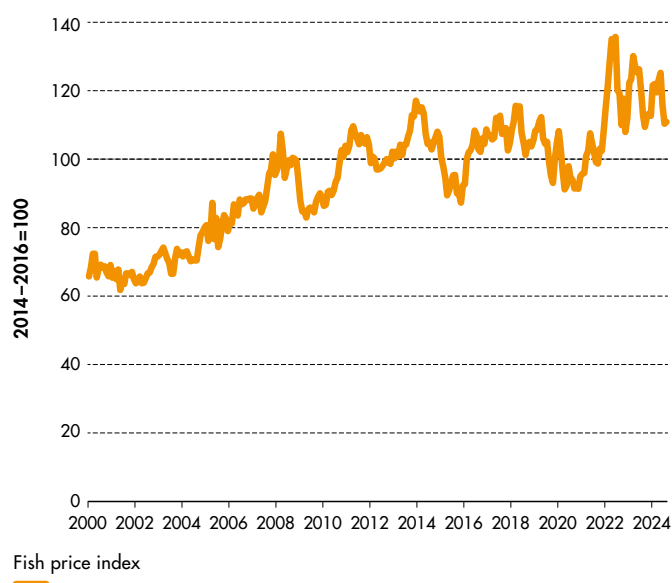
Food consumer price inflation fell sharply in all regions following the historically high levels reached in December 2022–January 2023, returning by June 2024 to values similar to or lower than those observed in 2021 (see **FIGURE 46**). The world average fluctuated around 2.7 percent between January 2018 and July 2021, remaining above 4.0 percent at the beginning of the COVID-19 pandemic in April and May 2020. It then increased steeply from 3.0 percent in July 2021 to 14.5 percent in January 2023 due to higher demand (as the global economy bounced back from the pandemic) combined with persisting supply chain disruptions exacerbated by the war in Ukraine. Some of these tensions have eased and demand has slowed down as central banks around the world raised

FIGURE 43.
FAO FOOD COMMODITY PRICE INDICES, WORLD (2014–2016=100)



Source: FAO. 2024. FAO Food Price Index. In: FAO. Rome. [Cited 15 November 2024].
<https://www.fao.org/worldfoodsituation/foodpricesindex/en/>
Download: <https://doi.org/10.4060/cd2971en-fig43>

FIGURE 44.
FAO FISH PRICE INDEX, WORLD (2014–2016=100)



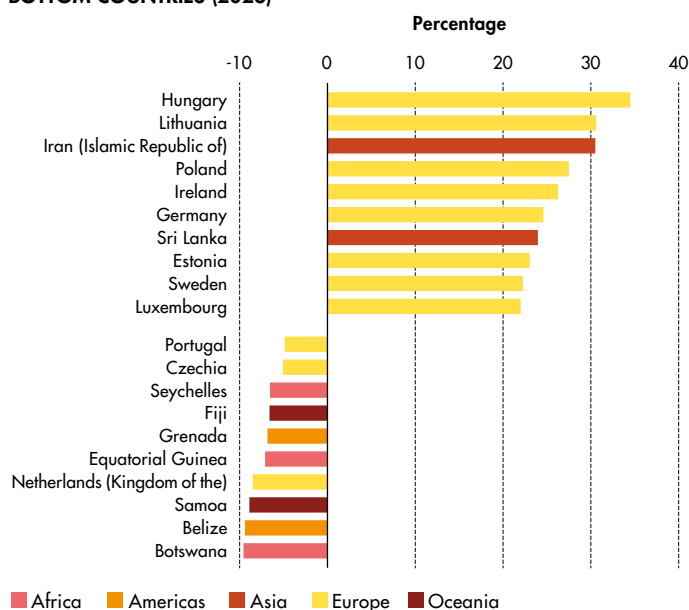
Source: FAO. 2024. FAO Fish Price Index. In: FAO. [Cited 15 November 2024].
<https://www.fao.org/fishery/en/fishstat/fishpriceindex>
Download: <https://doi.org/10.4060/cd2971en-fig44>

their interest rates, leading the world average to fall to 1.8 percent in June 2024. The food inflation rate in Europe experienced the largest increase among all regions, from nearly zero in mid-2021 to 19.7 percent in December 2022; it then fell to 1.8 percent in June 2024.

The trajectories observed in Oceania, the Americas and Africa are similar, as food inflation in these regions accelerated in 2022 to reach record-high levels of around 13–17 percent by January 2023 followed by a sharp drop during the first half of 2023.

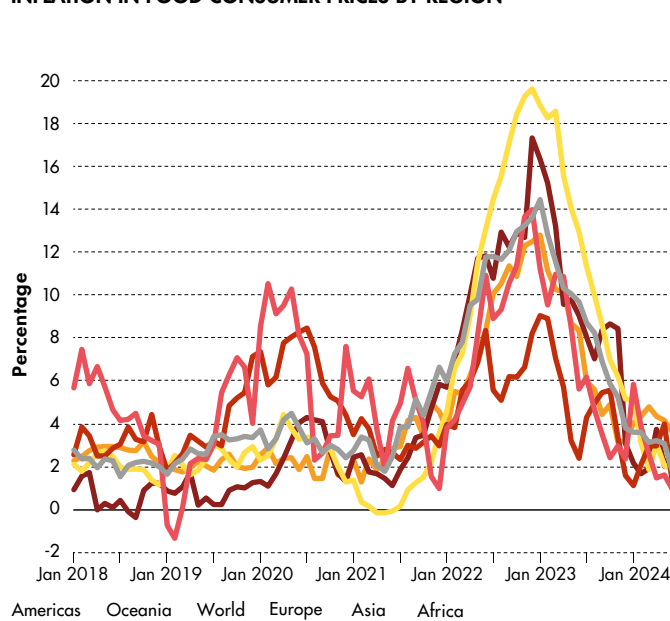
The trend in Asia is different, as food inflation rose to 8.3 percent in June 2022, fell during the following two months, reached 9.0 percent in January 2023 and then alternated between short periods of increase and decrease, falling to 1.3 percent in June 2024.

FIGURE 45.
ANNUAL CHANGES IN PRICES RECEIVED BY FARMERS, TOP AND BOTTOM COUNTRIES (2023)



Note: Values for 2023 are projections based on nowcasts.
Source: FAO. 2024. FAOSTAT: Producer prices. [Accessed on 15 November 2024].
<https://www.fao.org/faostat/en/#data/PP>. Licence: CC-BY-4.0.
Download: <https://doi.org/10.4060/cd2971en-fig45>

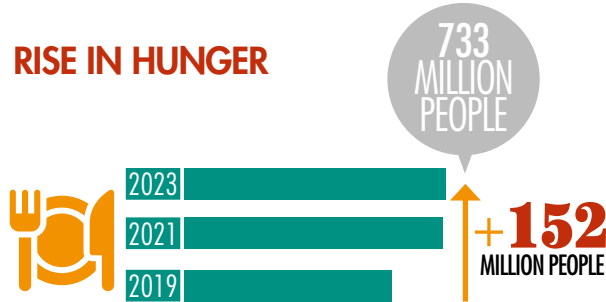
FIGURE 46.
INFLATION IN FOOD CONSUMER PRICES BY REGION



Note: The median is used to compute the global and regional aggregates.
Source: FAO. 2024. FAOSTAT: Consumer Price Indices. [Accessed on 15 November 2024].
<https://www.fao.org/faostat/en/#data/CP>. Licence: CC-BY-4.0.
Download: <https://doi.org/10.4060/cd2971en-fig46>

CHAPTER 3 KEY FACTS

RISE IN HUNGER



Global hunger, measured by the prevalence of undernourishment, has persisted at nearly the same level from 2021 to 2023, affecting 9.1% of the population in 2023, or 733 million people. This is 152 million more people than in 2019, before the COVID-19 pandemic.

PREVALENCE OF UNDERNOURISHMENT



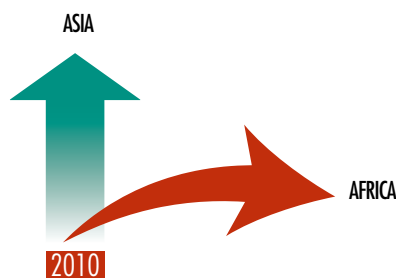
While most of the undernourished people live in Asia, Africa has the highest prevalence of undernourishment.

GENDER GAP IN FOOD INSECURITY



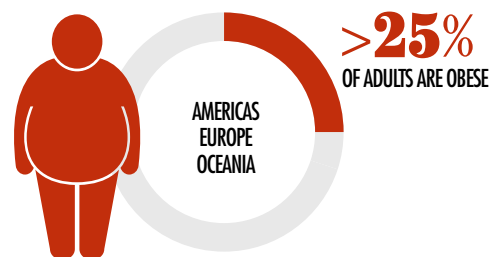
In every continent, the prevalence of moderate or severe food insecurity is slightly higher for women than for men, with the largest differences found in Latin America and the Caribbean.

DIETARY ENERGY SUPPLY



Since 2010, dietary energy supply increased the fastest in Asia, while it remained unchanged in Africa.

INCREASE IN OBESITY



Obesity has increased in all regions. More than one in four adults in the Americas, Europe and Oceania were obese in 2022.

3 FOOD SECURITY AND NUTRITION

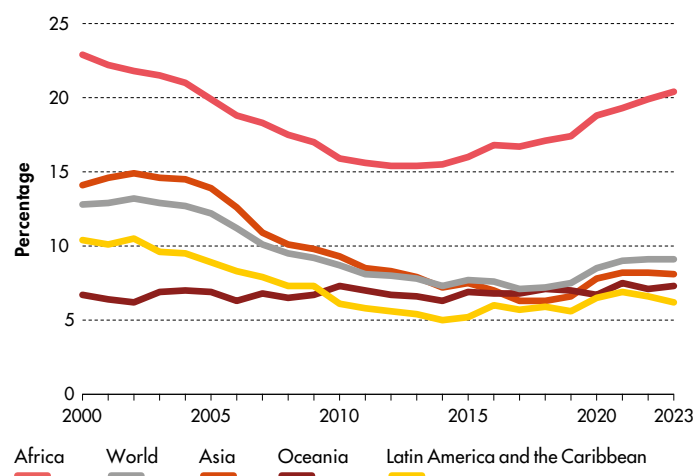
FOOD SECURITY

After a decades-long decline and five years of relative stability since 2014, the global level of the prevalence of undernourishment (PoU), which had increased sharply in 2020 and more slowly in 2021, persisted at nearly the same level from 2021 to 2023 (see **FIGURE 47** and **TABLE 38**). Hunger affected 9.1 percent of the world population in 2023, which is far above the pre-COVID-19 pandemic level of 7.5 percent estimated for 2019. The PoU is the highest in Africa and kept increasing in 2023 to

20.4 percent, at roughly the same pace as in 2021 and 2022. From 2022 to 2023, the PoU declined in two regions, marginally in Asia (to 8.1 percent) and notably in Latin America and the Caribbean (to 6.2 percent), following steep increases from 2019 to 2021. This indicates progress in the trend of hunger in both regions, although the PoU in Asia remained the second highest among all regions. The PoU in Oceania, which had remained relatively stable between 2015 and 2019, increased to 7.3 percent in 2023.

Between 713 and 757 million people in the world faced hunger in 2023. Considering the middle point of the projected range (almost 733 million), this is equivalent to 152 million more people facing hunger in 2023 than in 2019 (see **FIGURE 48**). While its PoU is the second highest, Asia is home to 52 percent of the world's undernourished people due to its large population base, and the two countries with the largest number of undernourished people are in Asia (see **TABLE 39**). Even though the number of people facing hunger in

FIGURE 47. PREVALENCE OF UNDERNOURISHMENT BY REGION

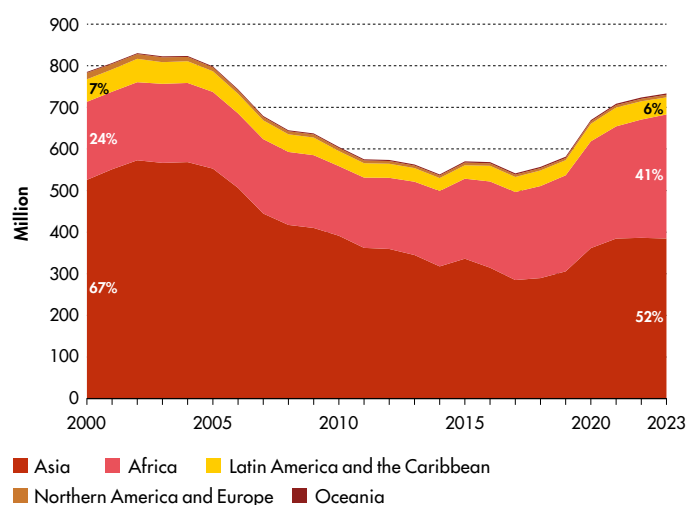


Note: The prevalence of undernourishment for Northern America and Europe is estimated to be less than 2.5 percent. The values for 2023 are projections based on nowcasts.

Source: FAO. 2024. FAOSTAT: Suite of Food Security Indicators. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/FS>. Licence: CC-BY4.0.

Download: <https://doi.org/10.4060/cd2971en-fig47>

FIGURE 48. NUMBER OF PEOPLE UNDERNOURISHED BY REGION



Note: Percentages in the figure indicate the shares in the total; they may not tally due to rounding. The values for 2023 are projections based on nowcasts.

Source: FAO. 2024. FAOSTAT: Suite of Food Security Indicators. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/FS>. Licence: CC-BY4.0.

Download: <https://doi.org/10.4060/cd2971en-fig48>

Asia declined by 2 million between 2022 and 2023, it still went up 79 million between 2019 and 2023 to 385 million. In Africa, 298 million people were undernourished in 2023 (41 percent of the global total), an increase of 14 million people from 2022 and 67 million from 2019. By contrast, the undernourished population in Latin America and the Caribbean decreased by 2.9 million from 2022 to 41 million in 2023, which is 4.7 million higher than the 2019 level. The number of people facing hunger in Oceania increased by 0.1 million people between 2022 and 2023, and by 0.2 million people between 2019 and 2023.

In 2023, 10.7 percent of the world population (864.1 million people) was affected by severe food insecurity based on the Food Insecurity Experience Scale (FIES) (see **FIGURE 49**). The

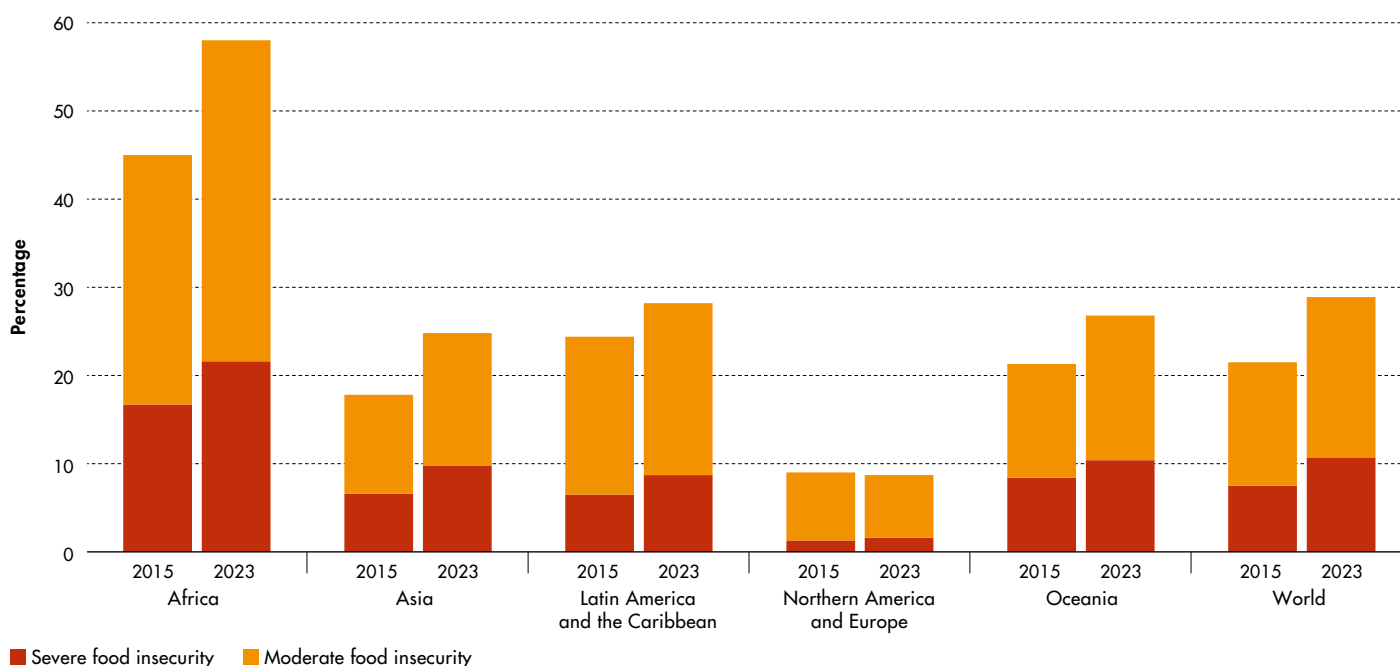
levels and trends since 2015 are broadly consistent with those of the PoU, confirming that these two indicators complement each other as they both measure the extent of severe food deprivation. As one of the official Sustainable Development Goal (SDG) indicators, the prevalence of moderate or severe food insecurity provides additional information on people who do not have regular access to nutritious and sufficient food, even if they are not necessarily suffering from hunger. In 2023, an estimated 28.9 percent of the world population, or 2.33 billion people, has experienced food insecurity at moderate or severe levels.

Similar to the PoU, moderate or severe food insecurity experienced a steep increase between 2019 and 2020 (greater

than that of the previous five years combined) and has remained virtually unchanged since then.¹⁶ As seen in **TABLE 40**, moderate or severe food insecurity is much higher in Africa than in any other part of the world, affecting 58.0 percent of the population in 2023. This is followed by Latin America and the Caribbean (28.2 percent), Oceania (26.8 percent), Asia (24.8 percent) and Northern America and Europe (8.7 percent).

FIES data collected by FAO since 2014 in more than 140 countries at the individual (rather than household) level provide a unique opportunity to produce gender-disaggregated estimates for the prevalence of food insecurity in the adult population. In Asia, Latin America and the Caribbean, Northern America and Europe,

FIGURE 49.
FOOD INSECURITY LEVELS BASED ON THE FOOD INSECURITY EXPERIENCE SCALE BY REGION



Source: FAO. 2024. FAOSTAT: Suite of Food Security Indicators. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/FS>. Licence: CC-BY-4.0.
Download: <https://doi.org/10.4060/cd2971en-fig49>

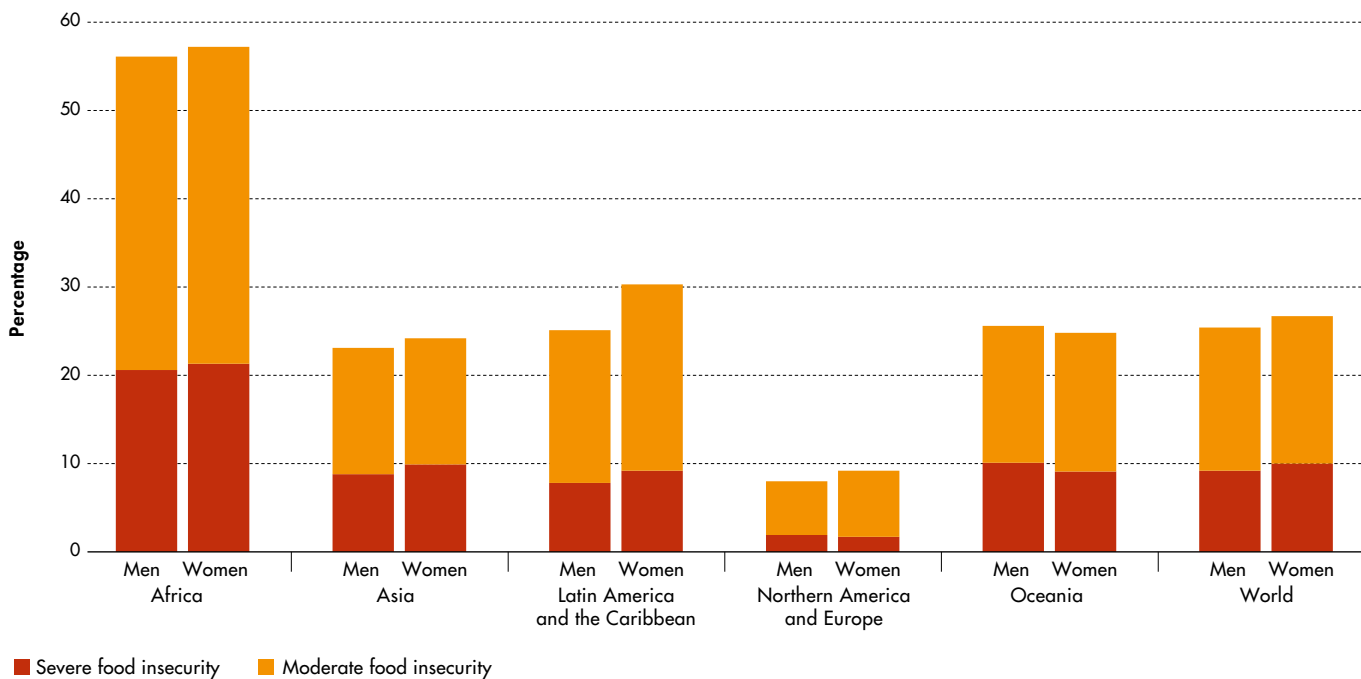
and in the world as a whole, the prevalence of severe food insecurity and of moderate or severe food insecurity is slightly higher in adult women than in adult men – the differences being statistically significant. The largest differences are found in Latin America and the Caribbean (1.4 percentage points for severe food insecurity and 5.2 percentage

points for moderate or severe food insecurity). This gender gap, which had widened in the world and most regions between 2019 and 2021, has been narrowing since 2022.

As the FIES data collected starting in 2022 were georeferenced, the prevalence of food insecurity in the adult population can also be

disaggregated by Degree of Urbanization (DEGURBA) between rural, peri-urban and urban areas. At the global level, food security improves as the degree of urbanization increases: moderate or severe food insecurity affected 31.9 percent of adults living in rural areas in 2023 compared with 29.9 percent in peri-urban areas and 25.5 percent in urban areas.¹⁷

FIGURE 50.
FOOD INSECURITY LEVELS BY REGION AND SEX (2023)



Source: FAO. 2024. FAOSTAT: Suite of Food Security Indicators. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/FS>. Licence: CC-BY4.0.
Download: <https://doi.org/10.4060/cd2971en-fig50>

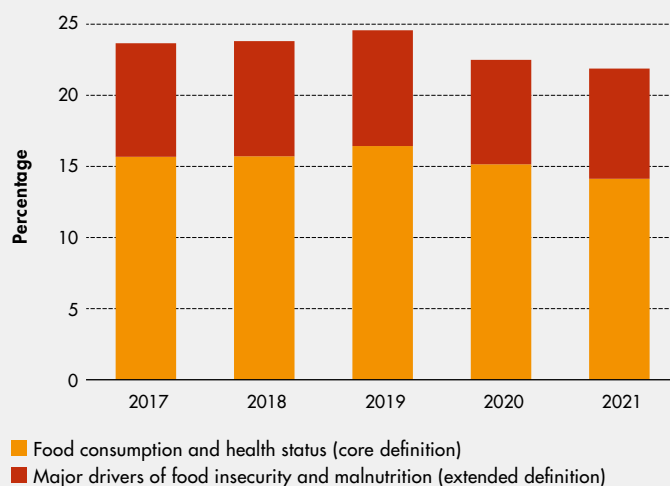
BOX 2.
FOCUS ON FINANCING FOR FOOD SECURITY AND NUTRITION

Meeting Sustainable Development Goal (SDG) Targets 2.1 and 2.2 and ending hunger, food insecurity and malnutrition in all its forms requires increased financing and a more efficient use of existing financing. However, there is no clear definition of financing for food security and nutrition and no clear picture of the financing currently available.

Public spending, official development assistance (ODA), and other official flows (OOF) for food security and nutrition can be tracked, unlike most private investments. The Food and Agriculture Organization of the United Nations (FAO) estimated that the share of global ODA and OOF flows allocated to food security and nutrition in the total between 2017 and 2021 was less than 25 percent and even decreased after a peak in 2019. About two-thirds of the flows are allocated to support food consumption and health, and one-third to address the major drivers of food insecurity and malnutrition.

Source: FAO, IFAD, UNICEF, WFP & WHO. 2024. *The State of Food Security and Nutrition in the World 2024 – Financing to end hunger, food insecurity and malnutrition in all its forms*. Rome. <https://doi.org/10.4060/cd1254en>
Download: <https://doi.org/10.4060/cd2971en-figb2>

FIGURE B2.
SHARE OF OFFICIAL DEVELOPMENT ASSISTANCE AND OTHER OFFICIAL FLOWS FOR FOOD SECURITY AND NUTRITION BY PURPOSE



FOOD SUPPLY

The world average dietary energy supply (DES), measured as calories per capita per day, has been increasing steadily to 2 985 kcal per person per day in 2022, up 5 percent compared with 2010 (see **FIGURE 51**). It is the highest in Europe and the Americas at 3 471 kcal per person per day and 3 392 kcal per person per day, respectively. Oceania had the third largest DES in 2022 (3 101 kcal per person per day) and is the only region showing a decline (of 1 percent) since 2010. The fastest increase took place in Asia, where the DES went up 9 percent since 2010 to 2 944 kcal per person per day. The DES in Africa is the lowest among all regions throughout the period and remained mostly flat. The discrepancies between countries and within regions can be significant: Israel had the highest DES in 2022

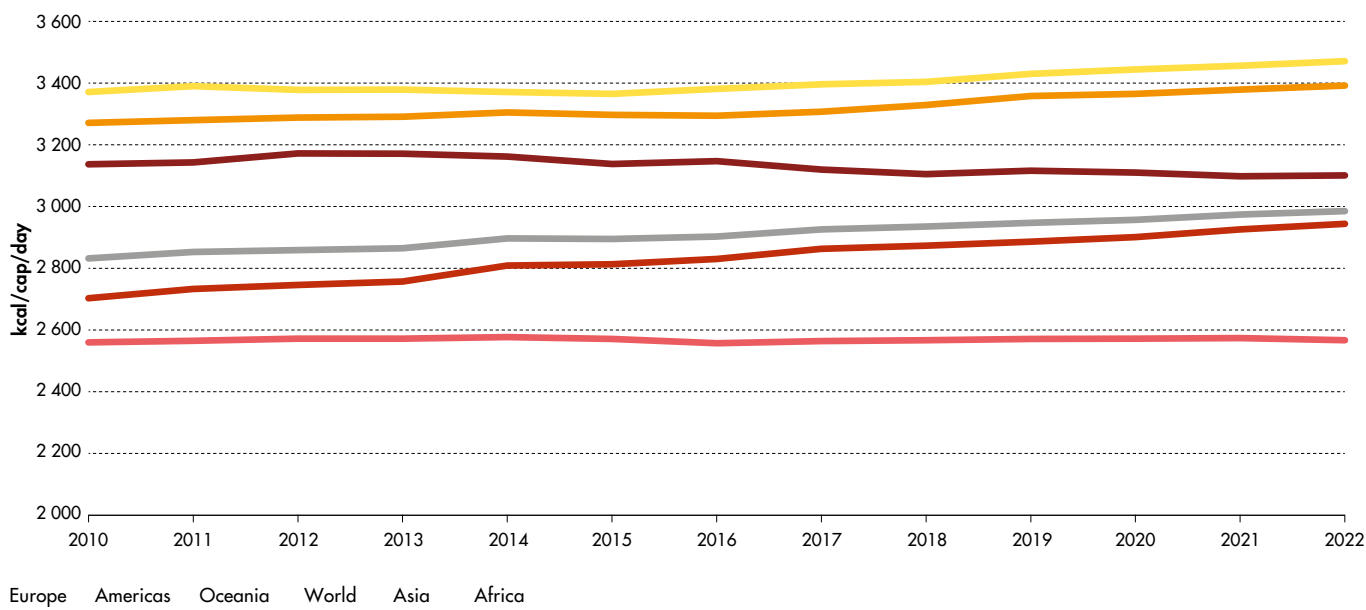
(3 923 kcal per person per day), more than twice that of Burundi, which had the lowest DES in the world (1 755 kcal per person per day), while in the Americas, the DES of Haiti (1 978 kcal per person per day) was nearly half that of the United States of America (3 912 kcal per person per day).

Given the importance of cereals as staple foods worldwide (see **FIGURE 53**) and the discrepancy between consumption and production in many countries, a measure of food security is the cereal imports dependency ratio, defined as the net trade of cereals (imports minus exports) divided by the total cereal supply in a country (the country's own production plus the imports minus the exports). Among the most cereal import-dependent countries in the period from 2020 to 2022 are small island developing states¹⁸

and countries in the Near East, where the natural conditions are not favourable to cereal production (see **FIGURE 52** and **TABLE 43**).

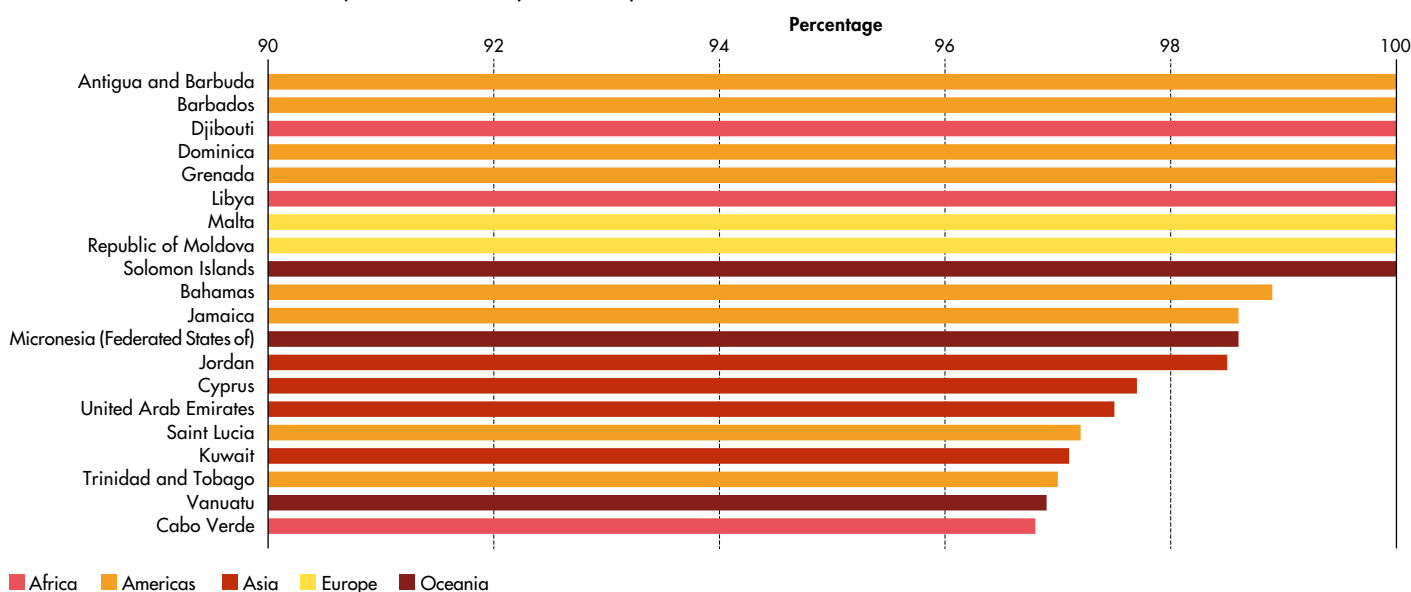
The composition of the dietary energy supply, detailed in food balance sheets,¹⁹ varies greatly between the regions, with some evolutions between 2010 and 2022 (see **FIGURE 53** and **TABLE 44**). Cereals were the most important contributor to the dietary energy supply in all regions (even though their share decreased for the world and most regions), with shares in 2022 ranging from 23 percent in Oceania to 49 percent in Asia. Fats and oils was the second major food group in all the regions except Africa, and their share in the total increased in all regions. Regional specificities include the high share of roots, tubers and pulses in Africa (20 percent versus 8 percent for the

FIGURE 51.
AVERAGE DIETARY ENERGY SUPPLY BY REGION



Source: FAO. 2024. FAOSTAT: Food Balances (2010). [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/FBS>. Licence: CC-BY-4.0.
Download: <https://doi.org/10.4060/cd2971en-fig51>

FIGURE 52.
CEREAL IMPORT DEPENDENCY RATIO, TOP COUNTRIES (2020–2022)



Source: FAO. 2024. FAOSTAT: Suite of Food Security Indicators. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/FS>. Licence: CC-BY-4.0.
Download: <https://doi.org/10.4060/cd2971en-fig52>

world), of sugar in the Americas (14 percent versus 8 percent for the world), and of fats and oils in Oceania, the Americas and Europe (20–21 percent versus 15 percent for the world). Between 2010 and 2022, the most visible changes in the composition of the food supply took place in Asia (where the share of cereals dropped by 4 percentage points while that of fats and oils, fruit and vegetables, and dairy and eggs increased significantly).

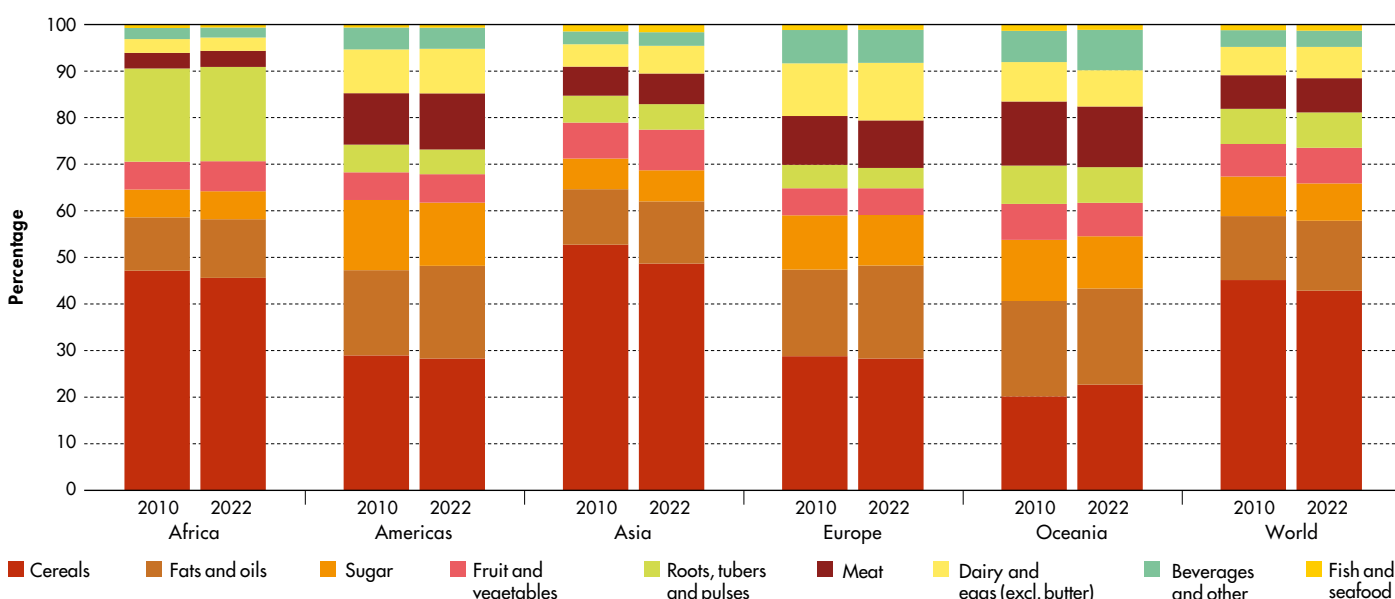
The average protein supply increased in the world and most regions between 2010 and 2022 (see **FIGURE 54** and **TABLE 45**). The growth in Asia (14 percent) was much faster than the world average of 8 percent; the Americas and Europe grew by 5 percent and 3 percent, respectively, while declines were observed in Africa (-1 percent) and Oceania

(-4 percent). The share of protein from animal origin went up across all regions except Africa (where it remained stable) and Oceania (as a consequence of the increased share of meat, fish and seafood, and dairy and eggs in diets shown in **FIGURE 53**): it is highest in Oceania (62 percent) and lowest in Africa (23 percent). Significant disparities also prevail between regions in terms of levels and composition. Protein supply was highest in Europe in 2022, with 112 g per person per day compared with 66 g per person per day for Africa – the primary reason for this is the difference in the availability of protein from animal-sourced foods. In 2022, plants were the main source of protein in Africa (77 percent) and Asia (63 percent) but accounted for 38–39 percent in the Americas, Europe and Oceania.

The average dietary supply adequacy has been increasing steadily since the early 2000s in every region, with Northern America and Europe being the highest and Africa being the lowest (see **FIGURE 55**). In recent years, the average dietary supply adequacy in Africa remained unchanged in line with the trend of the dietary energy supply in the region (see **FIGURE 51**).

Dietary supply adequacy divides a country's average supply of calories for food consumption by the average dietary energy requirement estimated for its population, to measure the adequacy of food supply in terms of calories. Analysed together with the prevalence of undernourishment, it helps identify the cause of undernourishment as mainly due to insufficient food supply or to particularly bad distribution.

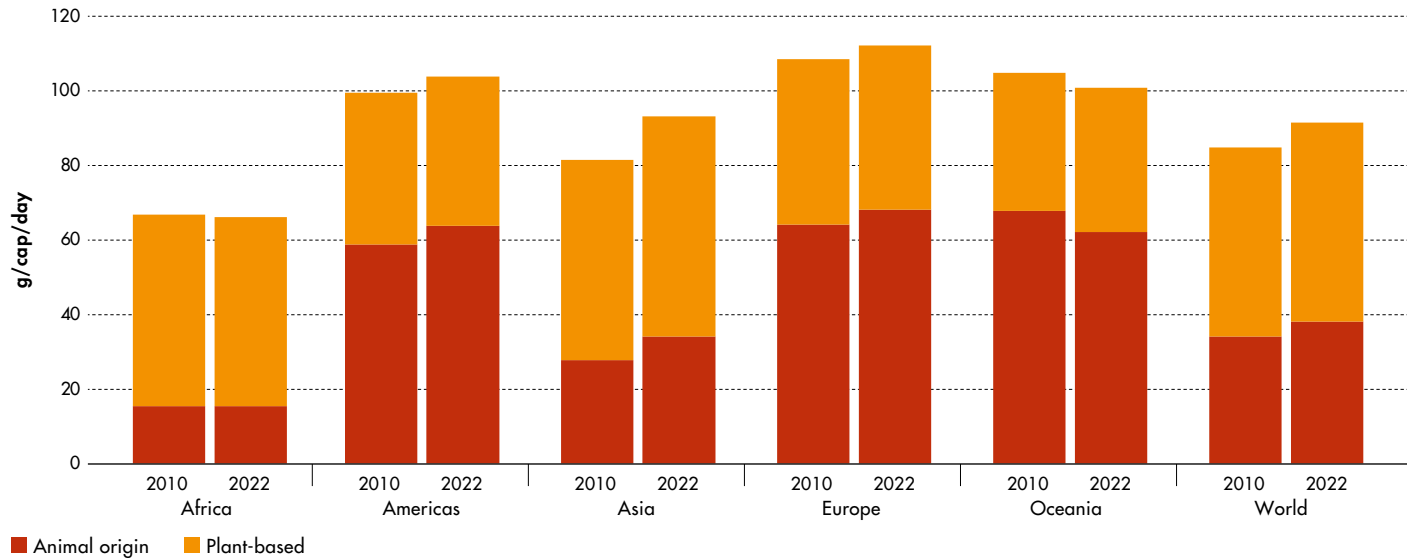
FIGURE 53.
DIETARY ENERGY SUPPLY BY REGION AND COMMODITY GROUP



Source: FAO. 2024. FAOSTAT: Food Balances (2010-). [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/FBS>. Licence: CC-BY-4.0.

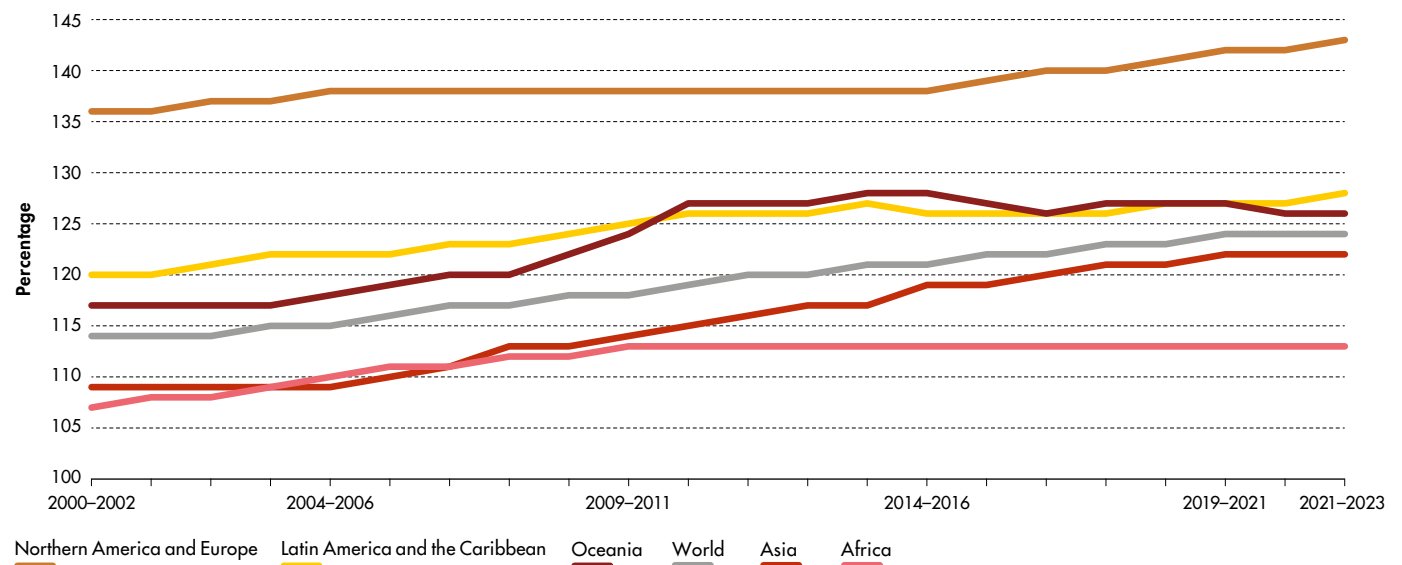
Download: <https://doi.org/10.4060/cd2971en-fig53>

FIGURE 54.
AVERAGE PROTEIN SUPPLY BY REGION AND ORIGIN



Source: FAO. 2024. FAOSTAT: Food Balances (2010-). [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/FBS>. Licence: CC-BY4.0.
Download: <https://doi.org/10.4060/cd2971en-fig54>

FIGURE 55.
AVERAGE DIETARY SUPPLY ADEQUACY BY REGION



Note: The values for 2023 are projections based on nowcasts.
Source: FAO. 2024. FAOSTAT: Suite of Food Security Indicators. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/FS>. Licence: CC-BY4.0.
Download: <https://doi.org/10.4060/cd2971en-fig55>

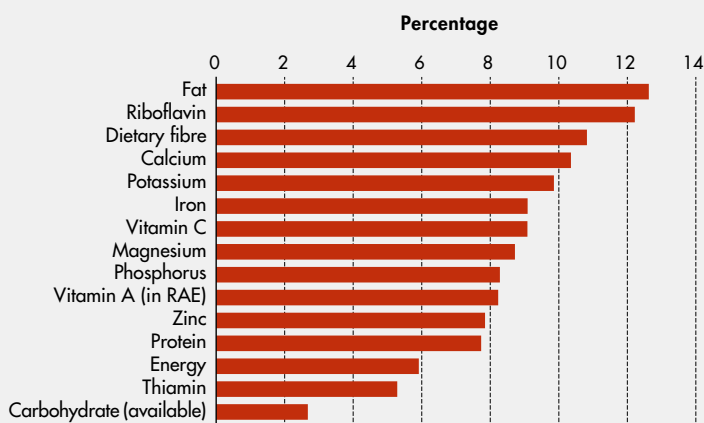
BOX 3.
FOCUS ON THE FOOD AND DIET DOMAIN

Diets are the core link between food systems and their health and nutrition outcomes, and policymakers need to ensure that all parts of the food system work together to enable healthy diets and prevent food insecurity and malnutrition. Robust data on food availability and food consumption are needed to help guide food systems policies. To that end, the Food and Agriculture Organization of the United Nations (FAO) launched in early 2024 the Food and diet domain, the first centralized location for the sharing of statistics on all forms of dietary-related data. Under the domain, a set of four subdomains feature different types of dietary data.²⁰

FIGURE B3, based on the availability data, shows that the global amount of energy and selected nutrients from all food groups (crops, livestock and aquatic products) available for human consumption has increased between 2010 and 2021, although the rate of increase differed from nutrient to nutrient. The global availability of fat and riboflavin (vitamin B2) showed the highest increases, with a 13 percent and 12 percent increase, respectively, followed by dietary fibre (11 percent) and calcium (10 percent).

The Food and diet domain will be further populated with additional statistics as more data become available.

FIGURE B3.
CHANGE IN THE GLOBAL DAILY PER CAPITA AVAILABILITY OF ENERGY AND NUTRIENTS FROM ALL FOOD GROUPS BETWEEN 2010 AND 2021



Note: RAE = retinol activity equivalents
Source: FAO. 2024. FAOSTAT: Availability (Supply utilization accounts). [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/SUA>. Licence: CC-BY4.0.
Download: <https://doi.org/10.4060/cd2971en-figb3>

NUTRITION

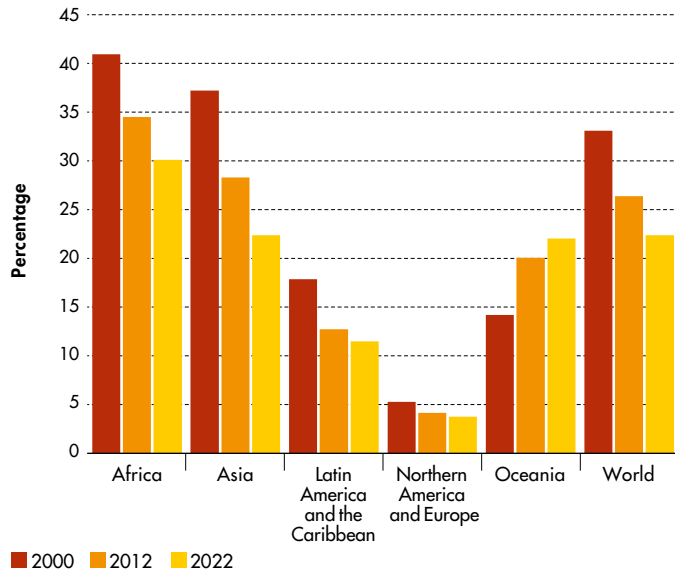
The prevalence of stunting among children under five years of age (as well as the number of stunted children) decreased worldwide from 33 percent in 2000 to 26.3 percent in 2012 and 22.3 percent in 2022 (see **FIGURE 56**). All regions except Oceania show the same declining trend, with a deceleration after 2012. The largest drop took place in Asia, from 37.1 percent in 2000 to 28.2 percent in 2012 and 22.3 percent in 2022. However, this global progress may have disguised a starker situation in some parts of the world. As seen in **TABLE 47**, the prevalence of child stunting was greater than 30 percent in 28 countries in 2022 (the majority in sub-Saharan Africa), which is “very high” according to the World Health Organization, and was above 50 percent in four countries.

Obesity among adults of 18 years and above increased rapidly in every region of the world between 2000 and 2022 (see **FIGURE 57**). In 2022, 15.8 percent of the adult population in the world was obese, an increase from 8.7 percent in 2000. Latin America and the Caribbean and Oceania had the highest prevalence of adult obesity (both at around 30 percent), followed by Northern America and Europe. The prevalence of adult obesity in Africa was just above the world average. Although Asia was the only region below the world average, the prevalence of adult obesity nearly tripled between 2000 and 2022. Overall, the world is not on track to meet the 2030 global target to halt the rise in obesity.

The 20 countries with the highest prevalence of obesity among

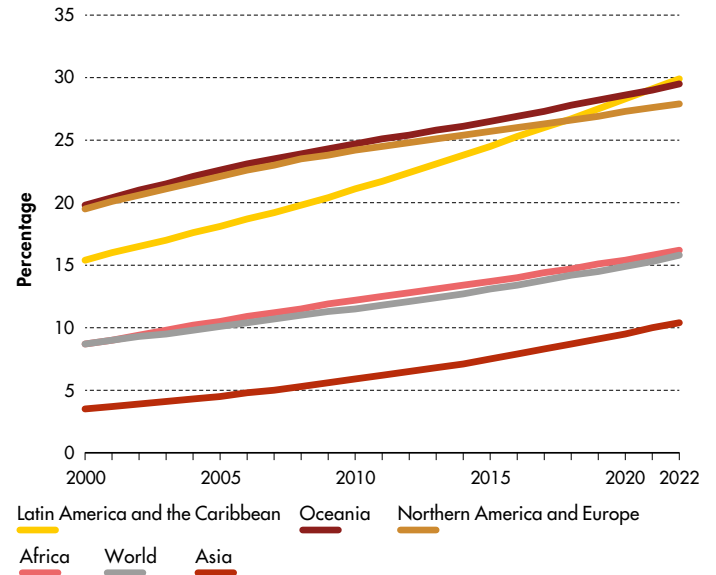
adults in 2022 were mostly in the Pacific Islands, the Caribbean, and the Near East and North Africa. In Tonga (71.7 percent), Nauru (69.9 percent), Tuvalu (64.2 percent) and Samoa (62.4 percent), 60 percent or more of the adult population is obese. While the prevalence of adult obesity in the United States of America is the 13th largest in the world (42.0 percent), the country is home to the largest number of obese adults due to its large population and accounts for one-eighth of the global total.²¹ For many countries shown in **FIGURE 58**, multiple forms of malnutrition coexist: in Egypt, for example, the prevalence of child stunting was 20.4 percent in 2022 (see **TABLE 47**), while the prevalence of adult obesity was 44.3 percent in the same year (see **TABLE 48**).

FIGURE 56.
PREVALENCE OF STUNTING IN CHILDREN UNDER 5 YEARS BY REGION



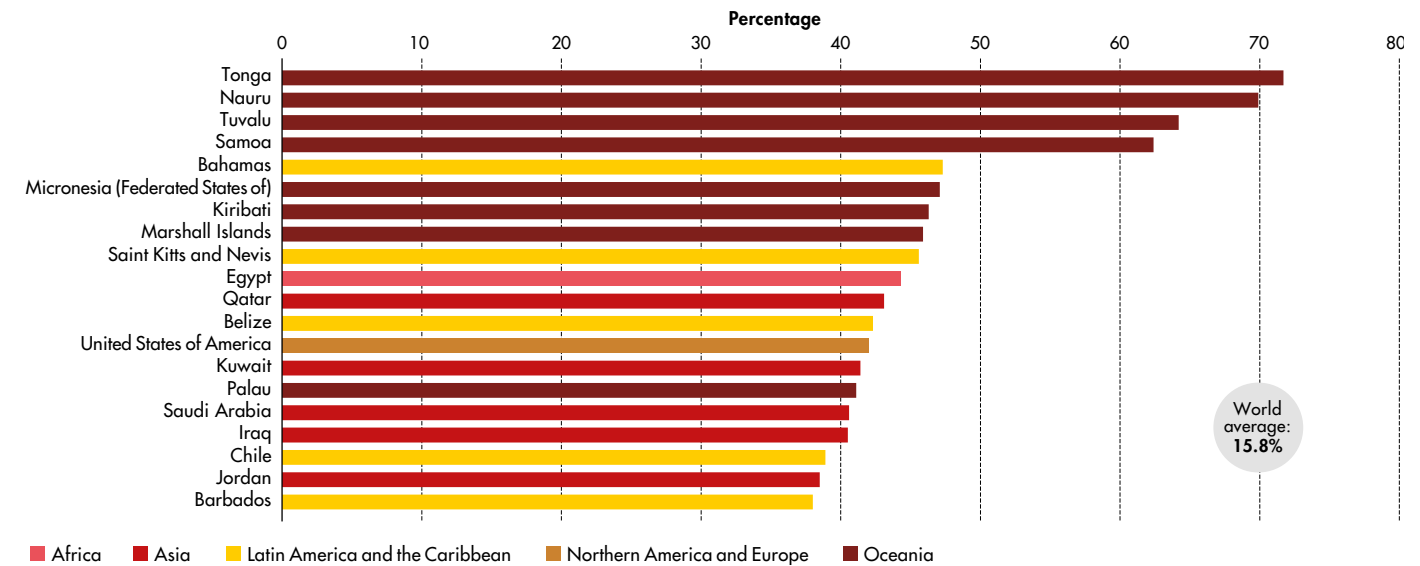
Source: FAO. 2024. FAOSTAT: Suite of Food Security Indicators. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/FS>. Licence: CC-BY-4.0.
Download: <https://doi.org/10.4060/cd2971en-fig56>

FIGURE 57.
PREVALENCE OF OBESITY IN THE ADULT POPULATION BY REGION



Source: FAO. 2024. FAOSTAT: Suite of Food Security Indicators. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/FS>. Licence: CC-BY-4.0.
Download: <https://doi.org/10.4060/cd2971en-fig57>

FIGURE 58.
PREVALENCE OF OBESITY IN THE ADULT POPULATION, TOP COUNTRIES (2022)



Source: FAO. 2024. FAOSTAT: Suite of Food Security Indicators. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/FS>. Licence: CC-BY-4.0.
Download: <https://doi.org/10.4060/cd2971en-fig58>

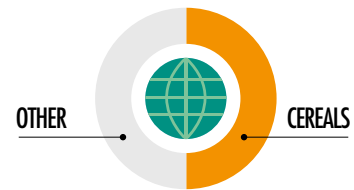
CHAPTER 4 KEY FACTS

AGRICULTURAL AND FOREST LAND DECLINE



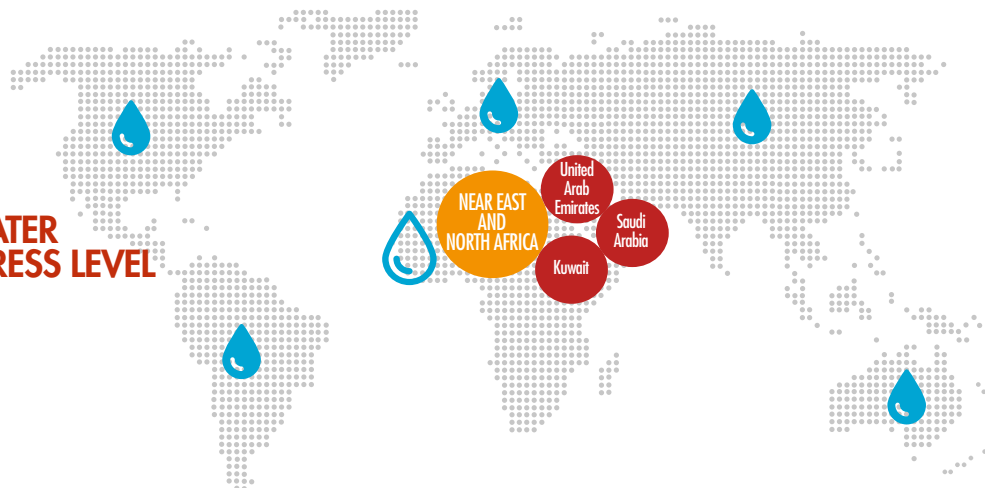
Between 2000 and 2022, agricultural land declined by 91 million ha – roughly half the size of the Sudan – while forest area declined by 109 million ha – about the size of the Plurinational State of Bolivia.

PLANTED HARVESTED AREA



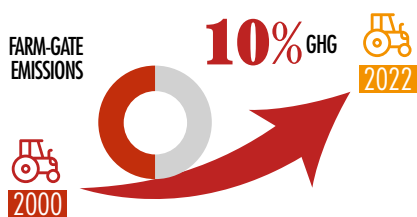
Half the harvested area is planted with cereals.

WATER STRESS LEVEL



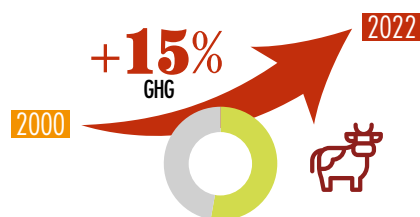
Nearly all countries in the Near East and North Africa have water stress levels close to or above 100%, with the higher shares in Kuwait, the United Arab Emirates and Saudi Arabia.

GREENHOUSE GAS EMISSIONS FROM AGRIFOOD SYSTEMS



Greenhouse gas emissions from agrifood systems grew by 10% between 2000 and 2022. Farm-gate emissions account for nearly half of them.

FARM-GATE GREENHOUSE GAS EMISSIONS



Farm-gate greenhouse gas emissions went up 15% between 2000 and 2022. Around 54% of them are related to livestock.

4 SUSTAINABILITY AND ENVIRONMENTAL ASPECTS OF AGRICULTURE

LAND USE

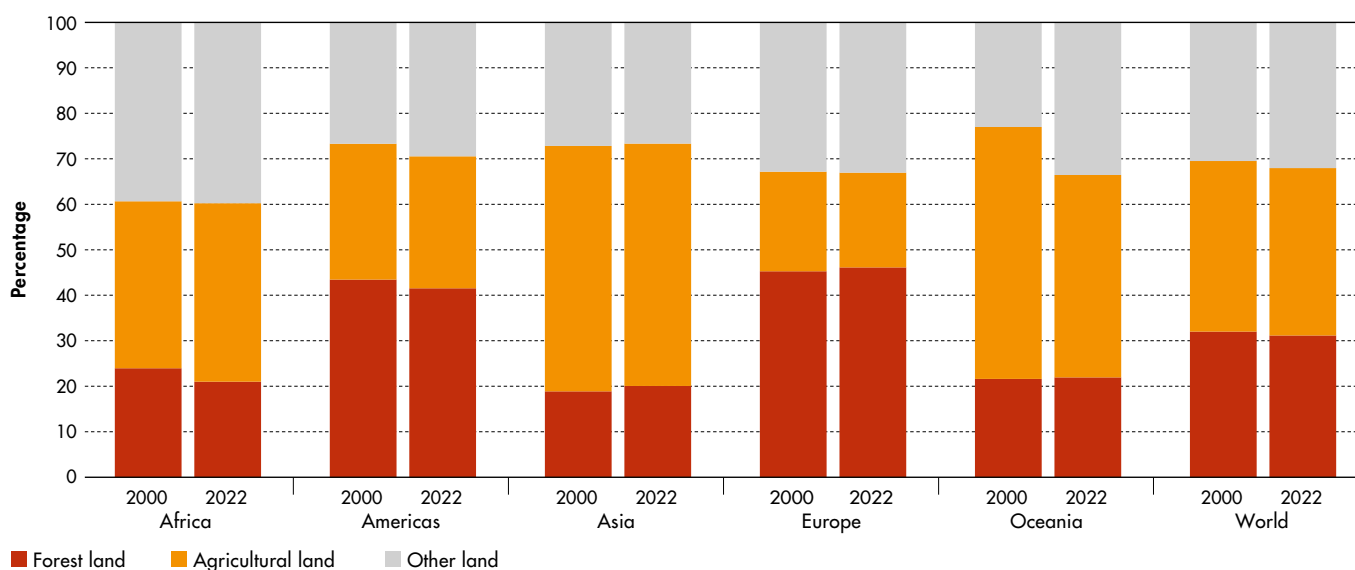
FIGURE 59 shows that the global shares of the three different types of land (agricultural, forest and other) in total land area remained relatively stable from 2000 to 2022 with slight reductions in agricultural land and forest land shares that translated into declines of 91 million ha for agricultural land and 109 million ha for forest land. Within regions, Europe has the largest share of forest land (46 percent), closely followed by the Americas (42 percent), while the other regions are all around 20–22 percent. More than half of all land (53 percent) in Asia is

agricultural land, compared with 45 percent in Oceania, 39 percent in Africa, 29 percent in the Americas and 21 percent in Europe. The conversion of land from one use to another also varied between the regions. Oceania had agricultural land converted to other land. Both Africa and the Americas converted forest land to agricultural land or other land. Europe, Asia and Oceania had forest land expansion coupled with agricultural land reduction from 2000 to 2022 (see **TABLE 49**).

Countries with the highest share of forest area in land area are located

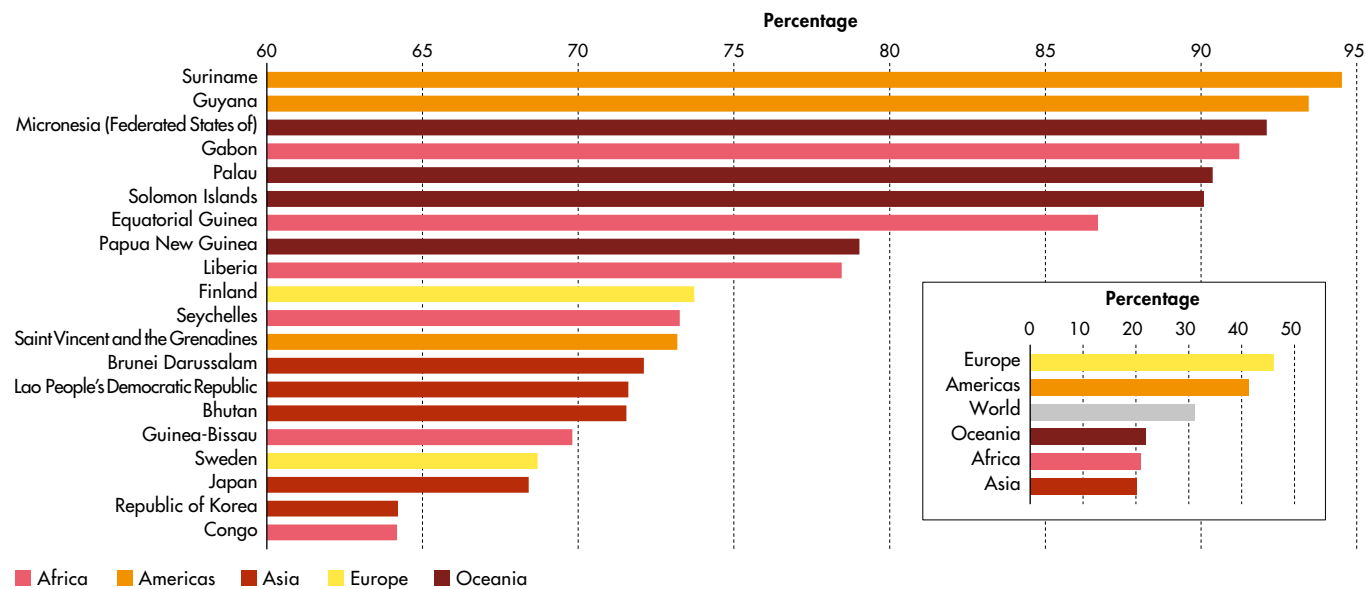
in all regions of the world, mostly the tropical ones; they also tend to be low- and middle-income countries (see **FIGURE 60**). In 2022, forest covered 95 percent of the land area in Suriname, 94 percent in Guyana and 92 percent in the Federated States of Micronesia. The biggest increases in the share of forest area between 2000 and 2022 took place in Viet Nam (+9 percentage points), Cuba (+9 percentage points) and Fiji (+8 percentage points), while the largest decreases in the share of forest area over the same period happened in Paraguay (–19 percentage points),

FIGURE 59.
SHARE OF LAND AREA BY TYPE AND REGION



Source: FAO. 2024. FAOSTAT: Land Use. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/RL>. Licence: CC-BY-4.0.
Download: <https://doi.org/10.4060/cd2971en-fig59>

FIGURE 60.
SHARE OF FOREST AREA IN TOTAL LAND AREA, TOP COUNTRIES (2022)



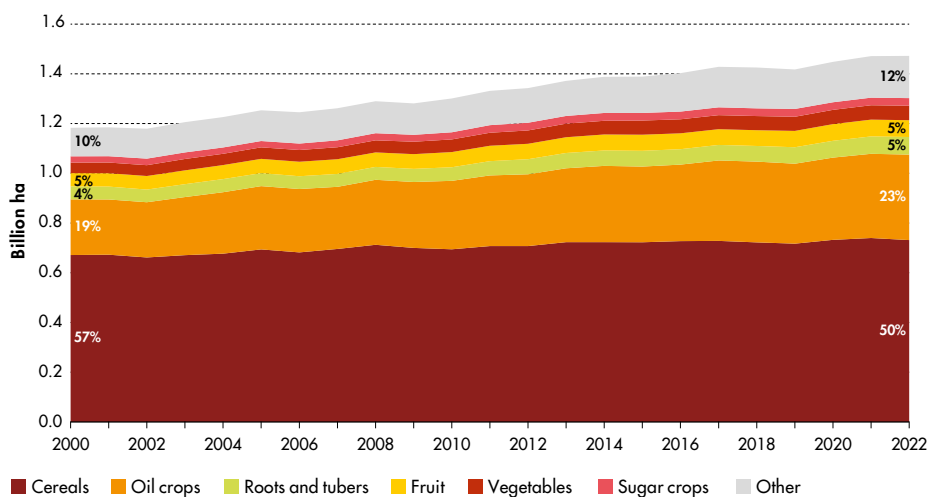
Source: FAO. 2024. FAOSTAT: Land Use. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/RL>. Licence: CC-BY-4.0.
Download: <https://doi.org/10.4060/cd2971en-fig60>

Nicaragua (-18 percentage points) and Cambodia (-17 percentage points), as featured in TABLE 50. In absolute terms, the top country for afforestation was China, with an additional 47 million ha of forest between 2000 and 2022; deforestation was highest in Brazil, as 57 million ha of forest were lost there between 2000 and 2022 (see TABLE 49).

FARMING

The global harvested area of primary crops went up 24 percent between 2000 and 2022 to 1.5 billion ha (see FIGURE 61). Cereals accounted for more than half the world's harvested area during the period, even though their share declined to 50 percent in 2022 (see TABLE 51). Oil crops covered 23 percent of the global harvested area and

FIGURE 61.
WORLD PRIMARY CROPS HARVESTED AREA BY COMMODITY GROUP



Note: Percentages in the figure indicate the shares in the total; they may not tally due to rounding.
Source: FAO. 2024. FAOSTAT: Production: Crops and livestock products. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/QCL>. Licence: CC-BY-4.0.
Download: <https://doi.org/10.4060/cd2971en-fig61>

experienced the fastest growth in both absolute (+120 million ha) and relative terms (+54 percent). The other main crop groups each account for less than 5 percent of the global harvested area. The overall harvested area was virtually stable between 2021 and 2022 after two years of strong growth.

One visible aspect of the efforts to make the agricultural sector more sustainable is the rise of organic agriculture, the main feature of which is its avoidance of synthetic fertilizers and pesticides.²² In 2022, the agriculture area under certified organic status or in conversion to organic was 78 million ha. Australia accounted for 46 percent of the total, followed by India (6 percent), Argentina (4 percent) and China (4 percent). The eight countries with the largest organic agriculture area made

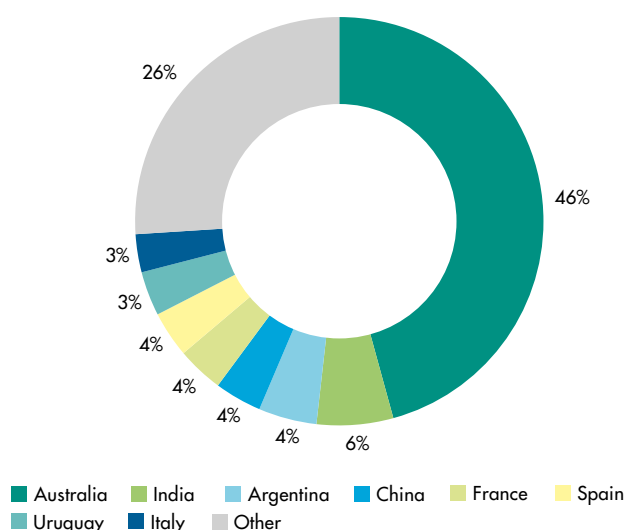
up 74 percent of the global area under certified organic agriculture (see **FIGURE 62** and **TABLE 52**).

Normalizing the agriculture area under certified organic or in conversion to organic, by the agricultural land area, allows for comparison of the importance that countries give to this aspect of sustainable agriculture. **FIGURE 63** shows countries with a sizeable agriculture area; the countries with the highest share of area under organic agriculture in total agriculture area in 2022 are Austria (26 percent), Sweden (20 percent) and Uruguay (19 percent). Fifteen of the top 20 countries are in Europe, highlighting that the region has emphasized the importance of organic agriculture. In other regions, the balance between conventional versus organic farming is still tilted towards the conventional (see **TABLE 53**).

WATER

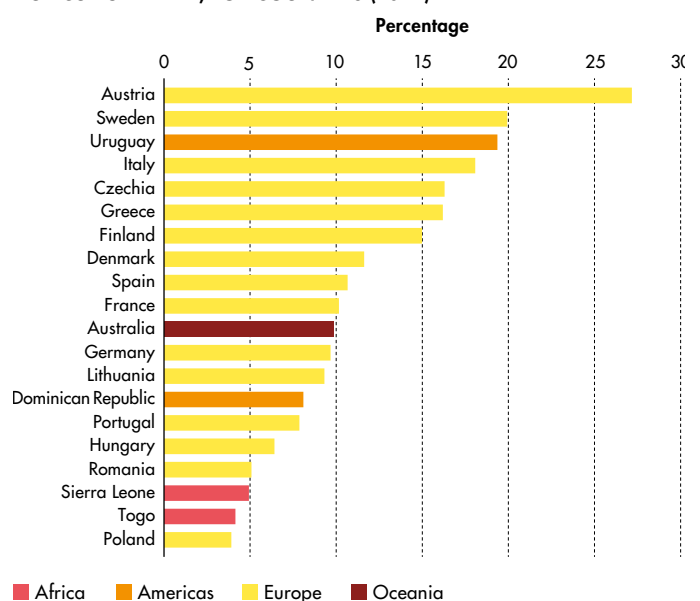
Water stress, defined as the share of freshwater withdrawal in available freshwater resources, after taking into account environmental water requirements, affects predominantly Western and Central Asia as well as Northern Africa (see **FIGURE 64** and **TABLE 54**). The countries experiencing the most acute water stress levels in 2021 (Kuwait, the United Arab Emirates and Saudi Arabia) are all located in the Arabian Peninsula and are withdrawing each year 9 to almost 40 times their renewable freshwater resources available. As a result, non-renewable water resources are used and are diminishing rapidly. The national water stress level can hide some differences within a country. Water stress disaggregation by river basins shows that the basins affected by severe water stress are located not only in Northern Africa and the Near East but also in Northern America,

FIGURE 62.
WORLD AREA UNDER ORGANIC AGRICULTURE, MAIN COUNTRIES (2021)



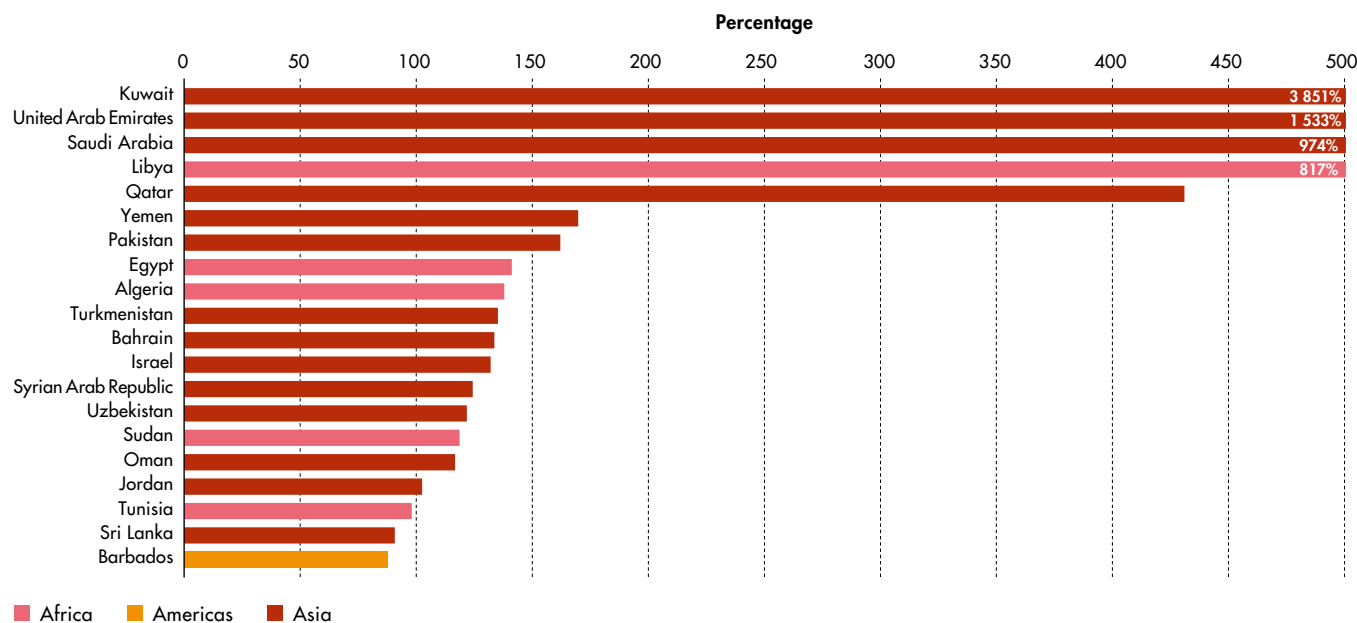
Note: Percentages in the figure indicate the shares in the total; they may not tally due to rounding.
Source: FAO. 2024. FAOSTAT: Land Use. [Accessed on 15 November 2024].
<https://www.fao.org/faostat/en/#data/RL>. Licence: CC-BY-4.0.
Download: <https://doi.org/10.4060/cd2971en-fig62>

FIGURE 63.
SHARE OF AREA UNDER ORGANIC AGRICULTURE IN TOTAL AGRICULTURE AREA, TOP COUNTRIES (2022)



Note: Only countries with more than 2 million ha of agricultural area are taken into account.
Source: FAO. 2024. FAOSTAT: Land Use. [Accessed on 15 November 2024].
<https://www.fao.org/faostat/en/#data/RL>. Licence: CC-BY-4.0.
Download: <https://doi.org/10.4060/cd2971en-fig63>

FIGURE 64.
WATER STRESS, TOP COUNTRIES (2021)



Source: FAO. 2024. AQUASTAT: AQUASTAT Dissemination System. [Accessed on 15 November 2024]. <https://data.apps.fao.org/aquastat/?lang=en>. Licence: CC-BY4.0.
Download: <https://doi.org/10.4060/cd2971en-fig64>

Central and Southern Asia, and on the west coast of Latin America.²³

SOILS

The cropland nutrient balance represents the difference between the quantities of synthetic and organic nutrients (nitrogen, phosphorus and potassium) added and withdrawn from the cropland by the production of crops and livestock. An excess of nutrients can lead to environmental risks (for example via additional outputs, such as volatilization, leaching and runoff), while insufficient levels of nutrients constrain yields. FIGURE 65 and TABLE 55 show that the global average cropland nitrogen balance went up 7 percent to 52 kg/ha between 2000 and 2021, although it was on an overall declining trend during the 2010s. With 85 kg/ha in 2021, Asia had the highest cropland nitrogen balance, far ahead of the Americas (48 kg/ha), Europe

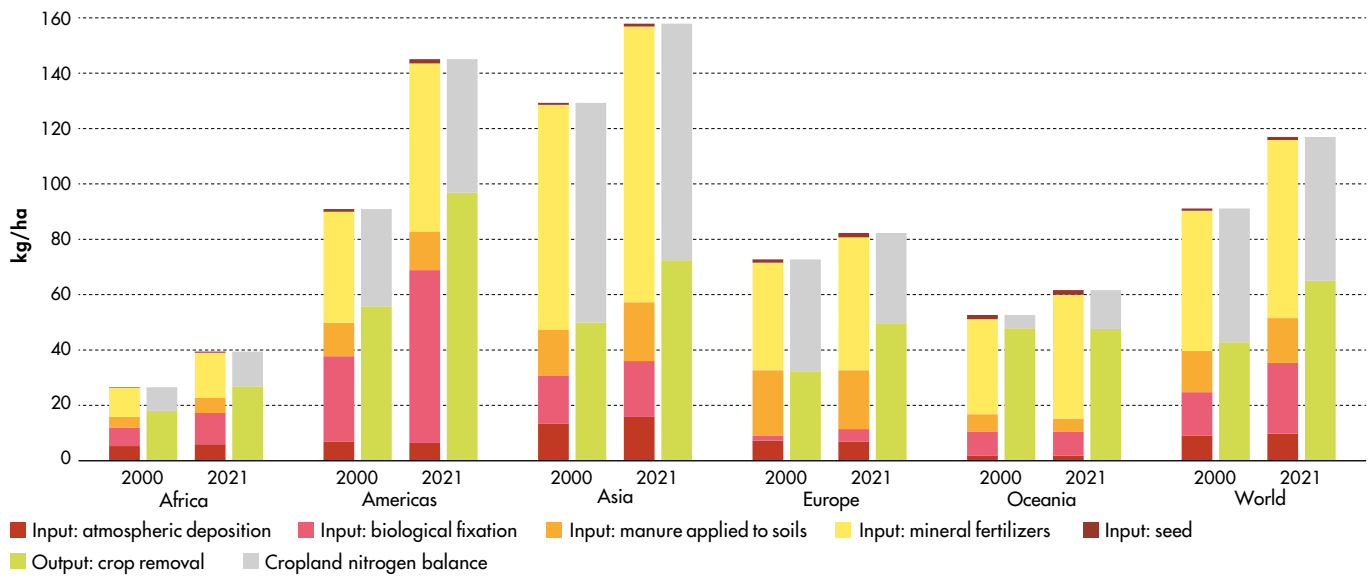
(33 kg/ha), Oceania (14 kg/ha) and Africa (13 kg/ha). Oceania had the largest growth of the cropland nitrogen balance between 2000 and 2021 (+192 percent), driven by increased fertilizer inputs and stable outputs, while Europe is the only region where the cropland nitrogen budget declined (by 19 percent). Asia had the largest total nitrogen inputs in 2021 (158 kg/ha); the Americas had the largest inputs from biological fixation, as well as the largest outputs from crop removal, while Africa had the smallest total nitrogen inputs (39 kg/ha).

EMISSIONS AND CLIMATE CHANGE

Agrifood systems are affected by climate change, but also contribute significantly to greenhouse gas (GHG) emissions. Total emissions from agrifood systems in 2022 amounted to 16.2 billion tonnes of carbon dioxide equivalent

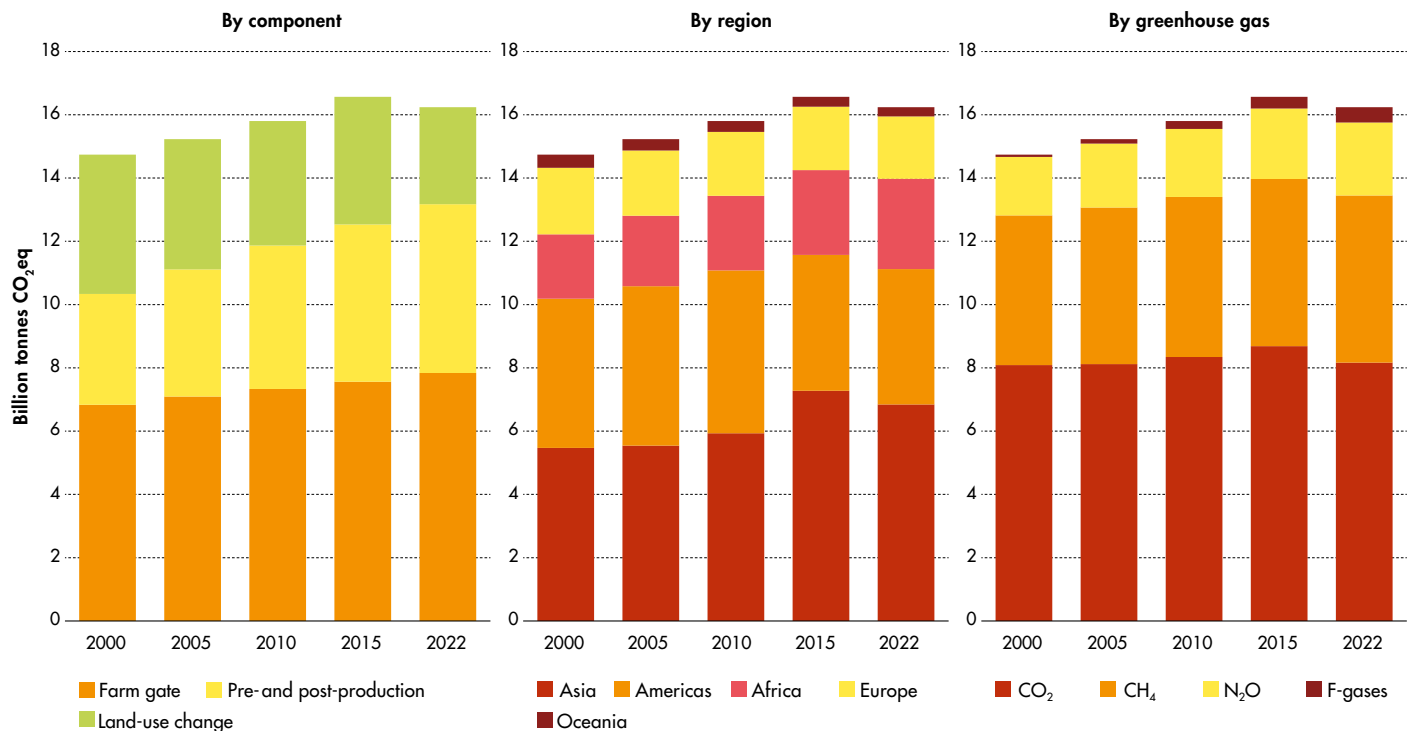
(Gt CO₂eq) of GHG released into the atmosphere, an increase of 10 percent, or 1.5 Gt CO₂eq compared with 2000 (FIGURE 66 and TABLE 56). This growth is due to an increase in pre- and post-production emissions and farm-gate emissions that was larger than the decrease in land-use change emissions. Activities within the farm gate accounted for 7.8 Gt CO₂eq, or 48 percent of the total emissions in 2022, followed by pre- and post-production (5.3 Gt CO₂eq, or 33 percent) and land-use change (3.1 Gt CO₂eq, or 19 percent). Asia was the top emitter, with 6.8 Gt CO₂eq (42 percent of the total) in 2022, followed by the Americas (4.3 Gt CO₂eq, or 26 percent), Africa (2.9 Gt CO₂eq, or 18 percent), Europe (2.0 Gt CO₂eq, or 12 percent) and Oceania (0.3 Gt CO₂eq, or 2 percent). CO₂ represented half of the total emissions, or 8.2 Gt CO₂eq. Next were methane

FIGURE 65
CROPLAND NITROGEN BALANCE BY COMPONENT AND REGION



Source: FAO. 2023. FAOSTAT: Cropland nutrient balance. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/ESB>. Licence: CC-BY4.0.
Download: <https://doi.org/10.4060/cd2971en-fig65>

FIGURE 66.
WORLD GREENHOUSE GAS EMISSIONS FROM AGRIFOOD SYSTEMS



Source: FAO. 2024. FAOSTAT: Emissions totals. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/GT>. Licence: CC-BY4.0.
Download: <https://doi.org/10.4060/cd2971en-fig66>

(CH₄), with 5.3 Gt CO₂eq (33 percent); nitrous oxide (N₂O), with 2.3 Gt CO₂eq (14 percent); and fluorinated gases (F-gases), with 0.5 Gt CO₂eq (3 percent).

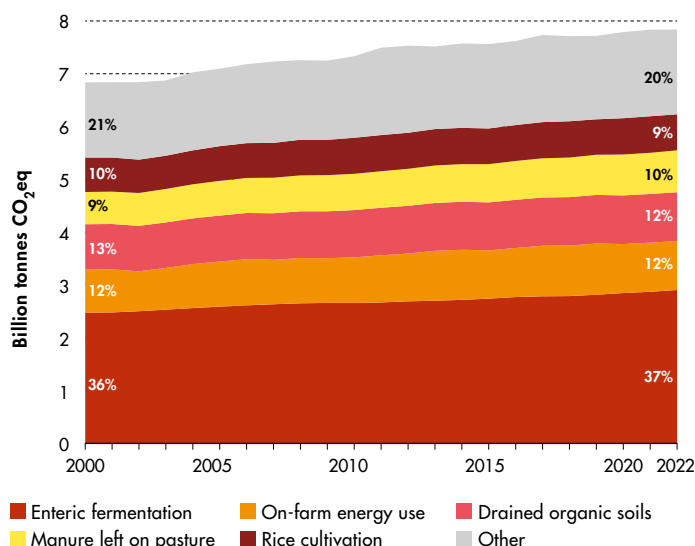
World agricultural emissions within the farm gate (those related to the production of crops and livestock) grew by 15 percent between 2000 and 2022 to 7.8 Gt CO₂eq (see **FIGURE 67** and **TABLE 57**). Around 53 percent of farm-gate emissions derive from livestock-related activities, and the emissions from enteric fermentation generated in the digestive system of ruminant livestock were alone responsible for 2.9 Gt CO₂eq, or 37 percent of agricultural emissions within the farm gate. Animal and synthetic sources

of soil fertilization contributed to slightly less than one-fifth of agricultural emissions within the farm gate. On-farm energy use and drained organic soils each were responsible for a constant 12–13 percent share of farm-gate emissions over the 2000–2022 period, while methane released from the cultivation of rice paddies accounted for 9–10 percent.

Calculating emissions^c intensities allows for comparison of the GHG performance of a range of commodities, as they represent a simplified indication of the efficiency of production for each commodity, by country and over time. As seen in **FIGURE 68**, the most CO₂-intensive commodities on average in 2022 were cattle meat

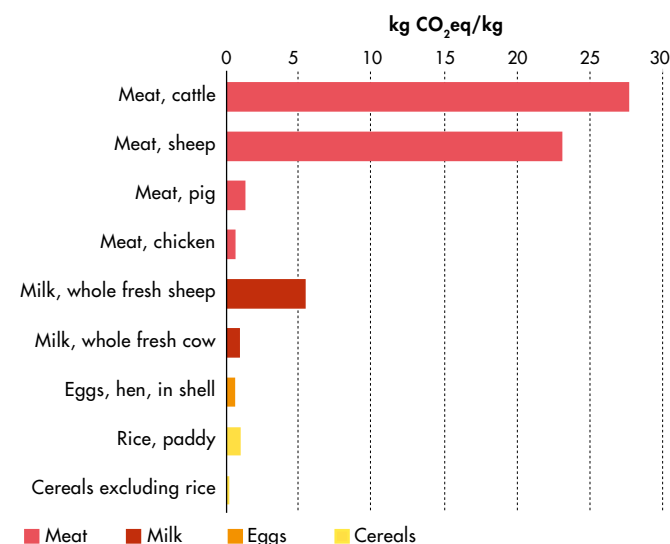
(27.6 kg CO₂eq/kg) and sheep meat (23.1 kg CO₂eq/kg). The emissions intensities of pig and chicken meat were much lower (1.2 kg CO₂eq/kg and 0.6 kg CO₂eq/kg, respectively). The global emissions intensity for cow milk was 0.9 kg CO₂eq/kg, compared to 5.4 CO₂eq/kg for sheep milk. The emissions intensity of rice was 1.0 kg CO₂eq/kg, nearly six times higher than that of cereals excluding rice (0.2 kg CO₂eq/kg). As seen in **TABLE 58**, the intensities change significantly across regions, reflecting large differences in associated efficiencies of production. For instance, the emissions intensity of cattle meat is more than twice the world average in Africa (54.8 kg CO₂eq/kg) and nearly half the world average in Europe (15.8 kg CO₂eq/kg).

FIGURE 67.
WORLD FARM-GATE GREENHOUSE GAS EMISSIONS BY ACTIVITY



Note: Percentages in the figure indicate the shares in the total; they may not tally due to rounding.
Source: FAO. 2024. FAOSTAT: Emissions totals. [Accessed on 15 November 2024].
<https://www.fao.org/faostat/en/#data/GT>. Licence: CC-BY-4.0.
Download: <https://doi.org/10.4060/cd2971en-fig67>

FIGURE 68.
WORLD EMISSIONS INTENSITY OF AGRICULTURAL COMMODITIES (2022)



Source: FAO. 2024. FAOSTAT: Emissions intensities. [Accessed on 15 November 2024].
<https://www.fao.org/faostat/en/#data/EI>. Licence: CC-BY-4.0.
Download: <https://doi.org/10.4060/cd2971en-fig68>

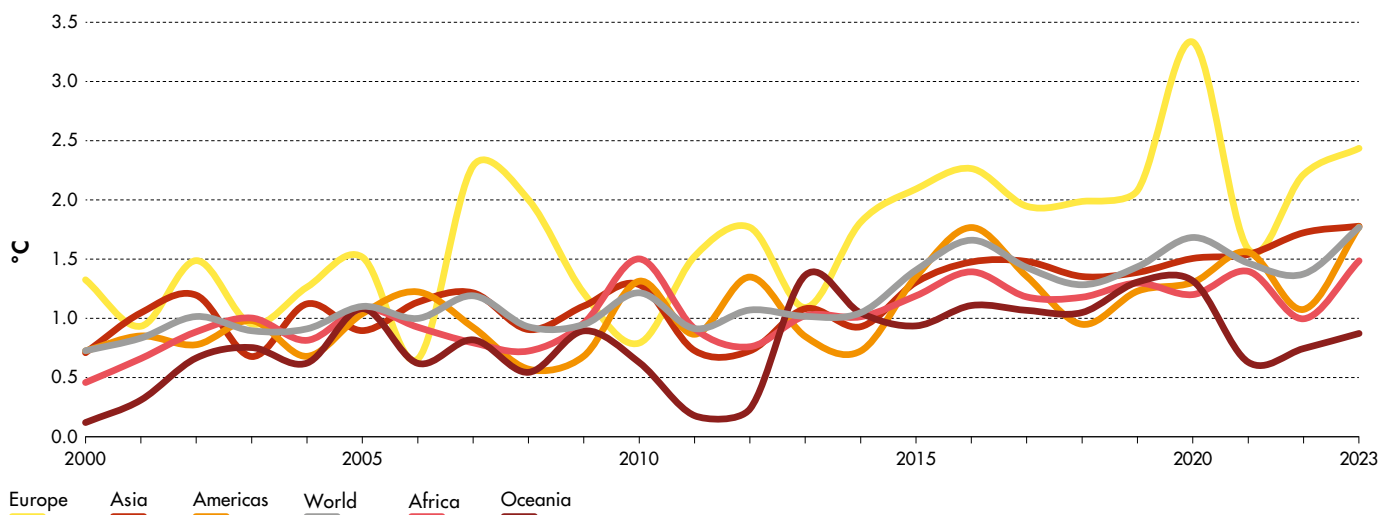
c Emissions estimates refer to those generated within the farm gate.

Worldwide, winters and summers alike are becoming increasingly hotter than the 1951–1980 average (see **FIGURE 69**). With 1.77 °C more than the world reference measured over land, 2023 was the warmest year at the global level, followed by 2020 (1.68 °C) and 2016 (1.66 °C). The nine warmest years on record since 1961 (and in fact since the beginning of

observations in 1880) are all within the nine-year period of 2015–2023. Europe is the region where the temperature change was the highest in 2023 (and also for most of the 2000–2023 period), with 2.44 °C, followed by Asia (1.78 °C), the Americas (1.77 °C), Africa (1.49 °C) and Oceania (0.87 °C). The average temperature change in the 2010s was 1.25 °C, compared

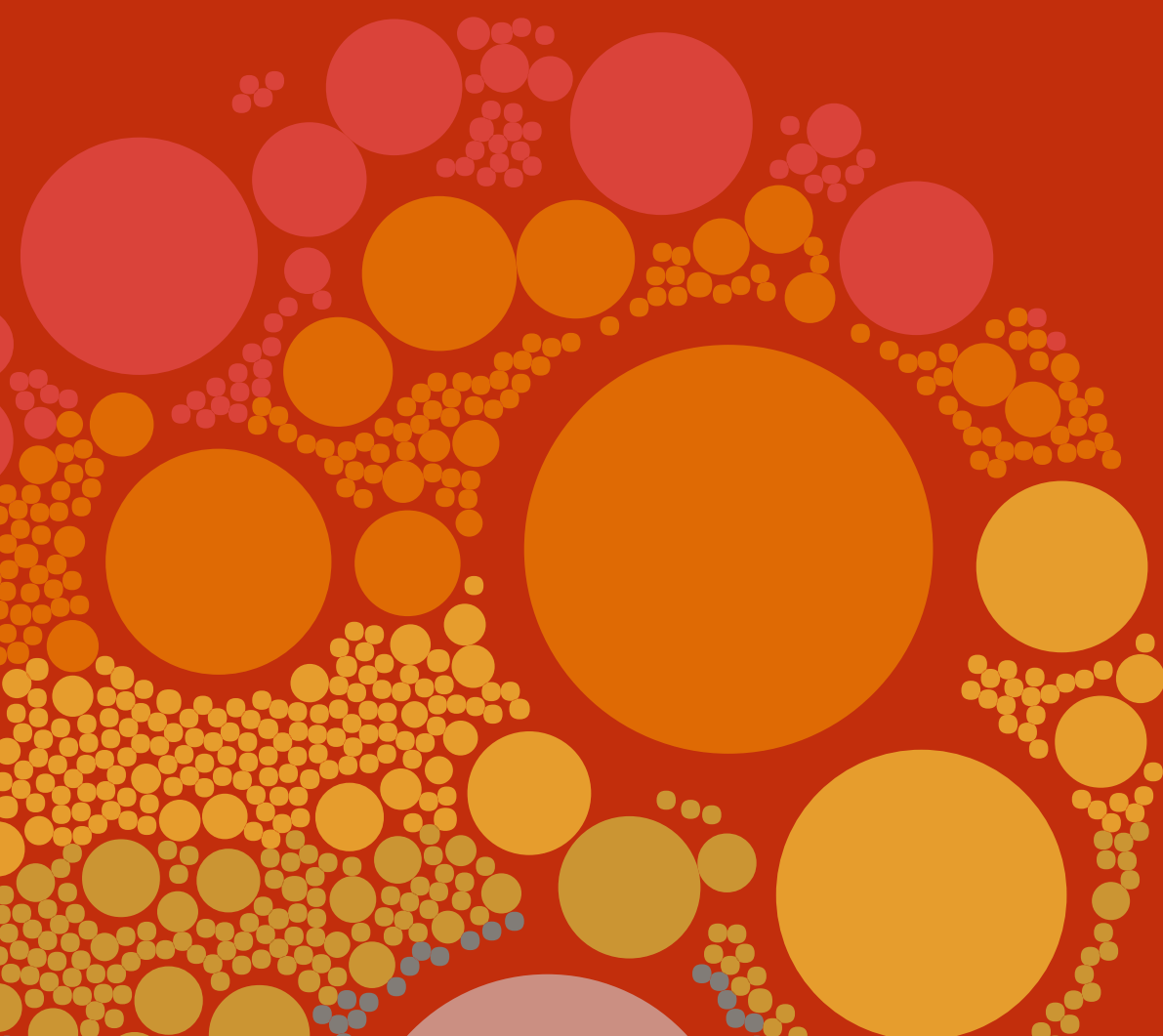
to 0.95 °C in the 2000s. As seen in **TABLE 59**, 161 countries had a mean annual temperature change at least 1.0 °C higher than the 1951–1980 average in 2023 compared with 118 countries in 2022; the largest mean annual temperature change was recorded in the Republic of Moldova (2.9 °C), Ukraine (2.79 °C), Andorra (2.79 °C) and Switzerland (2.74 °C).

FIGURE 69.
TEMPERATURE CHANGE MEASURED OVER LAND BY REGION



Source: FAO. 2024. FAOSTAT: Temperature change on land. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/ET>. Licence: CC-BY-4.0.
Download: <https://doi.org/10.4060/cd2971en-fig69>

ANNEXES



ANNEX 1: FAO WORK ON STATISTICS

Statistics are at the core of the work of the Food and Agriculture Organization of the United Nations (FAO), its mandate and its strategic goals. Article I of its constitution states that “The Organization shall collect, analyse, interpret and disseminate information relating to nutrition, food and agriculture. [...] the term ‘agriculture’ and its derivatives includes forestry, fisheries and aquaculture.”

FAO has a decentralized statistical system, with several technical units carrying out statistical activities. The Statistics Division (ESS) produces a vast array of data on agriculture (covering the socioeconomic, environmental, production, trade, food security and nutrition aspects), which form the majority of FAO statistics. Other technical divisions oversee data on fisheries

and aquaculture, forestry, international commodity prices, and water. ESS develops and advocates for the implementation of methodologies and standards for data collection, validation, processing and analysis of food and agriculture statistics. In these statistical domains, ESS also plays a vital role in the compilation, processing and dissemination of internationally comparable data, and provides essential capacity-building support to Members. In addition, ESS disseminates documents, working papers and statistical publications that cover agriculture and food security statistics (including prices, production, trade and agri-environmental statistical data). ESS is involved in managing a number of large-scale projects aimed at improving statistical methodologies and establishing best practices for

collecting, collating, processing, and for disseminating and using data relevant to food security, agriculture and rural areas. Finally, ESS leads the Organization’s work to monitor the Sustainable Development Goal (SDG) indicators under FAO custodianship.

The Director of ESS also plays the role of FAO Chief Statistician. As such, ESS supports the specific functions of the Chief Statistician: ensuring strong governance of FAO’s data and statistical system; fostering consistency of FAO’s data and statistical programme within the Strategic Framework; ensuring statistical excellence through the implementation of statistical standards and quality assurance mechanisms; and positioning FAO’s presence in data and statistical discussions at the global level.

ANNEX 2: DEFINITIONS AND NOTES

ADULT OBESITY, PREVALENCE

The prevalence of obesity in the adult population is the percentage of adults age 18 and over whose body mass index (BMI) is more than 30 kg/m². The BMI is a simple index of weight-for-height, or the weight in kilograms divided by the square of the height in metres.

Originator: World Health Organization (WHO), Global Health Observatory Data Repository/World Health Statistics

Owner: WHO

AGRICULTURAL LAND

Land used for cultivation of crops and animal husbandry. It is the total of areas under “Cropland” and “Permanent meadows and pastures”.

Originator: FAO, Statistics Division

Owner: FAO

AGRICULTURAL WATER WITHDRAWAL

Annual quantity of self-supplied water withdrawn for irrigation, livestock and aquaculture purposes, including water specifically withdrawn by water supply companies to operate irrigation systems. It can include water from freshwater resources, as well as water from over-abstraction of renewable groundwater or withdrawal from fossil groundwater, direct use of

agricultural drainage water, direct use of (treated) wastewater and desalinated water. Water for the dairy and meat industries and industrial processing of harvested agricultural products is included under industrial water withdrawal.

Originator: FAO, Land and Water Division (AQUASTAT)

Owner: FAO

AGRICULTURE AREA UNDER ORGANIC AGRICULTURE

Sum of areas under “Agriculture area certified organic” and “Agriculture area in conversion to organic”. Agriculture area certified organic is the land area exclusively dedicated to organic agriculture and managed by applying organic agriculture methods. It refers to the land area fully converted to organic agriculture. It is the portion of land area (including arable lands, pastures or wild areas) managed (cultivated) or wild harvested in accordance with specific organic standards or technical regulations, which has been inspected and approved by a certification body. Agriculture area in conversion to organic is the land area that is going through the organic conversion process, usually a two-year period of conversion to organic land.

Originator: FAO, Statistics Division

Owner: FAO

AGRICULTURE, FORESTRY AND FISHING

Agriculture, forestry and fishing (AFF) refers to the broad agricultural sector that includes crop growing and animal production, forestry and logging, and fishing and aquaculture. These subsectors correspond to Section A of the International Standard Industrial Classification (ISIC) Revision 4 and are covered in its Divisions 1, 2 and 3. To distinguish the agricultural sector (crop and livestock in Division 1 of ISIC), the broad agricultural sector is abbreviated as AFF.

Originator: United Nations Statistics Division (UNSD)

Owner: UN

AGRICULTURE, VALUE ADDED

This is the total value added in AFF. The value added is the net output of a sector after adding up the value of all outputs and subtracting intermediate inputs. It is calculated without making deductions for depreciation of fabricated assets or depletion and degradation of natural resources. ISIC Revision 3 or Revision 4 determines the origin of value added. Agriculture here refers to the broad agricultural sector (AFF).

Originator: World Bank

Owner: World Bank

ANIMAL OILS AND FATS

Animal oils and fats include animal fats that are obtained by dressing the carcasses of slaughtered animals (slaughter fats), or at a later stage in the butchering process when meat is being prepared for final consumption (butcher fats).

Originator: FAO, Statistics Division

Owner: FAO

AQUACULTURE PRODUCTION

Aquaculture production is defined as the farming of aquatic organisms. Farming implies some form of intervention in the rearing process to enhance production, such as regular stocking, feeding and protection from predators. Farming also implies individual or corporate ownership of the stock being cultivated. For statistical purposes, aquatic organisms that are harvested by an individual or corporate body that has owned them throughout their rearing period contribute to aquaculture, while aquatic organisms that are exploitable by the public as a common property resource, with or without appropriate licences, are the harvest of fisheries. In the case of capture-based aquaculture, only the incremental growth (or weight gain) in captivity could and should be reported as the production from aquaculture. Data included here cover aquaculture production of fish, molluscs, crustaceans and miscellaneous aquatic animals, but exclude the production of marine mammals, crocodiles, corals, pearls, sponges and algae.

Total fisheries and aquaculture production is the sum of aquaculture and capture fisheries production. Data are expressed in live weight equivalent.

Originator: FAO, Fisheries and Aquaculture Division

Owner: FAO

AQUATIC ANIMAL FOODS

Foods for human consumption originating from animals grown in, or harvested from, water. They include foods from all types of aquatic animals, with the exception of aquatic mammals and reptiles.

Originator: FAO, Fisheries and Aquaculture Division

Owner: FAO

ARABLE LAND

Arable land is the total of areas under temporary crops, temporary meadows and pastures, and land with temporary fallow. Arable land does not include land that is potentially cultivable but is not normally cultivated.

Originator: FAO, Statistics Division

Owner: FAO

AREA HARVESTED

Area harvested refers to the area from which a crop is gathered. It excludes, therefore, the area from which, although sown or planted, there was no harvest due to damage, failure or the like. It is usually net of temporary crops and sometimes gross of permanent crops. The net area differs from the gross area insofar as the latter includes uncultivated patches, footpaths, ditches, headlands, shoulders,

shelterbelts and the like. If the crop under consideration is harvested more than once during the year as a consequence of successive cropping (i.e. the same crop is sown or planted more than once in the same field during the year), the area is counted as many times as harvested.

Originator: FAO, Statistics Division

Owner: FAO

CAPTURE FISHERIES PRODUCTION

Hunting, collecting and gathering activities directed at removing or collecting live wild aquatic organisms are capture fisheries production. The capture production statistics here indicate the nominal catches of aquatic organisms killed, caught, trapped or collected for all commercial, industrial, recreational and subsistence purposes or other utilizations in live weight equivalent. Data included here cover capture production of fish, molluscs, crustaceans and miscellaneous aquatic animals but exclude production of marine mammals, crocodiles, corals, pearls, sponges and algae. Total fisheries and aquaculture production is the sum of aquaculture and capture fisheries production.

Originator: FAO, Fisheries and Aquaculture Division

Owner: FAO

CEREAL IMPORT DEPENDENCY RATIO

The cereal import dependency ratio provides a measure of the dependence of a country or region

on cereal imports. The higher the value of the indicator, the higher the dependence. Specifically, the cereal imports dependency ratio tells how much of the available domestic food supply of cereals has been imported and how much comes from the country's own production. It is computed as $(\text{cereal imports} - \text{cereal exports}) / (\text{cereal production} + \text{cereal imports} - \text{cereal exports}) \times 100$. Given this formula, the indicator assumes only values less than or equal to 100. Negative values indicate that the country is a net exporter of cereals. The indicator is calculated in three-year averages to reduce the impact of possible errors in estimated production and trade, due to the difficulties in properly accounting for stock variations in major foods.

Originator: FAO, Statistics Division

Owner: FAO

CEREALS

Wheat, rice paddy, barley, maize, popcorn, rye, oats, millets, sorghum, buckwheat, quinoa, fonio, triticale, canary seed, mixed grain and cereals are all considered cereals.

Originator: FAO, Statistics Division

Owner: FAO

CEREALS AND PREPARATIONS

Cereals, flours and cereal grains that are either rolled, flaked, pearled, sliced or kibbled are cereals and preparations.

Originator: FAO, Statistics Division

Owner: FAO

CONSUMER PRICE INDEX (FOOD)

The food consumer price index (CPI) measures the price change between the current and reference periods of the average basket of food items purchased by households. The food CPI is rescaled to a unique base year of 2010 by FAO for all countries with sufficient time coverage. FAO uses the geometric mean of the monthly indices of the year 2010 as the rescaling factor.

Originator: International Monetary Fund (IMF), UNSD, Organisation for Economic Co-operation and Development (OECD) and national statistics websites

Owner: IMF, UNSD and FAO

CROPLAND

Cropland is the land used for cultivation of crops. The total of areas under "Arable land" and "Permanent crops".

Originator: FAO, Statistics Division

Owner: FAO

CROPLAND NITROGEN BUDGET

Difference between the cropland nitrogen input and output flows. Inputs are comprised of synthetic fertilizers, manure applied to soils, atmospheric deposition and biological fixation; outputs are comprised of crop removal from harvest.

Originator: FAO, Statistics Division

Owner: FAO

CROPS

Crop statistics include permanent and temporary crops and cover the following categories: crops

primary, fibre crops primary, cereals, coarse grain, citrus fruit, fruit, oil crops (oil and cake equivalent), pulses, roots and tubers, tree nuts and vegetables.

Originator: FAO, Statistics Division

Owner: FAO

DAIRY PRODUCTS

Butter, buttermilk, cheese, cream, ghee, milk, whey and yoghurt are all dairy products.

Originator: FAO, Statistics Division

Owner: FAO

DIETARY ENERGY SUPPLY (KCAL/CAP/DAY)

The food available for human consumption, expressed in kilocalories per person per day, is the dietary energy supply. At the country level, it is calculated as the food remaining for human use after taking out all non-food utilization, including exports, industrial use, animal feed, seed, wastage and changes in stocks.

Originator: FAO, Statistics Division

Owner: FAO

DIETARY ENERGY SUPPLY ADEQUACY, AVERAGE

The dietary energy supply adequacy average expresses the dietary energy supply (DES) as a percentage of the average dietary energy requirement (ADER). Each country or region's average supply of calories for food consumption is normalized by the average dietary energy requirement estimated for its population to provide an index of adequacy of the food

supply in terms of calories.

Originator: FAO, Statistics Division

Owner: FAO

DIETARY ENERGY SUPPLY, AVERAGE

The figures for the dietary energy supply average are based on the latest available data from national food balance sheets and represent the amount of food available for human consumption.

Originator: FAO, Statistics Division

Owner: FAO

EGGS, PRIMARY

Egg production by type of poultry should refer to the total production of eggs in the shell by all types of hens in both the traditional sector (individually owned small flocks) and the modern sector (large-scale, intensive commercial poultry farms). Total production includes eggs for hatching but excludes farm waste.

Originator: FAO, Statistics Division

Owner: FAO

EMISSIONS FROM AGRIFOOD SYSTEMS

Greenhouse gas (GHG) emissions from agrifood systems are generated within the farm gate by crop and livestock production activities; from land-use change dynamics, linked for instance to deforestation and peatland degradation to make room for agriculture; and in pre- and post-production processes, such as food manufacturing, household consumption and disposal of food waste. Emissions, relevant

to each process, consist of nitrous oxide (N₂O); methane (CH₄); carbon dioxide (CO₂); and fluorinated gases (F-gases).

Originator: FAO, Statistics Division

Owner: FAO

EMISSIONS FROM LAND-USE CHANGE

Emissions from land management and transformation processes. FAOSTAT data include processes on agricultural land and forest land – corresponding to IPCC land-use categories “cropland”, “forest land” and “grassland”. Emissions from forests consist of CO₂ emissions/removals from net carbon stock changes in above- and below-ground biomass related to net forest conversion (deforestation). While CO₂ emissions from fires are implicitly included in the carbon stock change computations, non-CO₂ emissions from forest fires are reported separately, for “fires in humid tropical forests” and “other forest fires”. In addition to CO₂ from deforestation, emissions on agricultural land include CO₂ and N₂O emissions from the drainage of organic soils. Land-use change emissions in FAOSTAT also include CO₂ and CH₄ emissions from fires in organic soils.

Originator: FAO, Statistics Division

Owner: FAO

EMISSIONS FROM PRE- AND POST-PRODUCTION

Pre- and post-production emissions cover activities outside the farm gate, either as input into agricultural production

activities (fertilizer manufacturing and pesticide manufacturing) or as post-farm gate processes (food processing, food packaging, food transport, food retail, food household consumption, agrifood systems waste disposal). Emissions include CO₂ from fossil-fuels based energy used across the above processes, CH₄ and N₂O from the treatment of waste streams, and F-gases from cold chains linked to refrigeration of food items.

Originator: FAO, Statistics Division

Owner: FAO

EMISSIONS INTENSITY

Greenhouse gas emissions within the farm gate per unit weight of product, expressed in kg CO₂eq/kg of product. The indicator is computed for six types of meat (buffalo, cattle [beef], chicken, goat, pig and sheep), four types of milk (camel, cow, goat and sheep), hen eggs, rice, and other cereals (combining the intensities of barley, maize, millet, oats, rye, sorghum and wheat).

Originator: FAO, Statistics Division

Owner: FAO

EMISSIONS SHARES

Shares in total emissions of agrifood systems and their components (farm gate, land-use change, pre- and post-production) and of all the sectors covered in the database, computed with respect to emissions in CO₂ equivalent and by single gas (CO₂, CH₄, N₂O and F-gases).

Originator: FAO, Statistics Division

Owner: FAO

EMISSIONS WITHIN THE FARM GATE

Farm-gate emissions cover all agricultural processes within farms related to crop and livestock production (enteric fermentation, manure management, rice cultivation, synthetic fertilizers, manure applied to soils, manure left on pastures, crop residues, drained organic soils, burning of crop residues, savanna fires), including energy use and drained organic soils within the farm. Non-CO₂ gases, namely CH₄ and N₂O, are produced by crop and livestock production and management activities whereas CO₂ emissions are produced from the drainage of organic soils and on-farm use of fossil-fuel based energy (including electricity and heat generated off farms). Emissions are computed following Tier 1 Intergovernmental Panel on Climate Change (IPCC) 2006 Guidelines for National GHG Inventories.

Originator: FAO, Statistics Division
Owner: FAO

EMPLOYMENT IN AGRICULTURE (TOTAL POPULATION, MALE, FEMALE)

Employment comprises all persons of working age who, during a specified brief period, such as one week or one day, were in one of the following two categories: a) paid employment (whether at work, or having a job but not at work), or b) self-employment (whether at work, or with an enterprise but not at work). The working-age population is the population above the legal working

age, but for statistical purposes it comprises all persons above a specified minimum age threshold for which an inquiry on economic activity is made. To promote international comparability, the working-age population is often defined as all persons aged 15 and older, but this may vary from country to country based on national laws and practices (some countries also use an upper age limit). The classification by economic activity refers to the main activity of the establishment in which a person worked during the reference period. The branch of economic activity of a person does not depend on the specific duties or functions of the person's job, but rather on the characteristics of the economic unit in which the person worked. Data presented by a branch of economic activity are based on ISIC.

Originator: International Labour Organization (ILO)
Owner: ILO

EXPORT VALUE

Export values are reported as FOB (free on board: the value of the goods plus the value of the services performed to deliver the goods to the border of the exporting country).

Originator: FAO, Statistics Division
Owner: FAO

FERTILIZERS

The use of fertilizers refers to agricultural use of inorganic (mineral or chemical) fertilizers for the three main plant nutrients: nitrogen (N), phosphorus (expressed as P₂O₅) and potassium (expressed as K₂O). It includes both straight

fertilizers (those containing only one of the three primary plant nutrients) and compound fertilizers (those containing more than one of the three primary plant nutrients; they may be NP, NK, PK or NPK). Agricultural use refers to the use for crops, livestock, forestry, fisheries and aquaculture, excluding use for animal feed.

Originator: FAO, Statistics Division
Owner: FAO

FISH PRICE INDEX

The FAO Fish Price Index measures the monthly changes in international prices of a basket of fisheries and aquaculture commodities. The index consists of the average of five commodity group price indices (whitefish, salmon, tuna, other pelagic fish and shrimps) weighted by the average export shares of each of the groups for the 2014–2016 period.

Originator: FAO, Fisheries and Aquaculture Division
Owner: FAO

FOOD

Food is comprised of the commodities in the Standard International Trade Classification (SITC) sections 0 (food and live animals), 1 (beverages and tobacco), and 4 (animal and vegetable oils and fats) and SITC division 22 (oil seeds, oil nuts and oil kernels).

Originator: FAO, Statistics Division
Owner: FAO

FOOD PRICE INDEX

The FAO Food Price Index is a measure of the monthly change in

international prices of a basket of food commodities. It consists of the average of five commodity group price indices (meat, dairy, cereals, vegetable oils and sugar), weighted with the average export shares of each of the groups for 2014–16.

Originator: FAO, Statistics Division

Owner: FAO

FOREST LAND

Land spanning more than 0.5 ha with trees higher than 5 metres and a canopy cover of more than 10 percent, or trees able to reach these thresholds *in situ*. Excludes land that is predominantly under agricultural or urban land use. Explanatory notes:

- Forest land is determined both by the presence of trees and by the absence of other predominant land uses. The trees should be able to reach a minimum height of 5 metres *in situ*.
- Includes areas with young trees that have not yet reached but that are expected to reach a canopy cover of 10 percent and tree height of 5 metres. It also includes areas that are temporarily unstocked owing to clear-cutting as part of a forest management practice or natural disasters, and that are expected to be regenerated within five years. Local conditions may, in exceptional cases, justify the use of a longer time frame.
- Includes forest roads, firebreaks and other small open areas.
- May include forest land in national parks, nature reserves and other protected areas, such as those of specific environmental, scientific, historical, cultural or spiritual interest.
- Includes windbreaks, shelter belts and corridors of trees with an area of more than 0.5 ha and width of more than 20 metres.
- Includes abandoned shifting cultivation land with a regeneration of trees that have, or are expected to reach, a canopy cover of 10 percent and tree height of 5 metres.
- Includes areas with mangroves in tidal zones, regardless of whether this area is classified as land area or not.
- Includes areas with bamboo and palms provided that land use, height and canopy cover criteria are met.
- Some agroforestry systems such as the taungya system, where crops are grown only during the first years of the forest rotation, should be classified as forest.
- Excludes tree stands in agricultural production systems, such as fruit-tree plantations (permanent crops), oil palm plantations, rubber and Christmas trees (permanent crops) and agroforestry systems when crops are grown under tree cover.

Originator: FAO, Statistics Division

Owner: FAO

FOREST PRODUCTS EXPORTS

Products of domestic origin or manufacture shipped out of the country are forest product exports. They include exports from free economic zones and re-exports. They exclude “in-transit” shipments. They are reported in cubic metres of solid volume or metric tonnes, and values are normally recorded as FOB.

Originator: FAO, Forestry Division

Owner: FAO

FOREST PRODUCTS IMPORTS

Products imported for domestic consumption or processing shipped into a country are forest product imports. They include imports into free economic zones or for re-export. They exclude “in-transit” shipments. They are reported in cubic metres of solid volume or metric tonnes, and values normally include cost, insurance and freight (CIF).

Originator: FAO, Forestry Division

Owner: FAO

FOREST PRODUCTS PRODUCTION

Forest product production includes the production of products that may immediately be consumed in the production of another product (e.g. wood pulp, which may immediately be converted into paper as part of a continuous process). This includes production from all sources within the country including public, private and informal sources. It excludes the production of veneer sheets that are used for plywood production within the same country. It is

reported in cubic metres of solid volume in the case of roundwood, sawnwood and wood-based panels and metric tonnes in the case of charcoal, pulp and paper products.

Originator: FAO, Forestry Division

Owner: FAO

FRUIT AND VEGETABLES

Vegetables, as classified in this group, are mainly annual plants cultivated as field and garden crops in the open and under glass and are used almost exclusively for food. Vegetables grown principally for animal feed or seed should be excluded. Certain plants, normally classified as cereals and pulses, belong to this group when harvested green, such as green maize and green peas. Chillies and green peppers are included in this grouping when they are harvested for consumption as vegetables and not processed into spices. Trade data for fresh vegetables also include chilled vegetables, meaning the temperature of the products has been reduced to around 0 °C without the products being frozen. Fruit crops consist of fruits and berries that, with few exceptions, are characterized by their sweet taste. Nearly all are permanent crops, mainly from trees, bushes and shrubs, as well as vines and palms. Fruit crops are consumed directly as food or are processed into dried fruit, fruit juice, canned fruit, frozen fruit, jam, alcoholic beverages and other products.

Originator: FAO, Statistics Division

Owner: FAO

GOVERNMENT EXPENDITURE ON AGRICULTURE

The government expenditure on agriculture refers to core areas of government functions relevant to agriculture, forestry and fishing (AFF) based on the Classification of Functions of Government as outlined in the Government Finance Statistics Manual of the International Monetary Fund (IMF) (2014). Statistics on expenditure in AFF are used to compile the agriculture orientation index.

Originator: FAO, Statistics Division

Owner: FAO and IMF

GROSS FIXED CAPITAL FORMATION

The gross fixed capital formation is the total value of a producer's acquisitions, less disposals, of fixed assets during the accounting period plus certain additions to the value of non-produced assets (such as subsoil assets or major improvements in the quantity, quality or productivity of land) realized by the productive activity of institutional units.

Originator: UNSD, OECD and national statistics' websites

Owner: UNSD, OECD and FAO

IMPORT VALUE

Import values are reported as CIF (cost insurance and freight: the value of the goods, plus the value of the services performed to deliver goods to the border of the exporting country, plus the value of the services performed to deliver the goods from the border of the exporting country to the border of the importing country).

Originator: FAO, Statistics Division

Owner: FAO

INDUSTRIAL ROUNDWOOD

All roundwood except wood fuel is industrial roundwood. In production statistics, it is an aggregate comprising sawlogs and veneer logs; pulpwood, round and split; and other industrial roundwood. It is reported in cubic metres solid volume underbark (i.e. excluding bark).

Originator: FAO, Forestry Division

Owner: FAO

INFLATION RATE

The inflation rate of an index for any month refers to the percentage change in the index value for the month as compared to the index value of the corresponding month of the previous year. Global and regional food consumer price inflation measures food inflation for a group of countries at different geographical scales: Africa, Europe, Oceania, Latin America and the Caribbean, North America, and Asia. Global and regional inflation are calculated using household consumption expenditure weights.

Originator: FAO, Statistics Division

Owner: FAO

LAND AREA

Country area excluding area under inland waters and coastal waters.

Originator: FAO, Statistics Division

Owner: FAO

LAND AREA EQUIPPED FOR IRRIGATION

Land area equipped with irrigation infrastructure and equipment, in working order, to provide water to crops. The equipment does not have to be used during the reference year. The area equipped for irrigation covers areas equipped for fully controlled irrigation by any of the methods of surface, sprinkler or localized irrigation. It also includes areas under partially controlled irrigation methods of spate irrigation (controlling floodwater to water crops), equipped wetlands and inland valley bottoms and equipped flood recession. It excludes manual watering of plants using buckets, watering cans or other devices.

Originator: FAO, Statistics Division

Owner: FAO

LIVESTOCK PRIMARY PRODUCTION

Livestock primary production includes products from live and slaughtered animals. Products from slaughtered animals include meat, offals, raw fats, fresh hides and skins. Products from live animals include milk, eggs, honey, beeswax and fibres of animal origin.

Originator: FAO, Statistics Division

Owner: FAO

MEAT

Meat is defined as the flesh of animals (excluding aquatic animals) used for food. In production data, meat is normally reported inclusive of bone and exclusive of meat that is unfit for human consumption. As

reported by individual countries, meat production data may refer either to commercial production (meat entering marketing channels), inspected production (from animals slaughtered under sanitary inspection), or total production (the total of the above-mentioned categories plus slaughter for personal consumption). All FAO annual production data refer to total production.

Originator: FAO, Statistics Division

Owner: FAO

MILK

Whole fresh milk production from buffaloes, camels, cows, goats and sheep.

Originator: FAO, Statistics Division

Owner: FAO

NET TRADE

Value in USD of exports (including re-exports for aquatic animals) minus imports.

Originator: FAO, Statistics Division and FAO, Fisheries and Aquaculture Division

Owner: FAO

OIL CROPS

Oil-bearing crops or oil crops include both annual (usually called oilseeds) and perennial plants whose seeds, fruits or mesocarp, and nuts are valued mainly for the edible or industrial oils that are extracted from them. Oil crops exclude dessert and table nuts, although they are rich in oil, as well as annual oilseed plants that are either harvested green or are used for grazing and for green manure. Some oil crops are also fibre crops in that both the

seeds and the fibres are harvested from the same plant (for example coconuts, kapok fruit, seed cotton, linseed and hempseed).

Originator: FAO, Statistics Division

Owner: FAO

PAPER AND PAPERBOARD

The paper and paperboard category is an aggregate category. In the production and trade statistics, it represents the sum of graphic papers, sanitary and household papers, packaging materials, and other paper and paperboard. It excludes manufactured paper products such as boxes, cartons, books and magazines.

Originator: FAO, Forestry Division

Owner: FAO

PERMANENT CROPS

Land cultivated with long-term crops that do not have to be replanted for several years (such as cocoa and coffee), land under trees and shrubs producing flowers (such as roses and jasmine), and nurseries (except those for forest trees, which should be classified under "Forestry") are all considered land under permanent crops. Permanent meadows and pastures are excluded from land under permanent crops.

Originator: FAO, Statistics Division

Owner: FAO

PERMANENT MEADOWS AND PASTURES

Land used permanently (five years or more) to grow herbaceous forage crops through cultivation

or naturally (wild prairie or grazing land) is considered land under permanent meadows and pastures. Permanent meadows and pastures on which trees and shrubs are grown should be recorded under this heading only if the growing of forage crops is the most important use of the area. Measures may be taken to keep or increase productivity of the land (e.g. use of fertilizers, mowing or systematic grazing by domestic animals.) This class includes:

- grazing in wooded areas (agroforestry areas, for example)
- grazing in shrubby zones (heath, maquis, garigue) and
- grassland in the plain or low mountain areas used for grazing: land crossed during transhumance where the animals spend a part of the year (approximately 100 days) without returning to the holding in the evening; mountain and subalpine meadows and similar; and steppes and dry meadows used for pasture.

Originator: FAO, Statistics Division

Owner: FAO

PESTICIDES

Pesticides include insecticides, fungicides, herbicides, disinfectants and any substance or mixture of substances intended for preventing, destroying or controlling any pest, including:

- vectors of human or animal disease;

- unwanted species of plants or animals causing harm during or otherwise interfering with the production, processing, storage, transport or marketing of food, agricultural commodities, wood and wood products or animal feedstuffs; or
- substances which may be administered to animals for the control of insects, arachnids or other pests in or on their bodies.

The term includes substances intended for use as a plant growth regulator, defoliant, desiccant or agent for thinning fruit or preventing the premature fall of fruit, and substances applied to crops either before or after harvest to protect the commodity from deterioration during storage and transport. Pesticide use data refers to quantities of pesticides applied to crops and seeds in the agricultural sector. Figures are expressed in metric tonnes of active ingredients. However, due to some country reporting practices, the data may be reported by use in formulated product; sales; distribution; or imports for use in the agricultural sector.

Originator: FAO, Statistics Division

Owner: FAO

PREVALENCE OF MODERATE OR SEVERE FOOD INSECURITY

The prevalence of moderate or severe food insecurity is an estimate of the percentage of

people in the population who live in households classified as moderately or severely food insecure. The assessment is conducted using data collected with the Food Insecurity Experience Scale (FIES) or a compatible experience-based food security measurement questionnaire (such as the Household Food Security Survey Module, or HFSSM). The probability of being food insecure is estimated using the one-parameter logistic Item Response Theory model (the Rasch model) and thresholds for classification are made comparable across countries by calibrating the metrics obtained in each country against the FIES global reference scale, maintained by FAO. The threshold to classify “moderate or severe” food insecurity corresponds to the severity associated with the item “having to eat less” on the global FIES scale. In simpler terms, a household is classified as moderately or severely food insecure when at least one adult in the household was reported to have been exposed, at times during the year, to low-quality diets and might have been forced to also reduce the quantity of food they would normally eat because of a lack of money or other resources. It is an indicator of a lack of access to food.

Originator: FAO, Statistics Division

Owner: FAO

PREVALENCE OF SEVERE FOOD INSECURITY

The prevalence of severe food insecurity is an estimate of the percentage of people in the population who live in households classified as severely food insecure. The assessment is conducted using data collected with the FIES or a compatible experience-based food security measurement questionnaire (such as the HFSSM). The probability of being food insecure is estimated using the one-parameter logistic Item Response Theory model (the Rasch model) and thresholds for classification are made comparable across countries by calibrating the metrics obtained in each country against the FIES global reference scale, maintained by FAO. The threshold to classify “severe” food insecurity corresponds to the severity associated with the item “having not eaten for an entire day” on the global FIES scale. In simpler terms, a household is classified as severely food insecure when at least one adult in the household was reported to have been exposed, at times during the year, to several of the most severe experiences described in the FIES questions, such as having been forced to reduce the quantity of the food, having skipped meals, having gone hungry, or having to go for a whole day without eating because of a lack of money or other resources. It is an indicator of lack of access to food.

Originator: FAO, Statistics Division

Owner: FAO

PREVALENCE OF UNDERNOURISHMENT

Expresses the probability that a randomly selected individual from the population consumes an insufficient quantity of calories to cover their energy requirement for an active and healthy life. The indicator is computed by comparing a probability distribution of habitual daily dietary energy consumption with a threshold level called the minimum dietary energy requirement. Both are based on the notion of an average individual in the reference population.

Originator: FAO, Statistics Division

Owner: FAO

PRODUCER PRICES

Producer prices are prices received by farmers for primary crops, live animals and livestock primary products as collected at the point of initial sale (prices paid at the farm-gate).

Originator: FAO, Statistics Division

Owner: FAO

PRODUCTION

Figures relate to the total domestic production inside or outside the agricultural sector, i.e. they include non-commercial production and production from kitchen gardens. Unless otherwise indicated, production is reported at the farm level for crop and livestock products (i.e. in the case of crops, excluding harvesting losses) and in terms of live weight for aquatic animal products (i.e. the actual ex-water weight at time of catch). All data shown relate to total meat production from both commercial

and farm slaughter. Data are expressed in terms of dressed carcass weight, excluding offal and slaughter fats. Production of beef and buffalo meat includes veal; mutton and goat meat includes meat from lambs and kids; and pig meat includes bacon and ham in fresh equivalent. Poultry meat includes meat from all domestic birds and refers, wherever possible, to ready-to-cook weight.

Originator: FAO, Statistics Division

Owner: FAO

PRODUCTION, CROPS

Production and crops refer to the actual harvested production from the field or orchard and gardens, excluding harvesting and threshing losses and any part of a crop not harvested for any reason. Production, therefore, includes the quantities of the commodity sold in the market (marketed production) and the quantities consumed or used by the producers (auto-consumption). When the production data available refers to a production period falling into two successive calendar years and it is not possible to allocate the relative production to each of them, it is common to refer production data to the year in which the bulk of the production falls. Crop production data are recorded in tonnes (t). In many countries, crop production data are obtained as a function of the estimated yield and the total area. If such a compilation method of production statistics is enforced by the country, it must be ensured that the total area does not refer to sown or planted areas, which would then give the biological

production, but to the actual harvested area during the year.

Originator: FAO, Statistics Division
Owner: FAO

PROTEIN SUPPLY OF ANIMAL ORIGIN, AVERAGE

National average protein supply (expressed in grams per capita per day) includes the following groups: meat, offals, animal fats and products, milk and products, eggs, aquatic animal products and other.

Originator: FAO, Statistics Division
Owner: FAO

PROTEIN SUPPLY, AVERAGE

National average protein supply is expressed in grams per capita per day.

Originator: FAO, Statistics Division
Owner: FAO

RECOVERED PAPER

Waste and scraps of paper or paperboard that have been collected for reuse or trade include paper and paperboard that have been used for their original purposes and residues from paper and paperboard production.

Originator: FAO, Forestry Division
Owner: FAO

ROUNDWOOD

All roundwood felled or otherwise harvested and removed is comprised of all wood obtained from removals, i.e. the quantities removed from forests and from trees outside the forest, including wood recovered from natural, felling and logging losses during the period, calendar year or forest

year. It includes all wood removed with or without bark, including wood removed in its round form, or split, roughly squared or in other form (e.g. branches, roots, stumps and burls, where these are harvested) and wood that is roughly shaped or pointed. It is an aggregate comprising wood fuel, including wood for charcoal and industrial roundwood (wood in the rough). It is reported in cubic metres solid volume underbark (i.e. excluding bark).

Originator: FAO, Forestry Division
Owner: FAO

ROOTS AND TUBERS

Roots and tubers are plants yielding starchy roots, tubers, rhizomes, corms and stems. The denomination “roots and tubers” excludes crops that are cultivated mainly for feed (mangolds, swedes) or for processing into sugar (sugar beets), and those classified as “roots, bulb and tuberous vegetables” (onions, garlic and beets).

Originator: FAO, Statistics Division
Owner: FAO

SAWNWOOD

Wood that has been produced from domestic or imported roundwood, either by sawing lengthways or by a profile-chipping process, and that exceeds 6 mm in thickness is sawnwood.

Originator: FAO, Forestry Division
Owner: FAO

STARCHY ROOTS

Starchy roots include cassava and products, potatoes and products, sweet potatoes and other roots.

Originator: FAO, Statistics Division
Owner: FAO

STUNTING, CHILDREN UNDER 5 YEARS OF AGE

Height-for-age less than -2 standard deviations of the World Health Organization (WHO) Child Growth Standards median, among children aged 0–59 months

Originator: United Nations Children’s Fund (UNICEF)
Owner: UNICEF/WHO/The World Bank: Joint child malnutrition estimates

SUGAR CROPS

Sugar crops include sugar beet, sugar cane, sugar crops nes.

Originator: FAO, Statistics Division
Owner: FAO

UNDERNOURISHED, NUMBER OF PEOPLE

The number of people undernourished is obtained by multiplying estimates of the proportion of undernourished for each country by estimates of the total population. Undernourishment refers to the condition of people whose dietary energy consumption is continuously below a minimum dietary energy requirement for maintaining a healthy life and carrying out light physical activity.

Originator: FAO, Statistics Division
Owner: FAO

VEGETABLE OILS

Vegetable oils are the oil equivalent of oil crops, which include seeds, nuts, oil palm fruit, olives and soybeans.

Originator: FAO, Statistics Division

Owner: FAO

WATER STRESS

Water stress is the ratio between total freshwater withdrawn by all major sectors and total renewable freshwater resources, after taking into account environmental water requirements.

Originator: FAO, Land and Water Division (AQUASTAT)

Owner: FAO

WOOD CHARCOAL

Wood carbonized by partial combustion or by heat from external sources is wood charcoal. It includes charcoal used as a fuel or for other uses, e.g. as a reduction agent in metallurgy or as an absorption or filtration medium.

Originator: FAO, Forestry Division

Owner: FAO

WOOD FUEL

Roundwood that will be used as fuel for purposes such as

cooking, heating or power production is wood fuel. This includes wood harvested from main stems, branches and other parts of trees (where these are harvested for fuel) and wood that will be used for the production of charcoal (e.g. in pit kilns and portable ovens), wood pellets, briquettes and other agglomerates. It also includes wood chips to be used for fuel that are made directly (i.e. in the forest) from roundwood. It excludes wood charcoal, pellets, briquettes and other agglomerates. It is reported in cubic metres solid volume underbark (i.e. excluding bark).

Originator: FAO, Forestry Division

Owner: FAO

WOOD PELLETS

Wood pellets are made from wood agglomerates produced from co-products (such as cutter shavings, sawdust or chips) of the mechanical wood processing industry, furniture-making industry or other wood transformation activities. They are produced either directly by compression or by the addition of a binder in a proportion not exceeding 3 percent by weight. Such pellets are cylindrical, with

a diameter not exceeding 25 mm and a length not exceeding 100 mm. They are assumed to have 8 percent moisture content.

Originator: FAO, Forestry Division

Owner: FAO

WOOD PULP

Wood pulp is fibrous material prepared from pulpwood, wood chips, particles or residues by a mechanical or chemical process for further manufacture into paper, paperboard, fibreboard or other cellulose products. It is an aggregate comprising mechanical wood pulp, semi-chemical wood pulp, chemical wood pulp and dissolving wood pulp. It is reported in metric tonnes air-dry weight (i.e. with 10 percent moisture content).

Originator: FAO, Forestry Division

Owner: FAO

WOOD-BASED PANELS

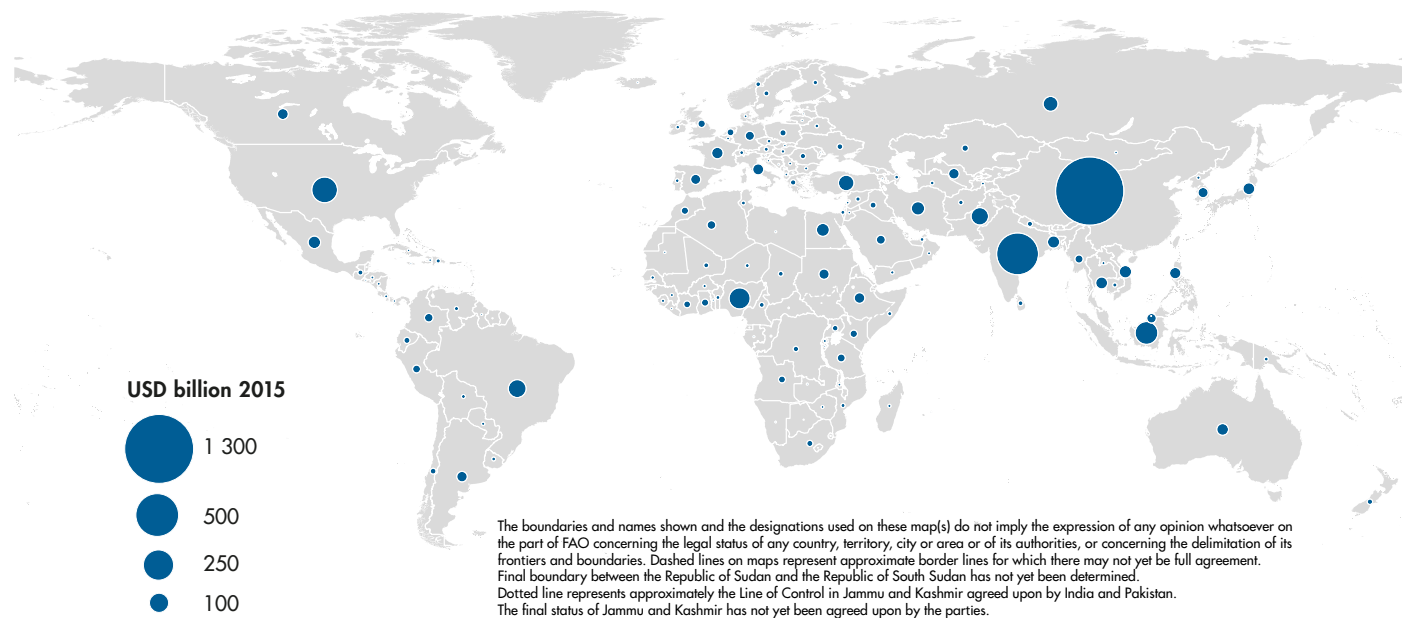
This product category is an aggregate comprising veneer sheets, plywood, particle board and fibreboard. It is reported in cubic metres solid volume.

Originator: FAO, Forestry Division

Owner: FAO

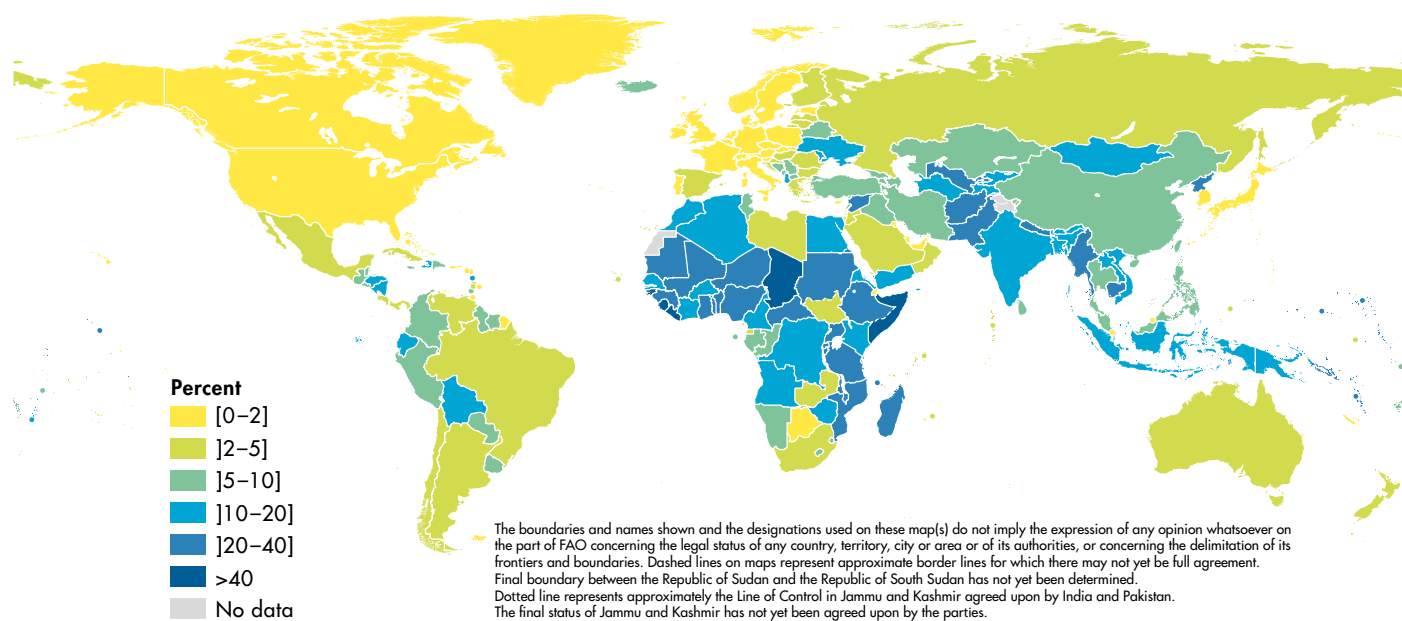
ANNEX 3: FOOD AND AGRICULTURE MAPS

MAP 1.
VALUE ADDED OF AGRICULTURE, FORESTRY AND FISHING BY REGION (2022)



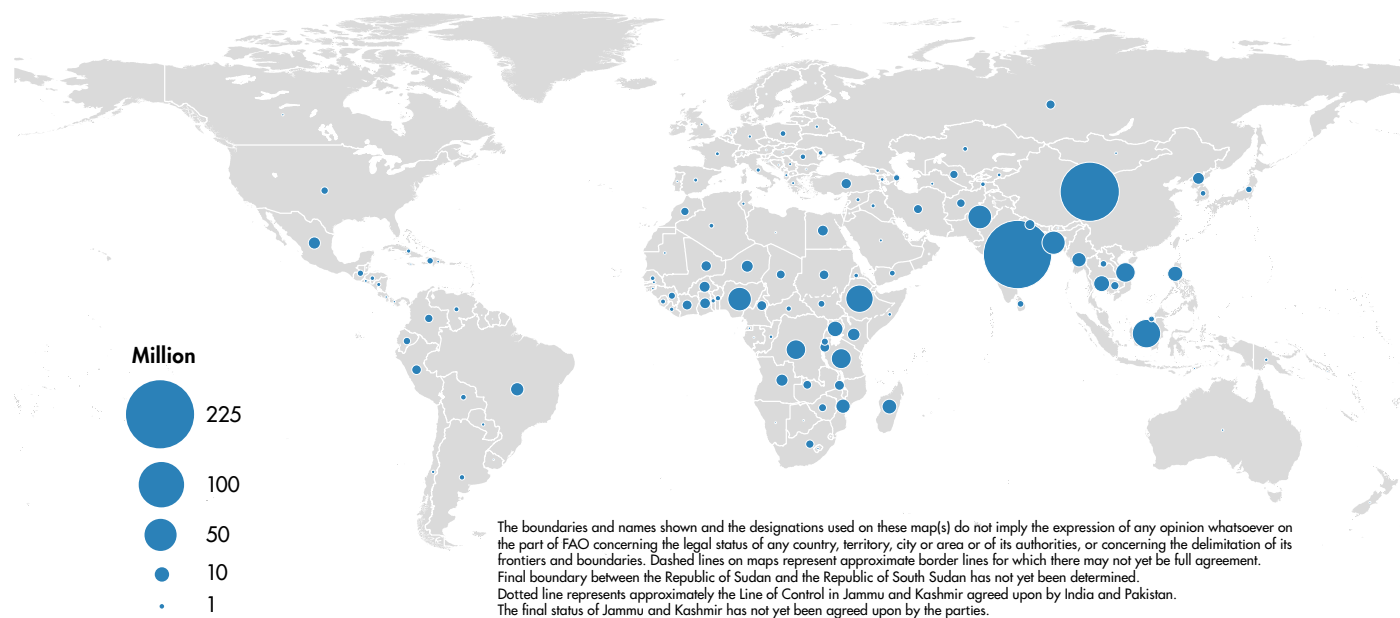
Source: FAO. 2024. FAOSTAT: Macro Indicators. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/MK>. Licence: CC-BY-4.0.
Download: <https://doi.org/10.4060/cc8166en-map01>

MAP 2.
SHARE OF AGRICULTURE, FORESTRY AND FISHING VALUE ADDED IN TOTAL GDP (2022, USD 2015 PRICES)



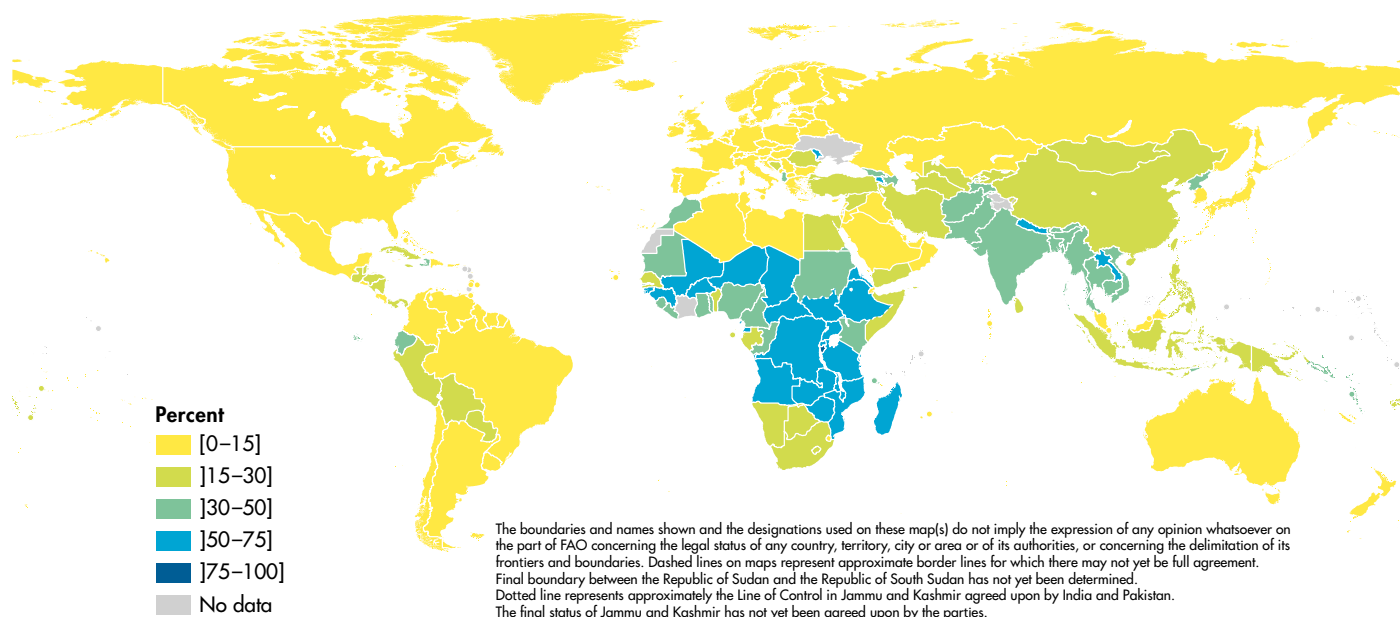
Source: FAO. 2024. FAOSTAT: Macro Indicators. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/MK>. Licence: CC-BY-4.0.
Download: <https://doi.org/10.4060/cc8166en-map02>

MAP 3.
EMPLOYMENT IN AGRICULTURE, FORESTRY AND FISHING (2022)



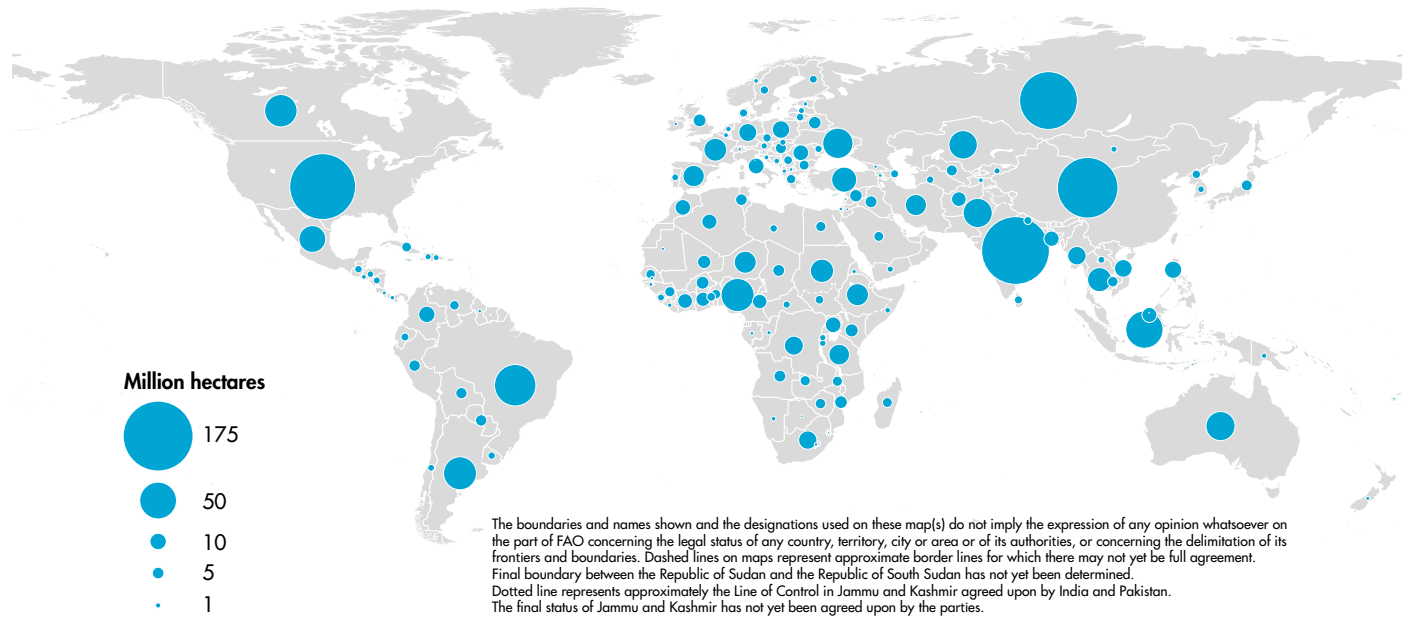
Source: FAO. 2024. FAOSTAT: Employment Indicators: Agriculture and agrifood systems. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/OEA>. Licence: CC-BY4.0.
Download: <https://doi.org/10.4060/cc8166en-map03>

MAP 4.
SHARE OF AGRICULTURE, FORESTRY AND FISHING EMPLOYMENT IN TOTAL EMPLOYMENT (2022)



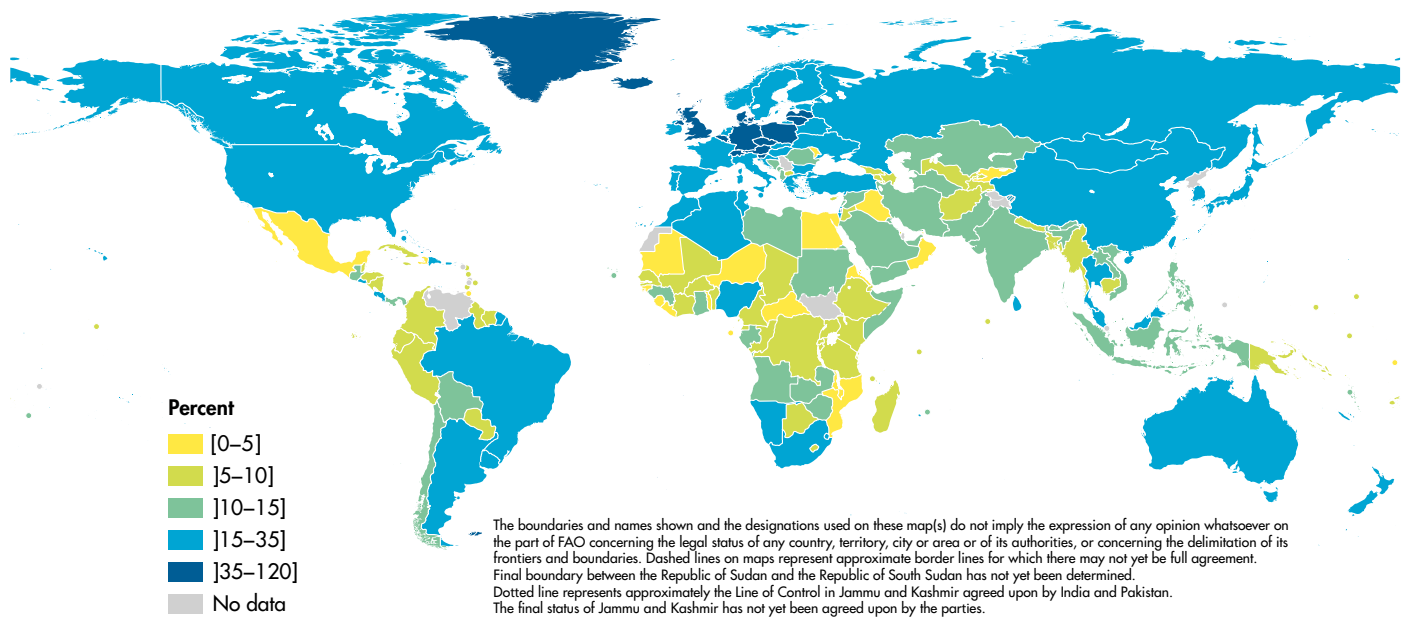
Source: FAO. 2024. FAOSTAT: Employment Indicators: Agriculture and agrifood systems. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/OEA>. Licence: CC-BY4.0.
Download: <https://doi.org/10.4060/cc8166en-map04>

MAP 5.
CROPLAND AREA (2022)



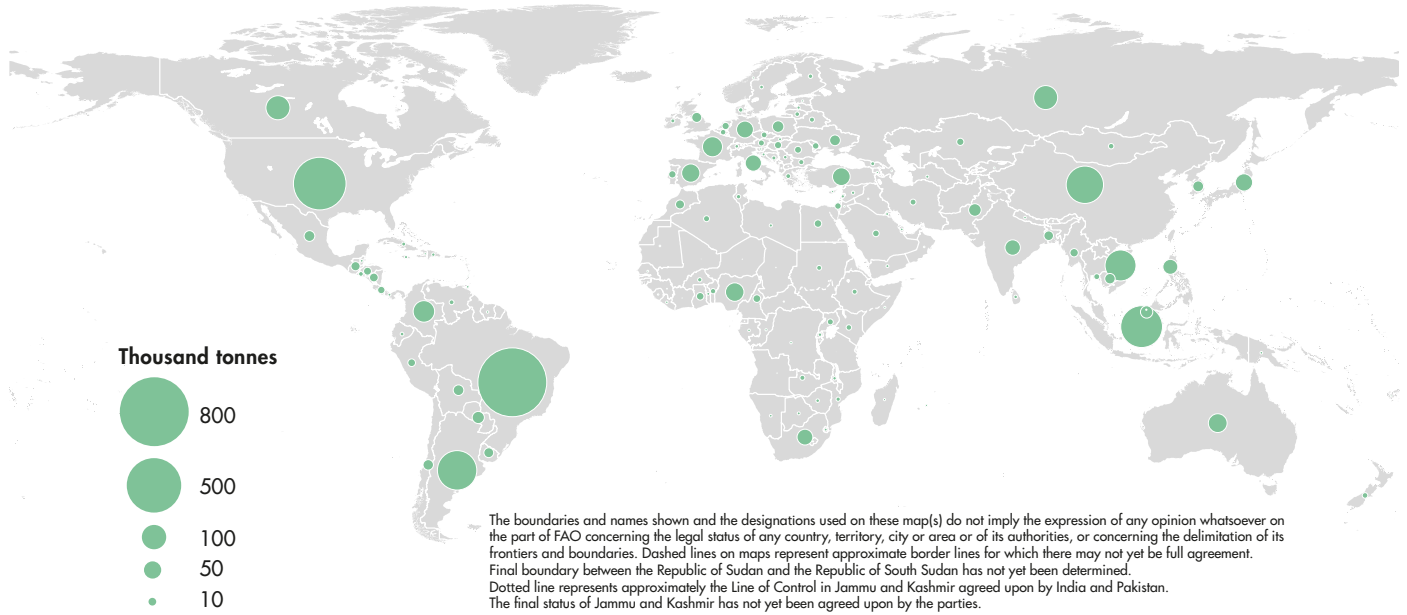
Source: FAO. 2024. FAOSTAT: Land Use. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/RL>. Licence: CC-BY4.0.
Download: <https://doi.org/10.4060/cc8166en-map05>

MAP 6.
GROSS FIXED CAPITAL FORMATION (AGRICULTURE, FORESTRY AND FISHING) AS A SHARE OF VALUE ADDED (2022, USD 2015 PRICES)



Note: Values for 2022 are projections based on nowcasts.
Source: FAO. 2023. FAOSTAT: Capital Stock. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/CS>. Licence: CC-BY4.0.
Download: <https://doi.org/10.4060/cc8166en-map06>

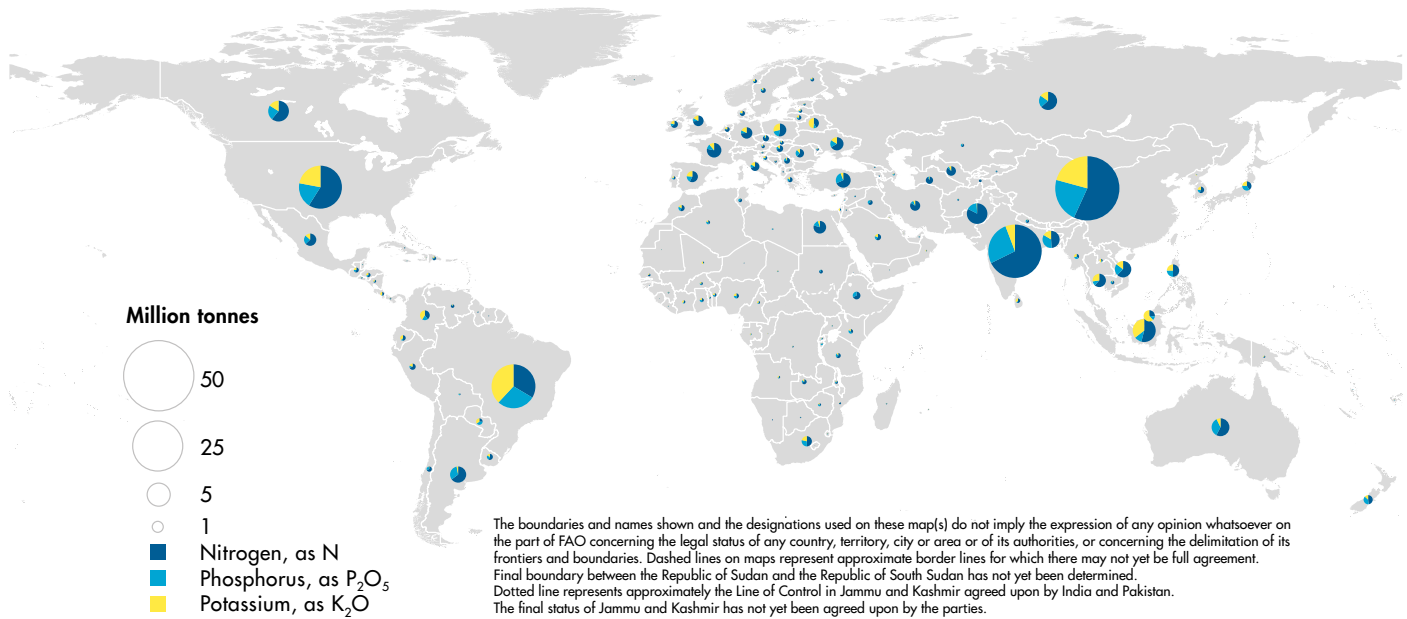
MAP 7.
PESTICIDE USE (2022)



Source: FAO. 2024. FAOSTAT: Pesticides Use. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/RP>. Licence: CC-BY-4.0.

Download: <https://doi.org/10.4060/cc8166en-map07>

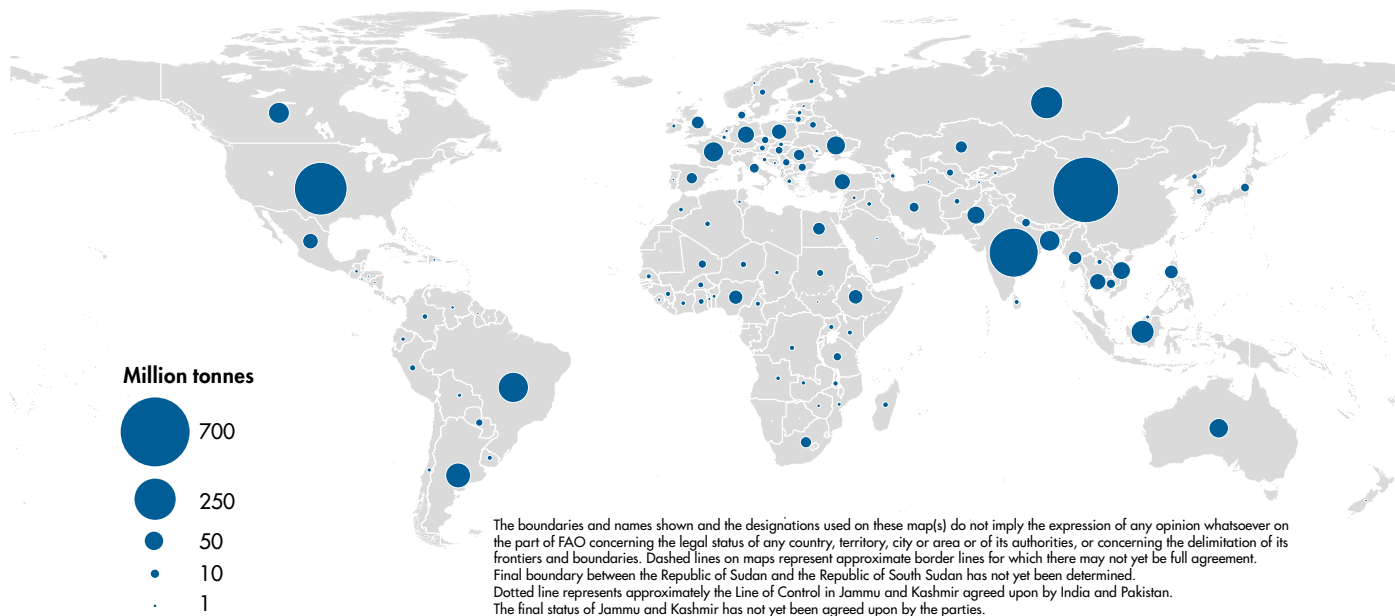
MAP 8.
INORGANIC FERTILIZER USE (2022)



Source: FAO. 2024. FAOSTAT: Fertilizers by Nutrient. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/RFN>. Licence: CC-BY-4.0.

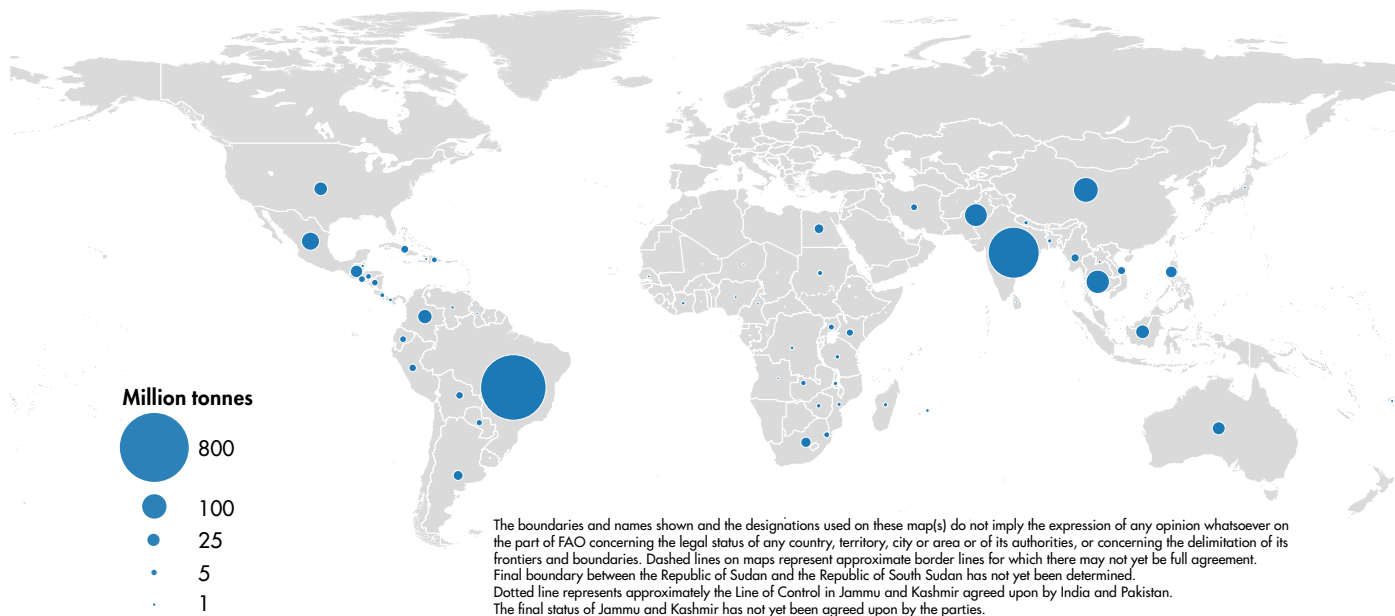
Download: <https://doi.org/10.4060/cc8166en-map08>

MAP 9.
PRODUCTION OF CEREALS (2022)



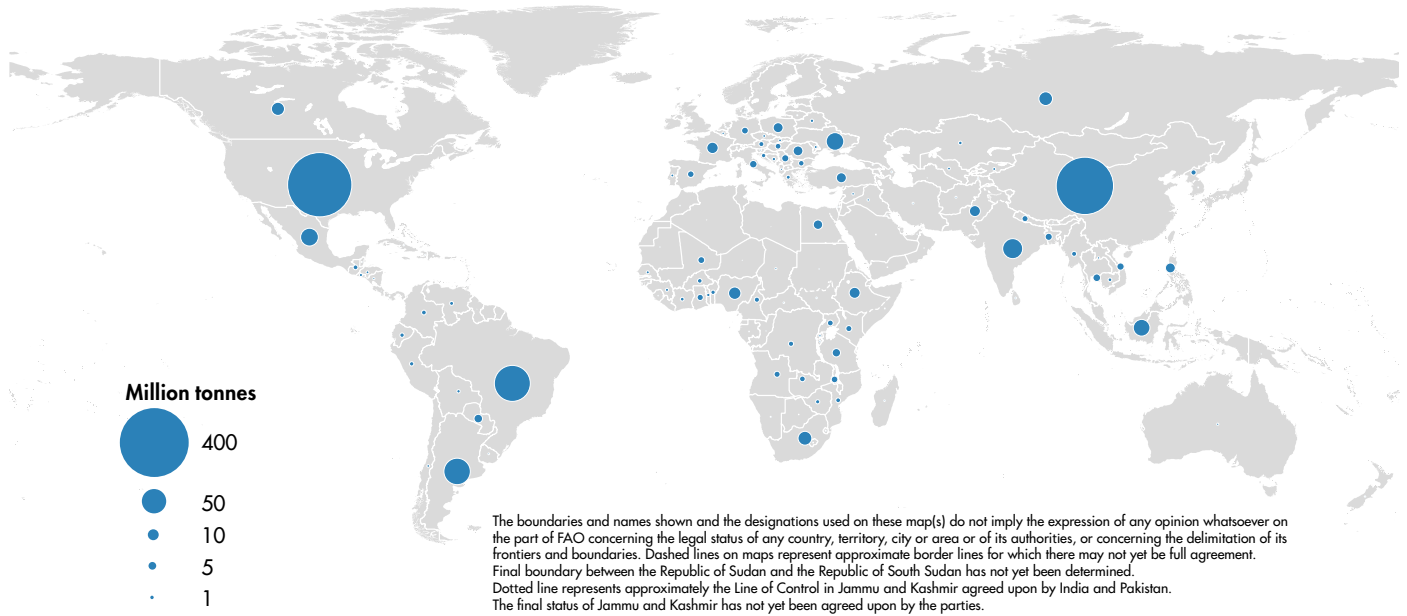
Source: FAO. 2023. FAOSTAT: Production: Crops and livestock products. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/QCL>. Licence: CC-BY-4.0.
Download: <https://doi.org/10.4060/cc8166en-map09>

MAP 10.
PRODUCTION OF SUGAR CANE (2022)



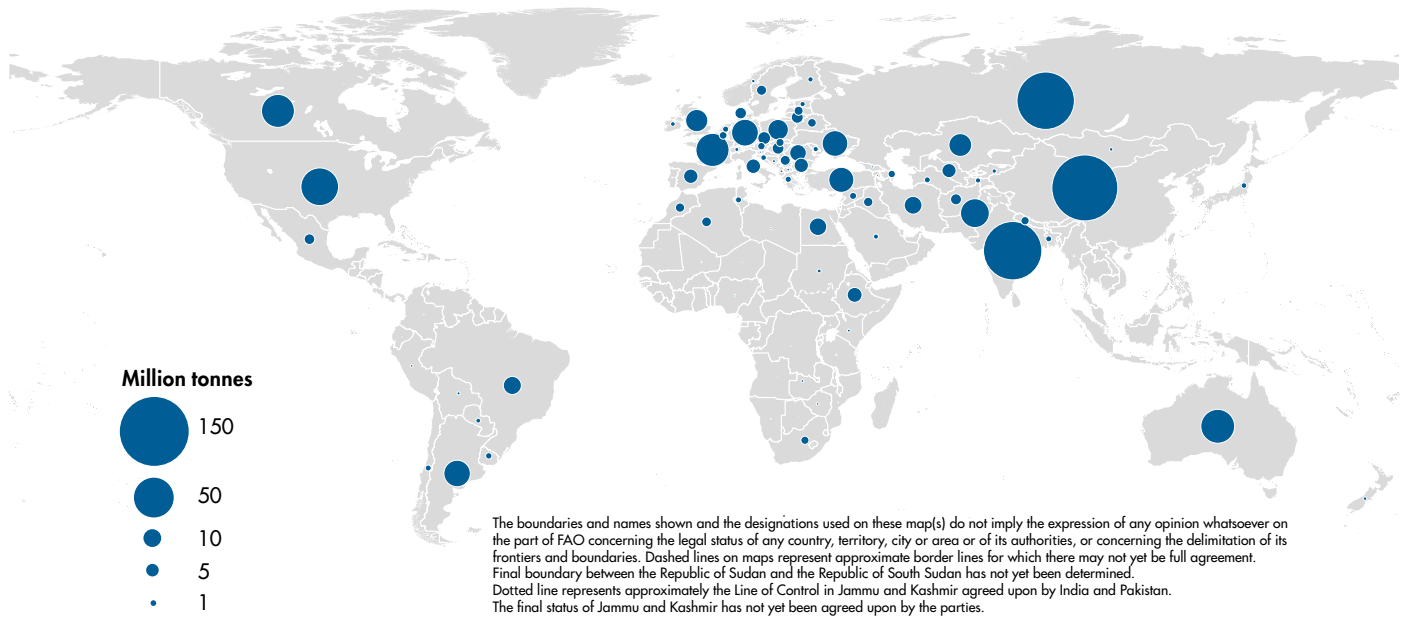
Source: FAO. 2023. FAOSTAT: Production: Crops and livestock products. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/QCL>. Licence: CC-BY-4.0.
Download: <https://doi.org/10.4060/cc8166en-map10>

MAP 11.
PRODUCTION OF MAIZE (2022)



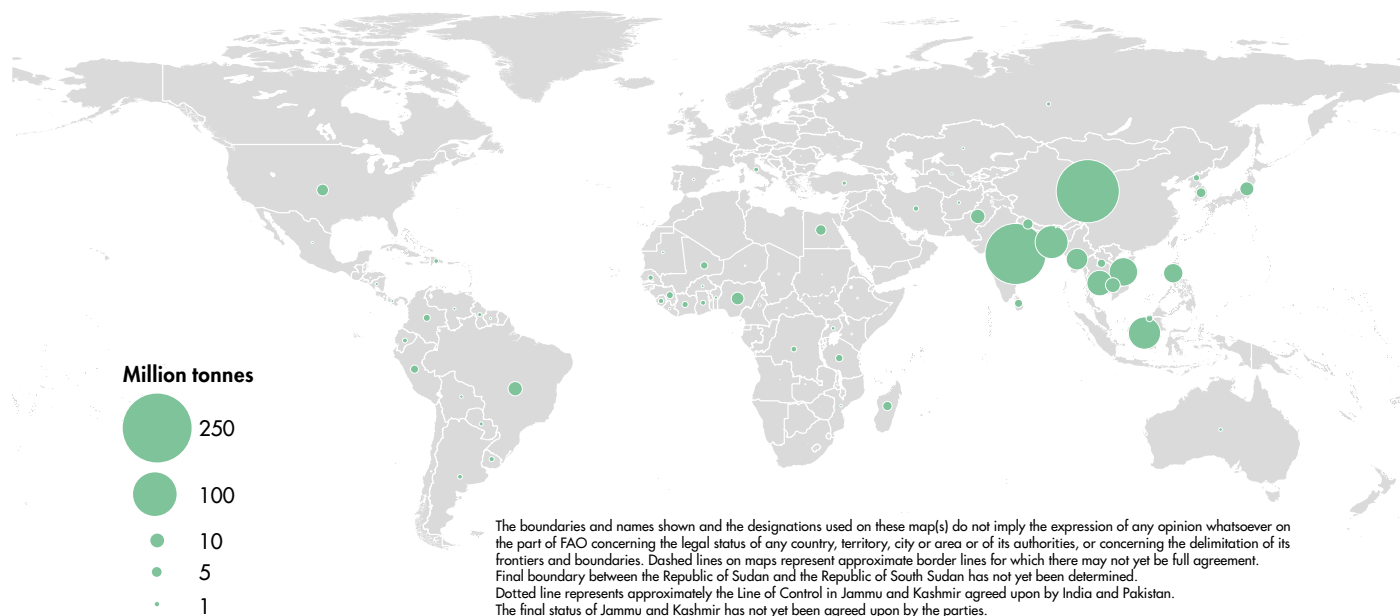
Source: FAO. 2023. FAOSTAT: Production: Crops and livestock products. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/QCL>. Licence: CC-BY4.0.
Download: <https://doi.org/10.4060/cc8166en-map11>

MAP 12.
PRODUCTION OF WHEAT (2022)



Source: FAO. 2022. Production: Crops and livestock products. In: FAOSTAT. Rome. [Cited October 2023]. <https://www.fao.org/faostat/en/#data/QCL> based on UN Geospatial. 2020. Map geodata [shapefiles]. New York, USA, UN.
Download: <https://doi.org/10.4060/cc8166en-map12>

MAP 13.
PRODUCTION OF RICE (2022)



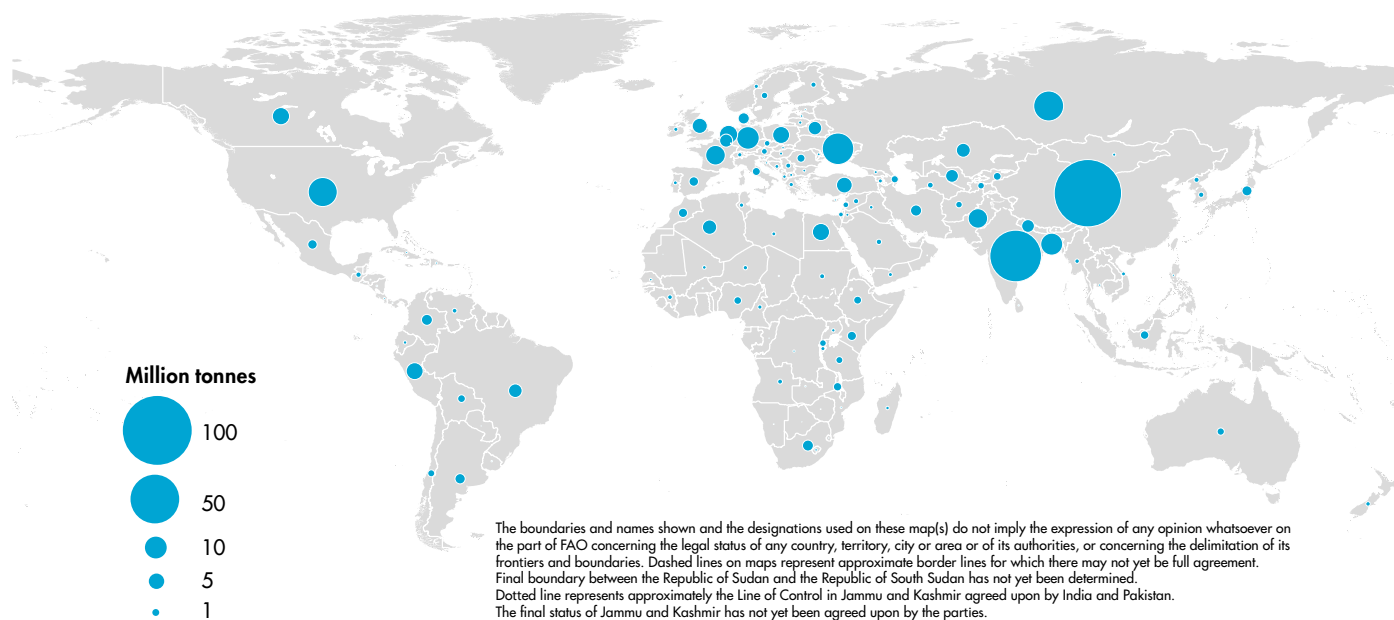
Source: FAO. 2023. FAOSTAT: Production: Crops and livestock products. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/QCL>. Licence: CC-BY-4.0.
Download: <https://doi.org/10.4060/cc8166en-map13>

MAP 14.
PRODUCTION OF OIL PALM FRUIT (2022)



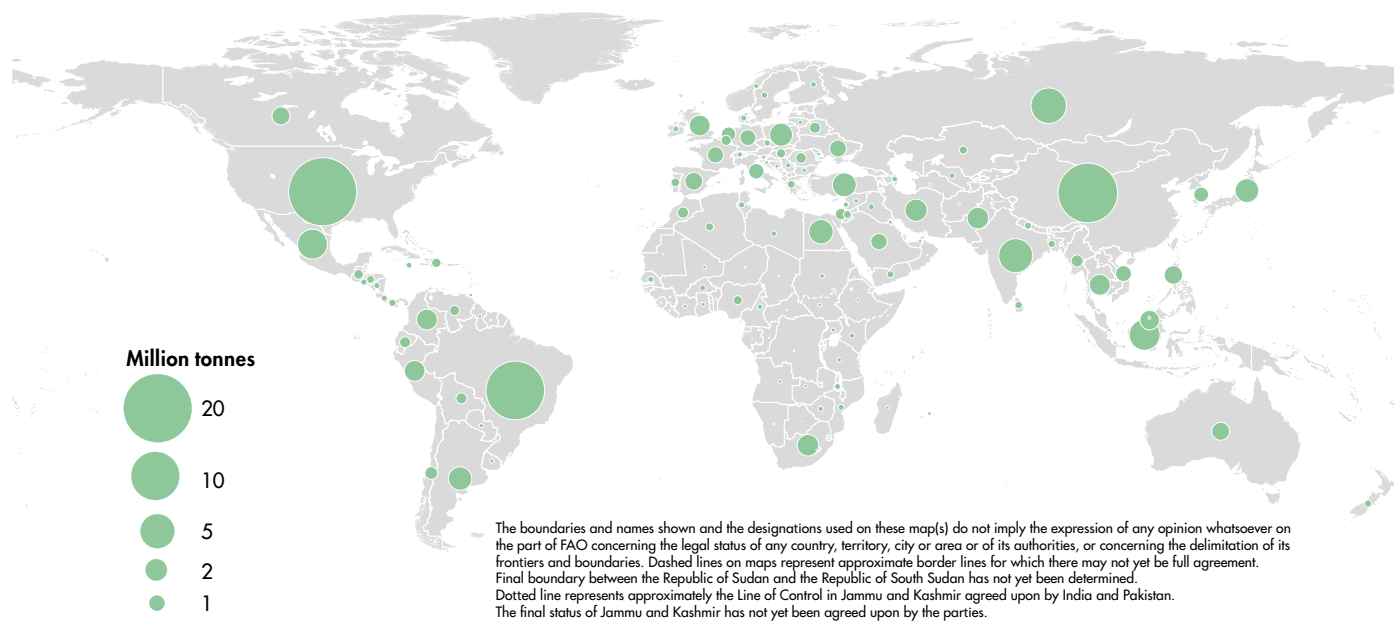
Source: FAO. 2023. FAOSTAT: Production: Crops and livestock products. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/QCL>. Licence: CC-BY-4.0.
Download: <https://doi.org/10.4060/cc8166en-map14>

MAP 15.
PRODUCTION OF POTATOES (2022)



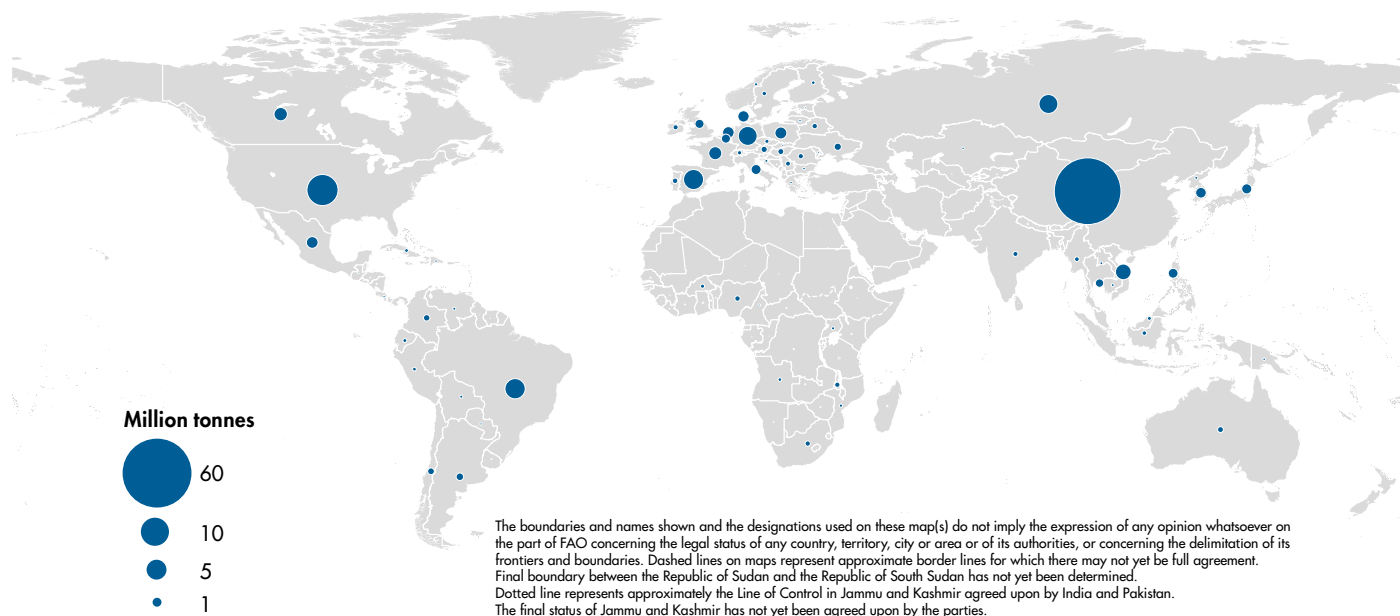
Source: FAO. 2023. FAOSTAT: Production: Crops and livestock products. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/QCL>. Licence: CC-BY4.0.
Download: <https://doi.org/10.4060/cc8166en-map15>

MAP 16.
PRODUCTION OF CHICKEN MEAT (2022)



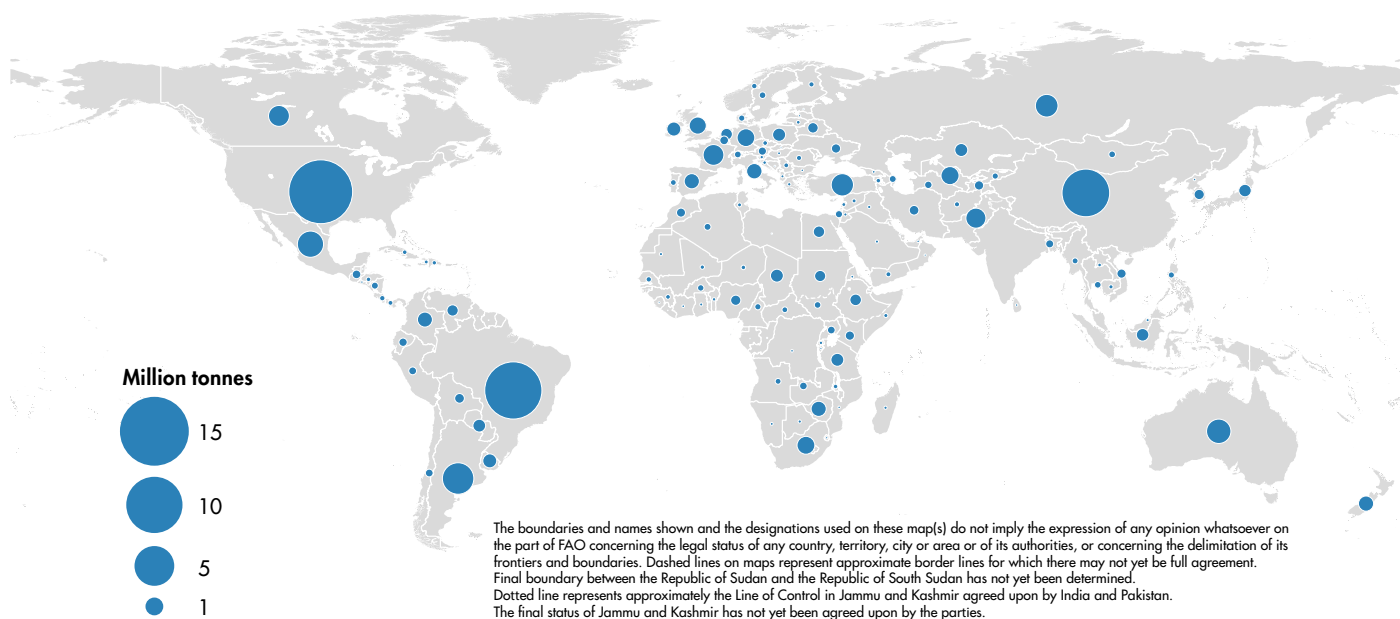
Source: FAO. 2023. FAOSTAT: Production: Crops and livestock products. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/QCL>. Licence: CC-BY4.0.
Download: <https://doi.org/10.4060/cc8166en-map16>

MAP 17.
PRODUCTION OF PIG MEAT (2022)



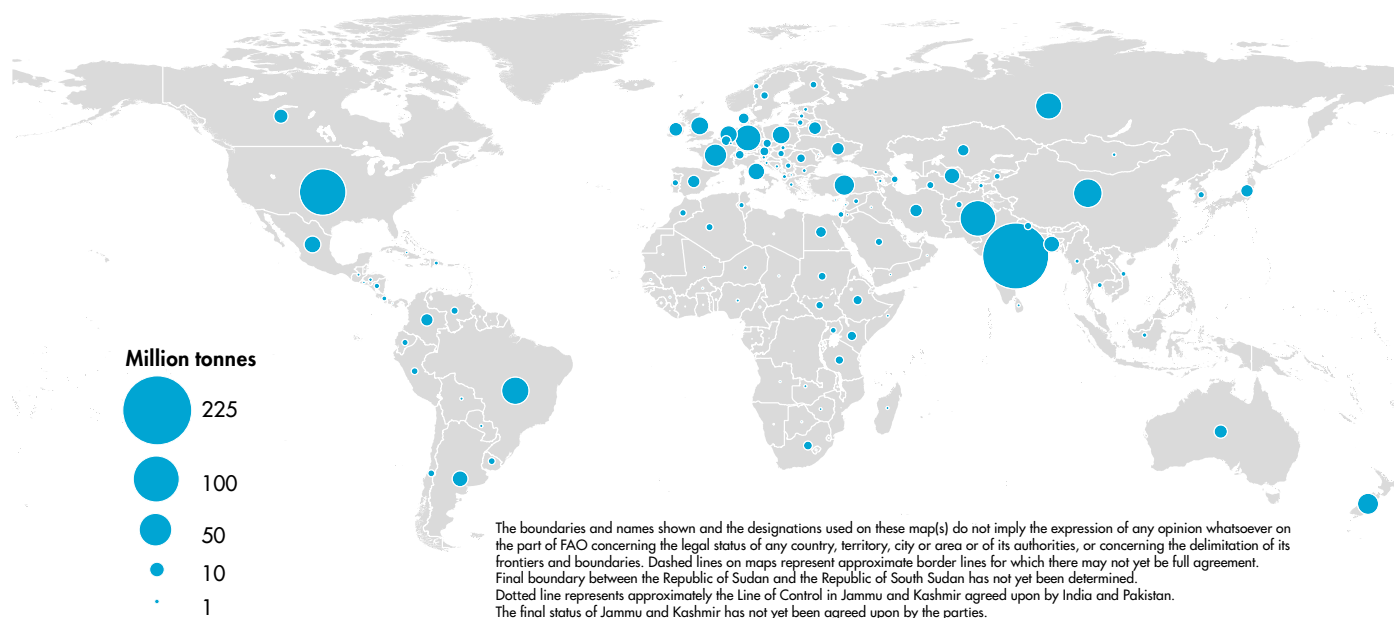
Source: FAO. 2023. FAOSTAT: Production: Crops and livestock products. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/QCL>. Licence: CC-BY-4.0.
Download: <https://doi.org/10.4060/cc8166en-map17>

MAP 18.
PRODUCTION OF CATTLE MEAT (2022)



Source: FAO. 2023. FAOSTAT: Production: Crops and livestock products. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/QCL>. Licence: CC-BY-4.0.
Download: <https://doi.org/10.4060/cc8166en-map18>

MAP 19.
PRODUCTION OF BOVINE MILK (2022)



Note: Bovine milk comprises cattle and buffalo milk.

Source: FAO. 2023. FAOSTAT: Production: Crops and livestock products. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/QCL>. Licence: CC-BY-4.0.

Download: <https://doi.org/10.4060/cc8166en-map19>

MAP 20.
CAPTURE FISHERIES AND AQUACULTURE PRODUCTION (2022)



Note: Excludes aquatic mammals, crocodiles, alligators and caimans, pearls and shells, corals, sponges and algae.

Source: FAO. 2024. FishStat: Global production by production source 1950–2022. [Accessed on 15 November 2024]. In: FishStat]. <https://www.fao.org/fishery/en/statistics/software/fishstatj>. Licence: CC-BY-4.0.

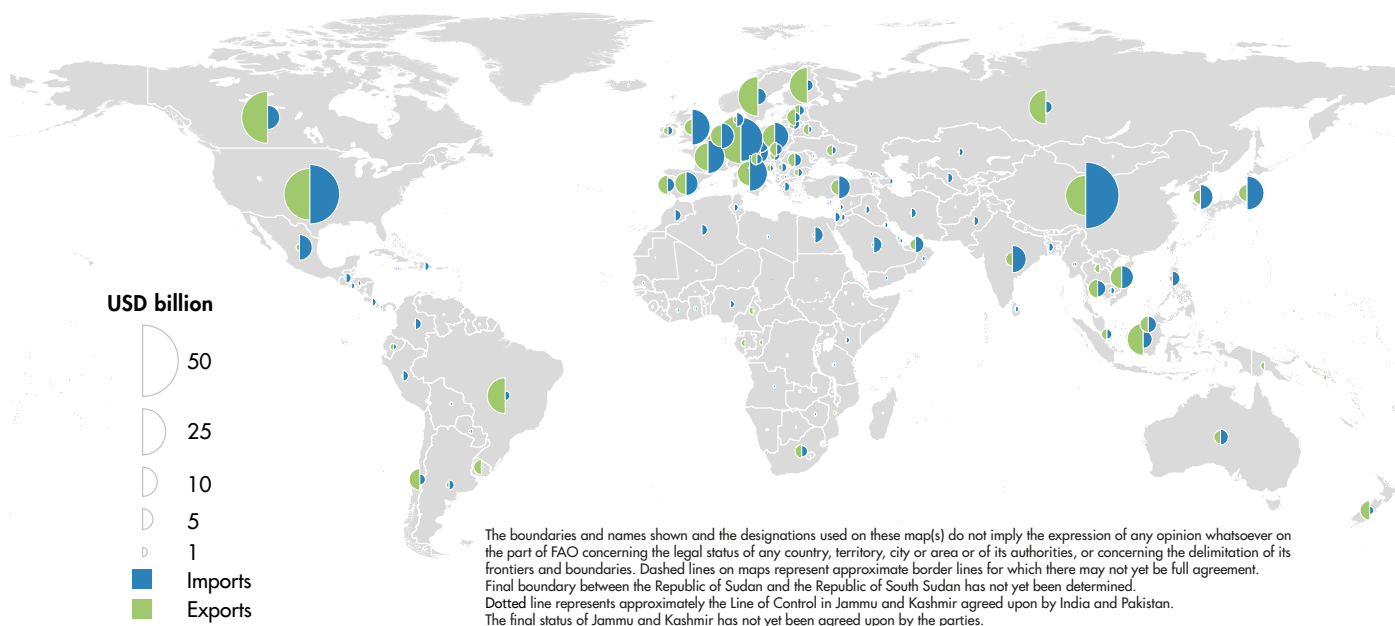
Download: <https://doi.org/10.4060/cc8166en-map20>

MAP 21.
AQUACULTURE PRODUCTION (2022)



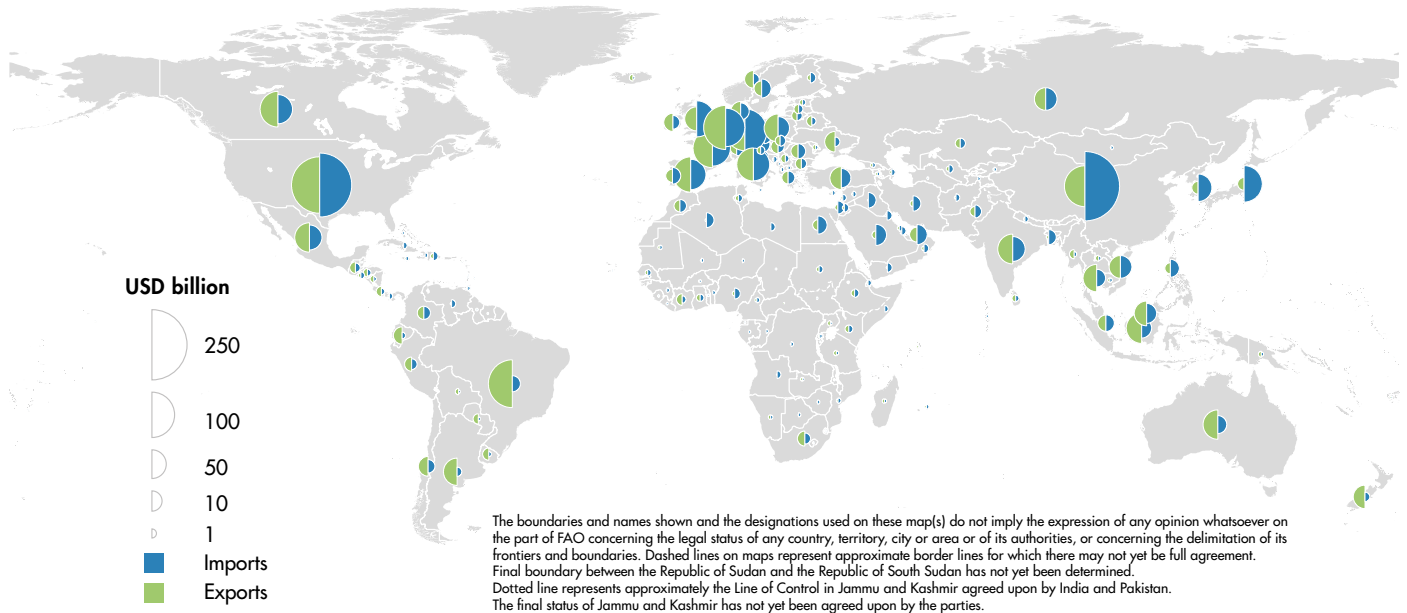
Note: Excludes aquatic mammals, crocodiles, alligators and caimans, pearls and shells, corals, sponges and algae.
 Source: FAO. 2024. FishStat: Global production by production source 1950–2022. [Accessed on 15 November 2024]. In: FishStat]. <https://www.fao.org/fishery/en/statistics/software/fishstatj>.
 Licence: CC-BY-4.0.
 Download: <https://doi.org/10.4060/cc8166en-map21>

MAP 22.
IMPORTERS AND EXPORTERS OF FOREST PRODUCTS (2022)



Source: FAO. 2023. FAOSTAT: Forestry Production and Trade. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/FO>. Licence: CC-BY-4.0.
 Download: <https://doi.org/10.4060/cc8166en-map22>

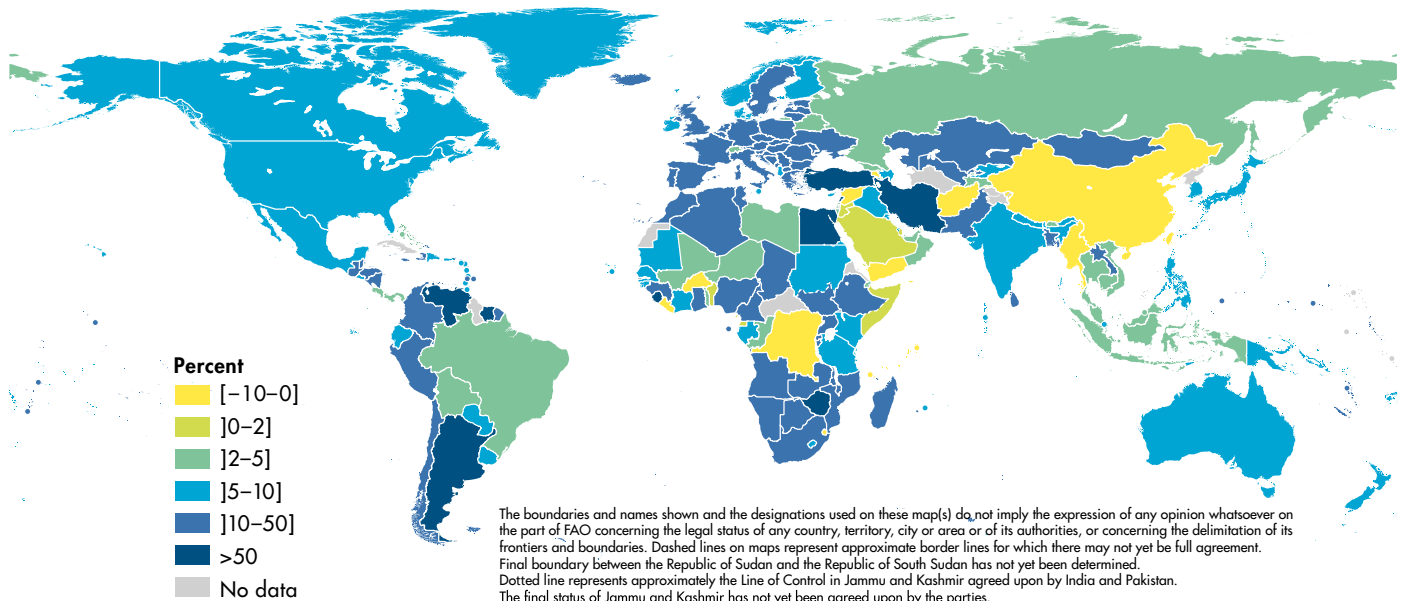
MAP 23.
IMPORTERS AND EXPORTERS OF FOOD (2022)



Note: Values for aquatic animal foods exclude trade of aquatic mammals, crocodiles, alligators and caimans, fishmeal, fish oil, ornamental fish, fish for culture and algae.
Source: FAO. 2023. FAOSTAT: Trade: Crops and livestock products. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/TCL>. Licence: CC-BY4.0. and FAO. 2024. FishStat: Global aquatic trade - All partners aggregated (1976 - 2022). [Accessed on 15 November 2024]. In: FishStat. https://www.fao.org/fishery/en/collection/global_commodity_prod. Licence: CC-BY4.0.

Download: <https://doi.org/10.4060/cc8166en-map23>

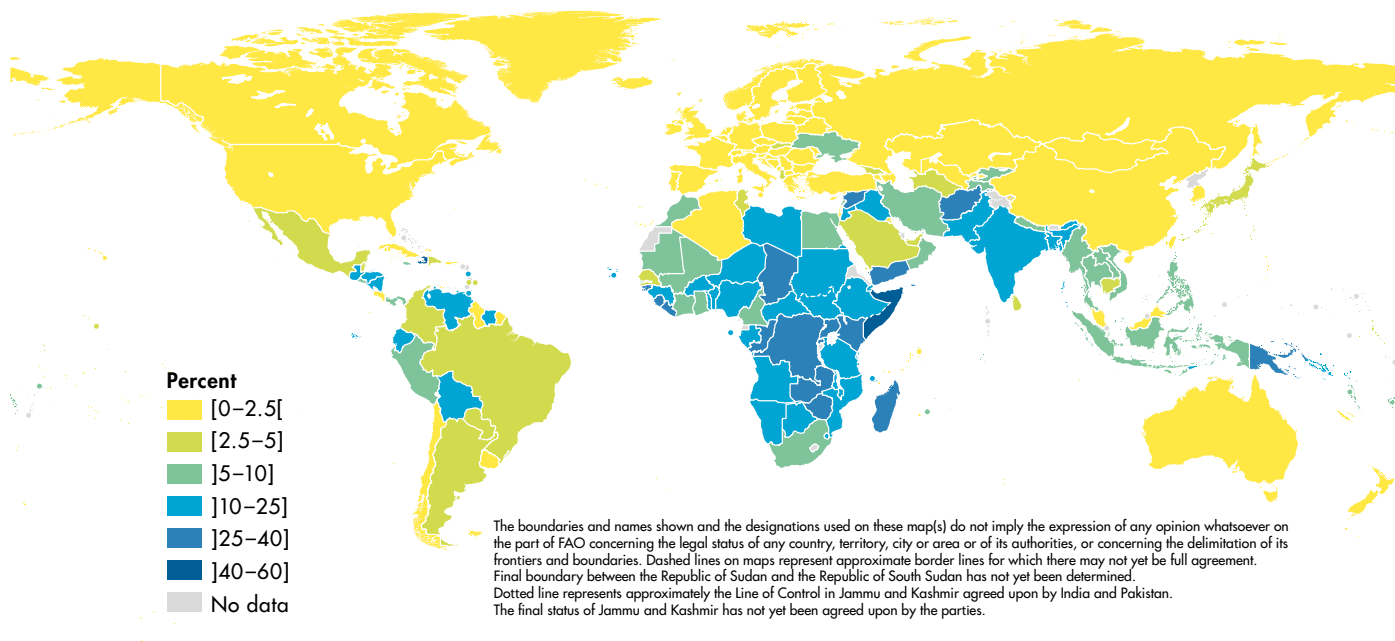
MAP 24.
INFLATION IN FOOD CONSUMER PRICES (2023 AVERAGE)



Source: FAO. 2024. FAOSTAT: Consumer Price Indices. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/CP>. Licence: CC-BY4.0.

Download: <https://doi.org/10.4060/cc8166en-map24>

MAP 25.
PREVALENCE OF UNDERNOURISHMENT (2021–2023 AVERAGE)

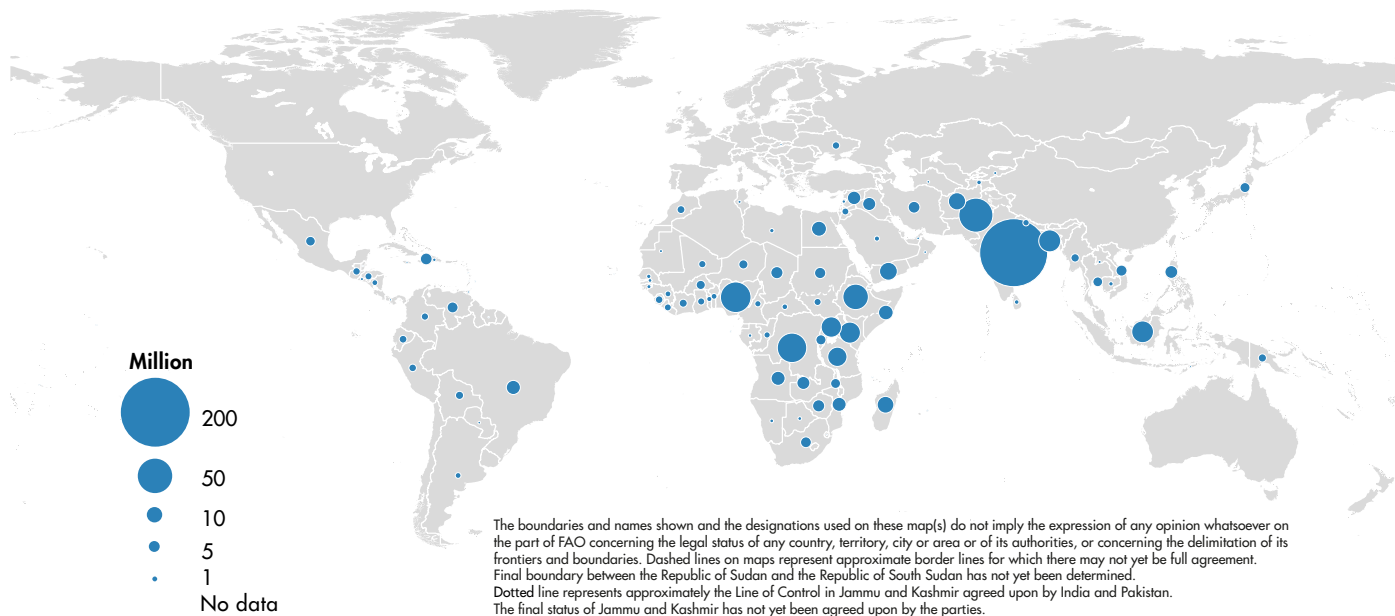


Note: The 2021–2023 average values reflect 2023 projections that are based on nowcasts.

Source: FAO. 2024. FAOSTAT: Suite of Food Security Indicators. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/FS>. Licence: CC-BY-4.0.

Download: <https://doi.org/10.4060/cc8166en-map25>

MAP 26.
NUMBER OF UNDERNOURISHED PEOPLE (2021–2023 AVERAGE)

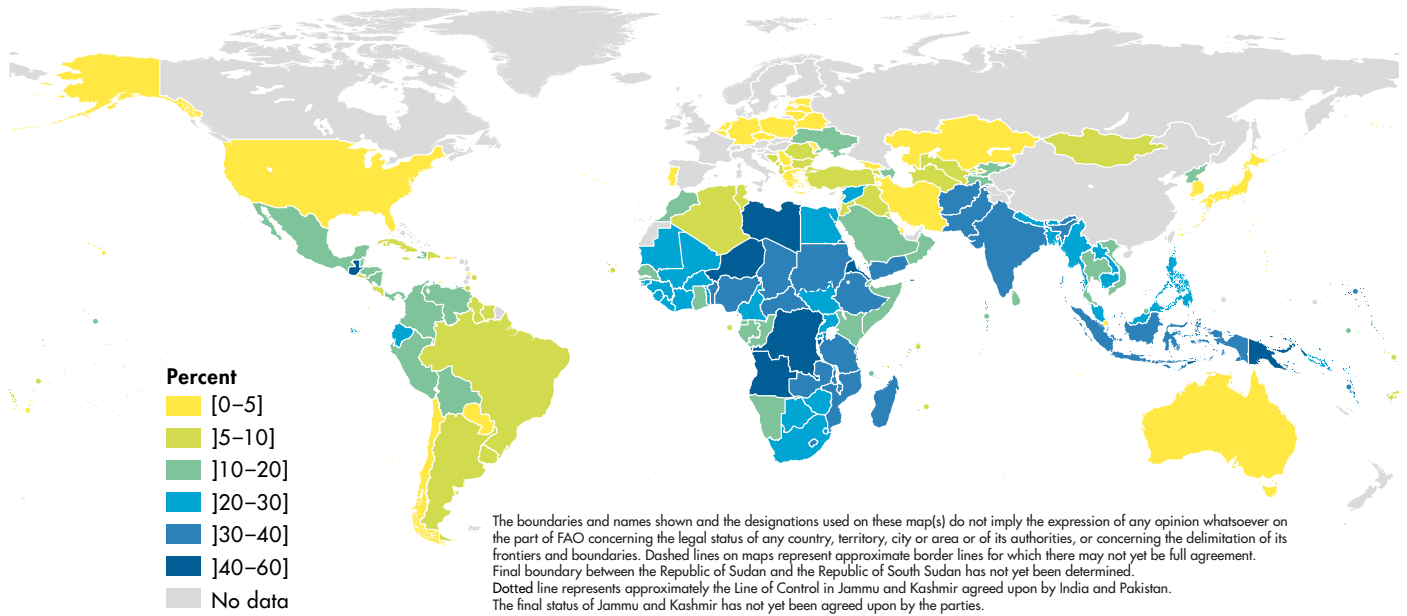


Note: The 2021–2023 average values reflect 2023 projections that are based on nowcasts.

Source: FAO. 2024. FAOSTAT: Suite of Food Security Indicators. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/FS>. Licence: CC-BY-4.0.

Download: <https://doi.org/10.4060/cc8166en-map26>

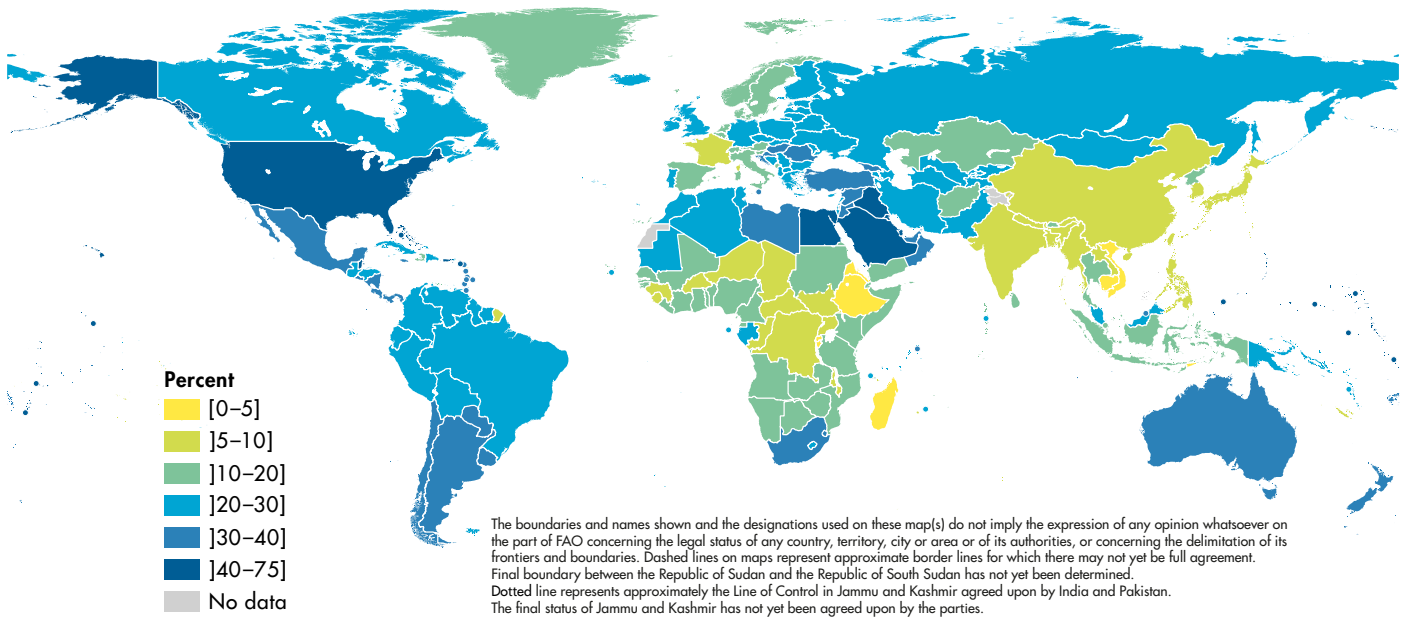
MAP 27.
PREVALENCE OF STUNTING IN CHILDREN UNDER 5 YEARS (2022)



Source: FAO. 2024. FAOSTAT: Suite of Food Security Indicators. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/FS>. Licence: CC-BY-4.0.

Download: <https://doi.org/10.4060/cc8166en-map27>

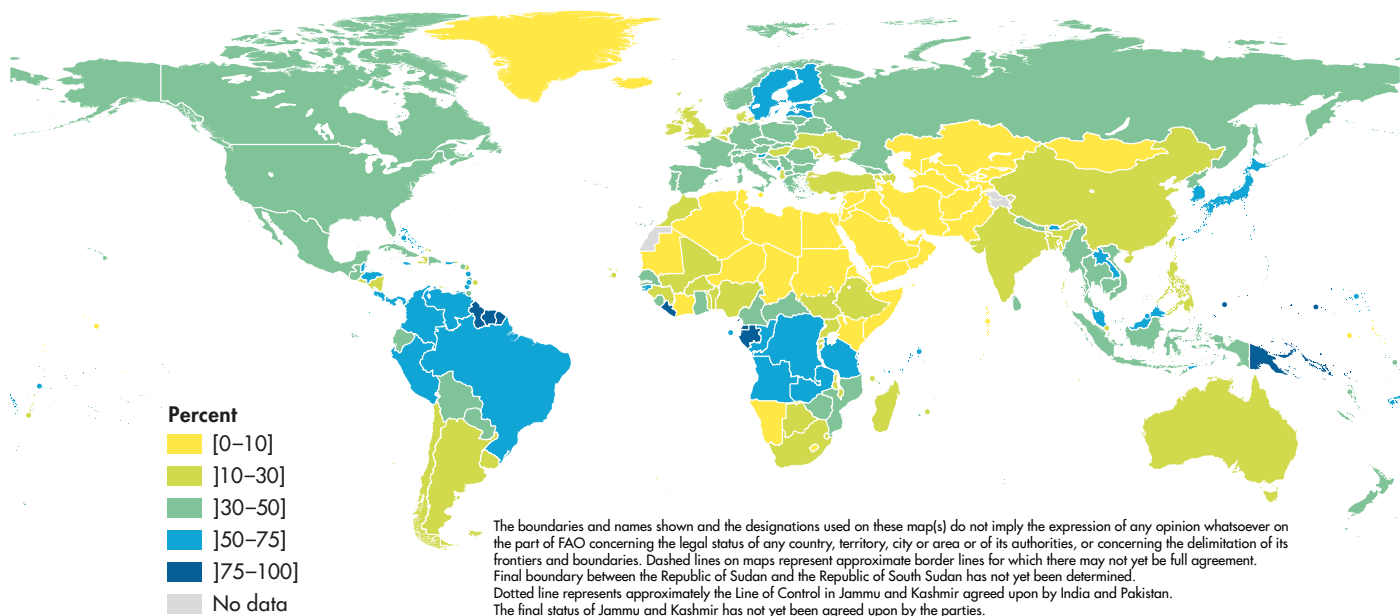
MAP 28.
PREVALENCE OF OBESITY IN THE ADULT POPULATION (2022)



Source: FAO. 2024. FAOSTAT: Suite of Food Security Indicators. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/FS>. Licence: CC-BY-4.0.

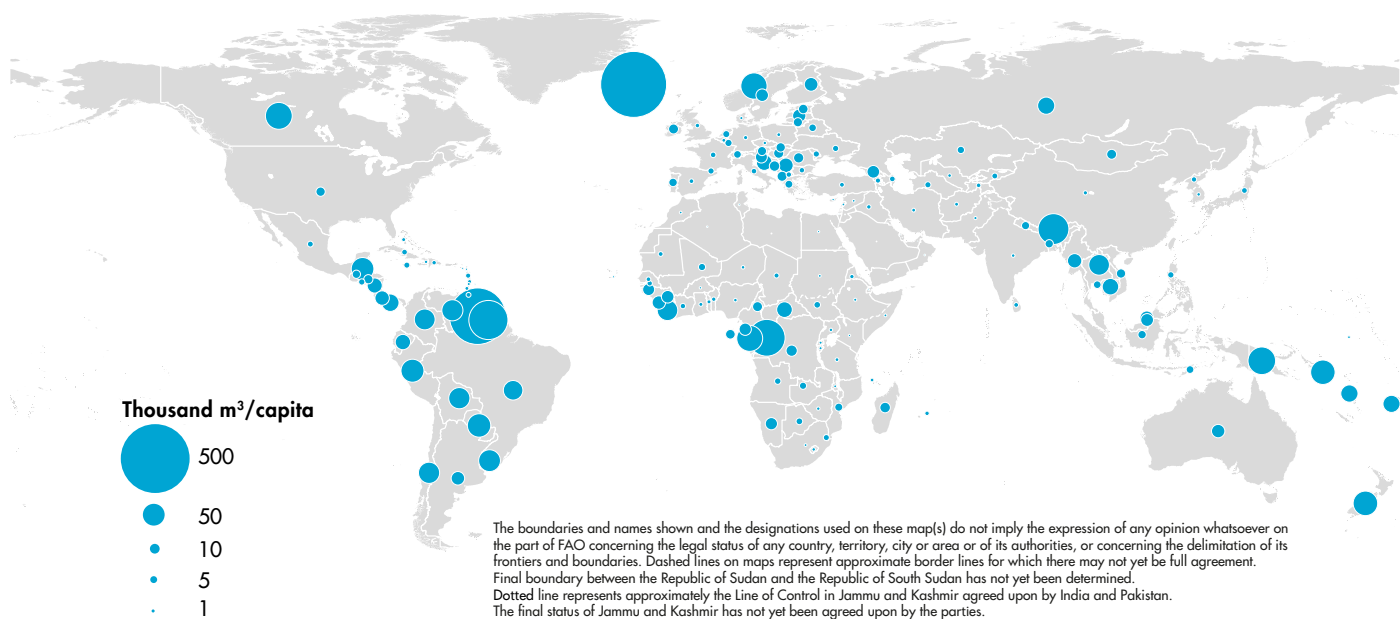
Download: <https://doi.org/10.4060/cc8166en-map28>

MAP 29.
SHARE OF FOREST AREA IN LAND AREA (2022)



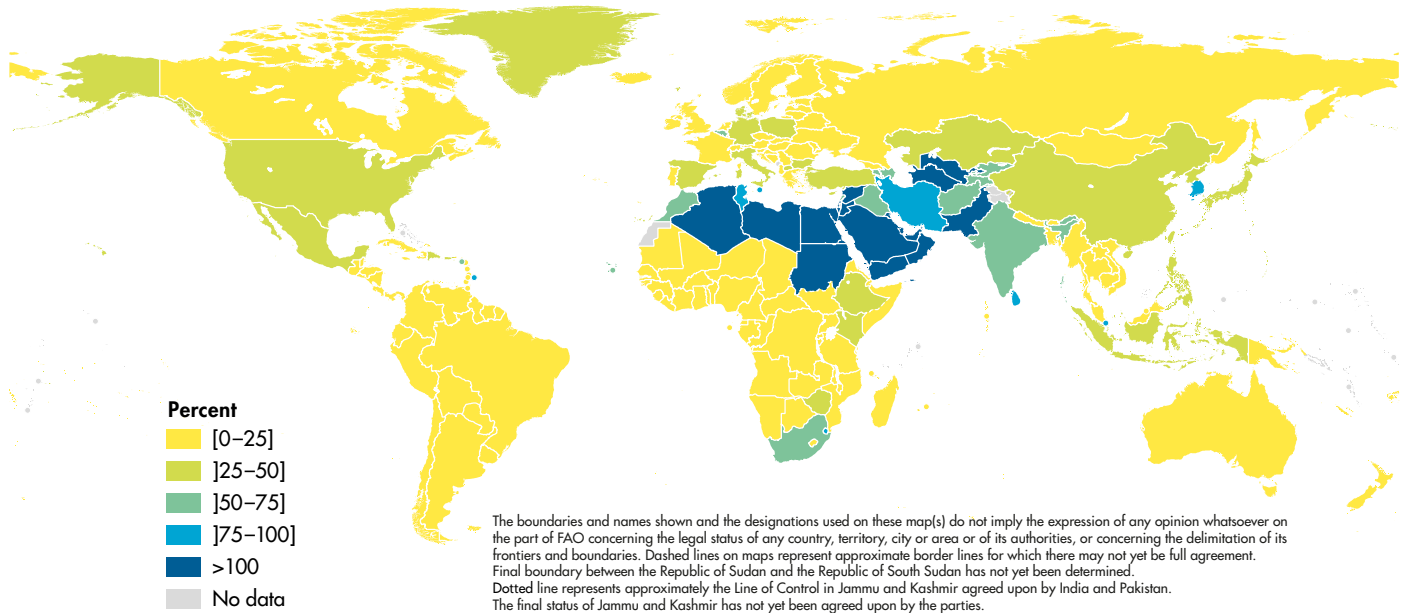
Source: FAO. 2024. FAOSTAT: Land Use. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/RL>. Licence: CC-BY-4.0.
Download: <https://doi.org/10.4060/cc8166en-map29>

MAP 30.
TOTAL RENEWABLE WATER RESOURCES PER CAPITA (2021)



Source: FAO. 2024. AQUASTAT: AQUASTAT Dissemination System. [Accessed on 15 November 2024]. <https://data.apps.fao.org/aquastat/?lang=en>. Licence: CC-BY-4.0.
Download: <https://doi.org/10.4060/cc8166en-map30>

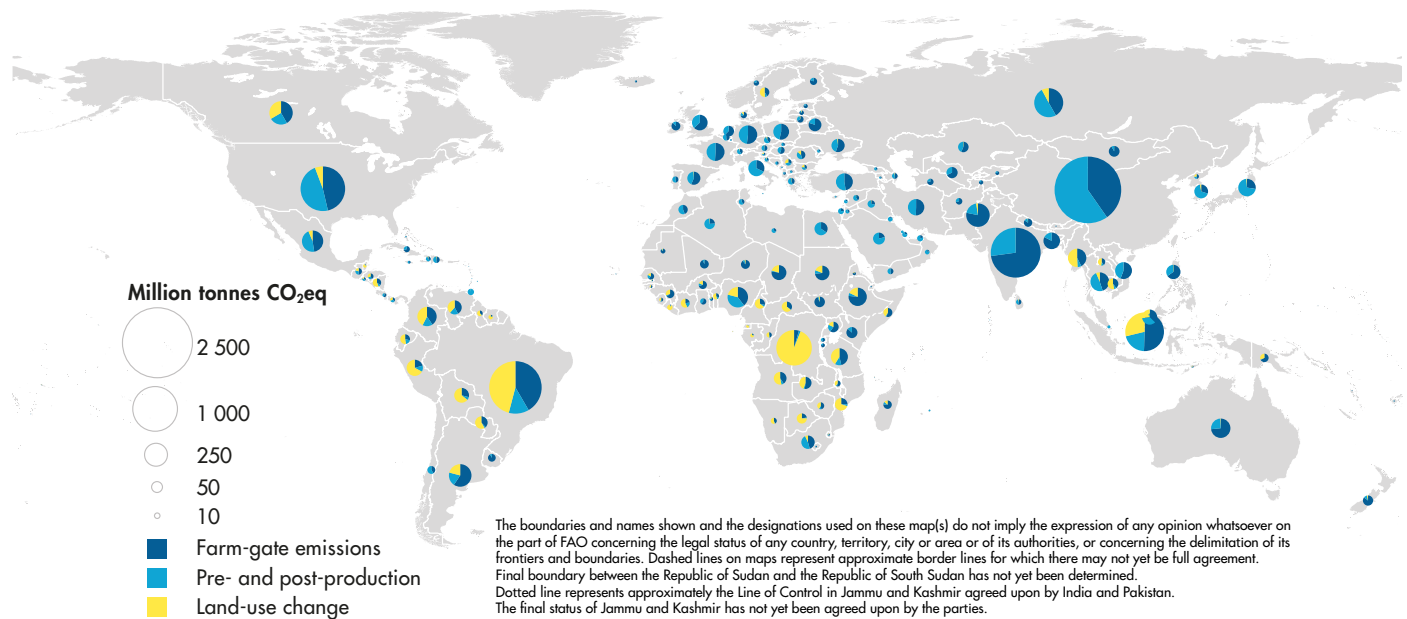
MAP 31.
WATER STRESS (2021)



Source: FAO. 2024. AQUASTAT: AQUASTAT Dissemination System. [Accessed on 15 November 2024]. <https://data.apps.fao.org/aquastat/?lang=en>. Licence: CC-BY-4.0.

Download: <https://doi.org/10.4060/cc8166en-map31>

MAP 32.
GREENHOUSE GAS EMISSIONS FROM AGRIFOOD SYSTEMS (2022)



Source: FAO. 2024. FAOSTAT: Emissions totals. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/GT>. Licence: CC-BY-4.0.

Download: <https://doi.org/10.4060/cc8166en-map32>

ANNEX 4: DATA TABLES

CHAPTER 1: ECONOMIC DIMENSIONS OF AGRICULTURE

TABLE 1.
VALUE ADDED OF AGRICULTURE, FORESTRY AND FISHING (USD MILLION, 2015 PRICES)

COUNTRY	2000	2005	2010	2015	2018	2019	2020	2021	2022
World	2 026 208.7	2 357 186.0	2 720 394.1	3 172 000.1	3 445 906.9	3 536 838.2	3 616 144.2	3 756 731.5	3 830 039.0
Africa	170 350.7	227 811.6	292 567.1	360 915.1	402 817.9	413 184.7	424 097.4	438 699.5	449 091.8
Americas	323 060.8	385 264.8	406 861.8	464 277.3	490 022.0	482 954.6	485 744.7	497 666.9	483 397.0
Asia	1 214 959.2	1 410 701.9	1 677 529.5	1 976 264.9	2 180 107.3	2 264 914.4	2 330 205.0	2 437 594.8	2 522 828.9
Europe	280 862.5	293 347.4	300 885.0	327 212.9	330 324.5	335 932.8	329 840.2	331 478.6	322 323.0
Oceania	36 975.5	40 060.5	42 550.8	43 329.8	42 635.1	39 851.6	46 256.9	51 291.6	52 398.3
Afghanistan	3 260.0	3 823.5	4 471.1	4 532.8	5 294.0	6 748.9	7 044.2	6 355.2	5 938.0
Albania	1 366.5	1 577.8	1 963.0	2 252.4	2 344.9	2 359.6	2 391.5	2 434.5	2 435.9
Algeria	7 027.5	10 091.5	13 664.6	19 218.2	20 370.4	20 920.4	21 276.1	20 871.8	21 041.7
Andorra	11.6	11.9	13.7	14.3	16.1	15.7	14.9	15.4	15.5
Angola	3 185.4	4 622.7	7 003.4	10 599.8	10 884.5	10 718.0	10 921.3	12 777.0	13 280.8
Antigua and Barbuda	18.8	23.9	20.4	21.6	25.9	26.3	26.7	26.9	24.5
Argentina	23 529.7	29 065.9	31 649.1	33 255.6	27 999.0	34 000.7	31 446.1	32 042.4	30 603.5
Armenia	720.7	1 105.9	1 127.4	1 817.6	1 526.2	1 437.6	1 385.0	1 373.5	1 364.2
Australia	26 043.3	28 434.4	31 428.2	29 964.2	28 510.7	25 737.0	31 653.5	36 629.9	37 818.1
Austria	3 861.1	3 903.5	3 997.7	4 313.7	4 774.6	4 620.6	4 273.1	4 544.7	4 845.7
Azerbaijan	1 735.4	2 429.1	2 668.7	3 278.9	3 665.0	3 931.3	4 007.3	4 141.3	4 282.1
Bahamas	133.9	143.7	131.7	96.5	84.4	65.9	76.8	52.0	67.4
Bahrain	74.2	84.7	86.5	98.2	108.0	107.0	107.1	114.9	117.0
Bangladesh	16 634.9	18 815.3	25 552.3	32 560.0	36 259.2	37 441.4	38 722.3	39 951.5	41 171.7
Barbados	83.4	68.6	65.2	71.0	79.7	79.5	80.3	71.9	67.3
Belarus	2 050.0	2 615.5	3 236.7	3 547.2	3 713.7	3 822.3	4 005.4	3 842.9	4 010.9
Belgium	2 586.2	2 673.8	3 035.5	3 172.3	2 814.1	2 849.1	2 831.6	2 896.4	2 486.4
Belize	146.5	226.3	205.7	210.8	206.7	200.5	200.6	238.9	238.6
Benin	1 599.9	1 982.2	2 455.6	3 003.3	3 778.1	3 973.0	4 042.7	4 252.8	4 458.0
Bhutan	234.7	234.9	252.9	280.4	290.4	295.4	307.2	311.6	308.0
Bolivia (Plurinational State of)	2 125.0	2 526.7	2 755.7	3 379.1	4 008.9	4 221.4	4 353.4	4 432.1	4 598.4
Bosnia and Herzegovina	800.1	975.7	1 035.2	990.4	1 070.3	1 047.5	1 116.9	1 026.7	1 042.3
Botswana	245.3	214.8	299.0	263.5	299.9	307.3	299.1	296.0	303.2
Brazil	45 625.6	56 286.1	66 067.6	77 840.2	85 315.2	85 669.2	89 245.6	89 248.7	87 692.5
Brunei Darussalam	98.4	138.3	123.1	142.6	133.3	131.4	150.3	175.7	169.9
Bulgaria	2 803.3	2 771.4	2 145.4	2 062.1	2 355.8	2 452.4	2 371.4	3 055.4	2 919.5
Burkina Faso	1 640.2	2 043.8	2 351.1	2 675.9	3 021.5	2 994.2	3 177.1	2 979.9	3 233.4
Burundi	1 044.1	1 019.1	962.1	990.6	1 095.2	1 126.0	1 157.5	1 197.0	1 187.4
Cabo Verde	104.1	76.9	91.3	112.1	90.7	79.1	87.0	90.2	77.7
Cambodia	2 661.0	3 406.6	4 372.2	4 797.7	5 006.9	4 973.4	5 004.2	5 058.2	5 107.7
Cameroon	3 401.7	3 830.1	4 506.1	5 539.0	6 045.4	6 279.0	6 365.2	6 552.1	6 827.7
Canada	21 675.4	25 215.1	24 196.0	29 095.5	30 869.2	31 581.5	31 919.9	29 793.1	32 829.5

TABLE 1.
VALUE ADDED OF AGRICULTURE, FORESTRY AND FISHING (USD MILLION, 2015 PRICES) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2018	2019	2020	2021	2022
Central African Republic	809.5	847.6	918.6	534.2	599.0	622.2	644.0	667.2	691.7
Chad	1 125.9	1 733.3	3 244.6	3 867.7	5 976.9	5 982.3	6 216.2	6 601.6	6 733.6
Chile	4 555.5	6 797.8	7 711.8	8 875.9	9 529.6	9 461.0	9 205.6	9 603.1	9 610.9
China	517 628.3	627 715.4	782 644.9	961 313.6	1 073 041.8	1 107 906.6	1 144 569.1	1 225 611.4	1 278 448.5
Colombia	12 141.9	13 825.9	14 567.7	17 551.5	19 340.7	19 866.3	20 330.6	20 953.9	20 583.5
Comoros	231.7	272.7	228.9	295.5	367.1	391.6	408.8	416.9	426.1
Congo	461.6	539.9	589.9	722.0	799.3	798.5	836.4	861.3	892.8
Costa Rica	2 049.6	2 260.8	2 566.0	2 680.5	3 045.2	3 000.5	2 959.4	3 051.8	2 925.2
Côte d'Ivoire	6 003.5	6 128.1	5 893.4	8 406.9	10 973.5	11 238.3	12 243.1	12 370.5	13 000.9
Croatia	1 915.3	2 062.1	2 031.5	1 490.7	1 646.0	1 677.2	1 674.5	1 836.0	1 756.3
Cuba	3 105.6	2 769.1	2 901.9	3 344.8	3 582.0	3 189.6	2 458.4	2 135.0	2 005.4
Cyprus	605.3	596.4	445.7	371.8	393.8	418.1	410.4	409.8	413.2
Czechia	4 034.5	4 939.9	3 756.9	4 157.8	4 382.0	4 587.6	5 094.7	4 336.3	3 974.3
Democratic People's Republic of Korea	2 723.9	3 399.1	3 148.7	3 524.4	3 501.1	3 549.3	3 279.9	3 483.1	3 408.8
Democratic Republic of the Congo	4 908.4	4 788.2	5 689.0	6 965.7	7 423.6	7 657.0	7 850.9	8 037.0	8 227.3
Denmark	2 960.3	2 832.9	2 982.0	2 898.3	2 761.3	2 813.9	2 879.8	2 730.7	2 545.0
Djibouti	36.1	43.1	42.0	28.4	42.2	47.7	53.1	59.2	59.0
Dominica	75.1	65.5	64.7	76.0	48.8	59.4	61.3	75.7	79.8
Dominican Republic	2 187.8	2 582.1	3 282.4	3 902.6	4 602.8	4 791.0	4 926.8	5 056.8	5 311.5
Ecuador	5 208.5	6 501.3	7 306.2	9 387.8	10 003.6	10 165.4	10 201.7	10 547.2	10 440.4
Egypt	22 042.4	26 527.1	31 315.2	36 204.7	39 736.0	41 066.0	42 421.4	44 416.2	46 181.3
El Salvador	1 529.7	1 341.2	1 465.1	1 296.1	1 375.2	1 389.5	1 328.7	1 382.4	1 390.2
Equatorial Guinea	167.3	167.4	159.6	248.8	248.8	227.4	222.2	232.5	240.9
Eritrea	243.2	379.3	310.6	352.2	387.6	403.5	399.4	412.0	422.8
Estonia	418.9	436.7	541.7	654.0	476.7	585.4	609.3	491.2	374.8
Eswatini	279.3	321.8	310.9	379.7	352.4	355.5	328.7	337.0	332.0
Ethiopia	8 651.4	11 085.3	16 560.8	22 744.3	25 697.9	26 683.3	27 818.4	29 362.2	31 158.7
Fiji	332.4	332.3	311.0	368.6	377.2	394.3	406.6	409.8	426.6
Finland	4 184.5	4 104.7	4 844.4	5 283.6	5 475.5	5 759.4	5 883.6	5 955.7	5 768.3
France	34 340.8	34 136.3	36 489.6	39 148.9	38 588.1	37 696.6	35 390.0	33 827.8	36 363.4
Gabon	420.1	475.8	466.3	619.6	849.5	916.4	960.8	1 068.9	1 119.8
Gambia	303.0	333.8	448.3	306.1	302.8	302.4	334.5	380.2	397.2
Georgia	1 063.6	1 290.1	1 006.5	1 168.4	1 193.6	1 201.4	1 298.2	1 317.5	1 356.4
Germany	21 778.0	20 194.7	24 119.7	22 979.9	19 737.4	22 426.1	23 035.0	24 873.4	23 338.3
Ghana	5 560.1	7 131.2	8 882.1	9 998.1	11 441.5	11 974.1	12 846.3	13 932.7	14 511.5
Greece	8 516.4	8 699.9	7 271.8	7 559.5	7 749.1	8 227.2	7 531.5	7 247.8	8 124.4
Grenada	42.9	23.6	35.9	74.1	57.7	56.4	48.2	55.8	57.2
Guatemala	3 956.7	4 597.8	5 149.0	6 198.1	6 720.5	6 834.7	6 828.5	7 120.5	7 302.5
Guinea	859.0	1 025.6	1 232.8	1 625.0	2 132.3	2 476.3	2 478.4	2 684.2	2 810.3
Guinea-Bissau	347.8	410.3	448.3	490.1	553.5	585.6	581.0	605.0	623.2
Guyana	282.8	699.6	883.6	1 088.9	1 162.9	1 157.1	1 205.1	1 095.8	1 224.0
Haiti	2 225.5	2 450.8	2 645.9	2 448.7	2 540.1	2 569.2	2 430.3	2 329.9	2 224.0

TABLE 1.
VALUE ADDED OF AGRICULTURE, FORESTRY AND FISHING (USD MILLION, 2015 PRICES) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2018	2019	2020	2021	2022
Honduras	1 507.6	1 725.1	1 992.2	2 562.9	3 041.2	3 009.7	2 821.4	2 833.7	2 813.5
Hungary	3 615.4	4 990.0	3 968.5	4 743.6	5 241.7	5 140.2	4 726.5	4 809.9	3 660.5
Iceland	922.0	954.7	838.2	926.8	999.4	1 099.8	1 098.2	1 194.2	1 185.7
India	228 142.8	259 599.1	303 288.4	347 227.6	403 615.3	428 479.3	446 097.2	461 737.1	480 030.9
Indonesia	67 446.1	78 970.6	94 801.8	116 152.0	129 617.6	134 292.3	136 671.9	139 229.3	142 368.7
Iran (Islamic Republic of)	27 222.9	35 330.2	33 313.6	42 103.2	44 628.9	48 703.2	50 244.7	48 930.8	49 591.4
Iraq	8 528.6	11 038.7	8 427.0	6 991.0	8 059.4	11 779.6	14 424.7	11 459.3	10 248.9
Ireland	2 416.3	2 048.9	2 006.3	2 607.5	2 702.7	3 436.3	3 483.7	3 597.3	3 822.8
Israel	2 971.6	3 946.5	4 736.5	4 303.9	4 527.2	4 556.6	4 249.1	4 535.1	4 763.3
Italy	38 294.5	36 211.1	36 539.6	37 915.7	37 144.0	36 556.0	34 872.9	34 484.2	33 861.7
Jamaica	788.6	681.5	803.8	895.6	1 015.5	1 019.6	1 004.9	1 088.3	1 186.7
Japan	66 223.0	52 225.6	51 546.5	45 965.9	39 728.5	41 456.8	38 347.2	39 594.7	39 081.6
Jordan	695.3	1 101.4	1 651.9	1 694.8	1 840.5	1 860.6	1 883.7	1 937.5	2 000.9
Kazakhstan	5 140.0	6 792.9	7 359.2	8 685.7	10 149.6	10 135.5	10 728.5	10 490.2	11 444.8
Kenya	8 442.2	9 953.0	11 821.2	13 652.2	14 445.5	14 835.1	15 520.9	15 466.1	15 212.5
Kiribati	36.4	30.4	33.3	36.9	45.2	46.3	45.5	47.7	49.2
Kuwait	193.4	283.1	550.2	616.2	634.2	605.2	582.0	575.4	567.0
Kyrgyzstan	679.5	773.8	838.6	939.0	1 013.2	1 038.3	1 047.3	999.6	1 072.7
Lao People's Democratic Republic	1 556.0	1 757.1	2 152.3	2 531.0	2 709.5	2 742.5	2 774.2	2 842.2	2 937.5
Latvia	603.9	771.7	797.8	952.4	895.0	1 074.4	1 070.0	1 082.1	1 161.0
Lebanon	1 493.4	1 472.6	1 547.6	1 640.0	1 948.8	1 944.9	2 360.4	2 193.6	2 302.0
Lesotho	105.6	87.5	91.7	89.2	94.5	94.1	108.3	119.7	122.4
Liberia	838.9	576.8	1 214.5	1 588.6	1 209.5	1 214.7	1 279.4	1 293.2	1 314.3
Libya	1 404.5	1 627.4	1 527.9	2 136.9	1 423.2	1 711.0	1 006.8	1 327.7	1 131.6
Lithuania	1 123.6	1 154.4	1 121.3	1 416.8	1 215.0	1 340.6	1 582.0	1 449.2	1 452.4
Luxembourg	233.7	140.2	154.4	134.3	139.9	129.5	119.0	127.6	129.2
Madagascar	2 439.7	2 680.7	2 950.7	2 914.9	3 002.9	3 181.1	3 199.1	3 088.4	3 116.0
Malawi	1 284.9	1 221.6	1 567.9	2 034.9	2 251.1	2 383.9	2 464.6	2 557.1	2 581.1
Malaysia	16 430.4	19 211.7	21 928.5	24 974.8	25 512.0	26 007.7	25 376.0	25 322.7	25 335.8
Maldives	200.6	297.0	215.8	228.5	263.4	242.2	258.0	256.2	264.1
Mali	1 148.9	1 568.1	2 867.2	4 875.5	6 030.9	6 357.8	6 193.5	6 333.0	6 931.8
Malta	86.1	137.4	107.1	102.4	97.3	69.6	112.0	163.6	167.4
Marshall Islands	13.6	13.6	18.7	22.9	27.9	45.5	44.3	48.2	55.3
Mauritania	1 004.9	1 010.2	1 145.4	1 272.2	1 542.2	1 674.5	1 631.5	1 569.6	1 689.6
Mauritius	279.9	270.8	337.5	368.9	376.9	392.8	385.3	413.0	427.0
Mexico	28 086.2	30 097.0	33 418.9	37 432.4	40 761.0	40 882.8	41 340.6	42 297.9	42 972.3
Micronesia (Federated States of)	70.0	68.4	69.7	82.9	78.4	80.5	74.9	69.8	65.1
Mongolia	806.0	786.0	867.0	1 636.0	1 831.2	1 927.3	2 039.6	1 926.8	2 158.2
Montenegro	235.1	275.4	285.7	326.7	339.8	332.4	336.1	334.5	324.7
Morocco	5 198.1	7 276.9	9 829.6	13 024.6	14 758.2	14 303.4	13 754.4	16 117.6	14 699.7
Mozambique	1 603.9	2 335.5	3 309.7	3 819.9	4 279.5	4 359.0	4 528.2	4 682.2	4 937.8
Myanmar	6 804.6	10 897.2	15 052.6	16 744.0	13 825.0	14 047.6	14 234.9	17 991.3	18 545.3
Namibia	787.5	1 067.7	907.5	753.8	824.0	798.6	848.8	859.9	882.3

TABLE 1.
VALUE ADDED OF AGRICULTURE, FORESTRY AND FISHING (USD MILLION, 2015 PRICES) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2018	2019	2020	2021	2022
Nauru	2.1	2.1	1.3	2.5	2.4	2.5	2.5	2.6	2.6
Nepal	3 805.1	4 645.7	5 321.9	6 276.2	6 767.5	7 116.5	7 289.5	7 497.2	7 665.2
Netherlands (Kingdom of the)	10 914.3	11 372.4	12 448.2	13 195.7	13 377.6	13 608.2	13 722.5	13 898.8	13 491.8
New Zealand	6 695.0	7 201.2	6 334.7	7 961.8	8 228.5	8 058.5	8 442.8	8 417.5	8 144.1
Nicaragua	1 418.2	1 637.6	1 965.3	2 055.1	2 376.4	2 470.5	2 470.3	2 630.8	2 673.8
Niger	1 373.5	1 828.7	2 558.7	3 136.8	4 183.0	4 324.6	4 659.2	4 421.7	4 587.6
Nigeria	30 966.3	60 877.5	83 470.0	102 041.8	112 224.6	114 876.0	117 368.1	119 864.1	122 120.1
North Macedonia	863.6	906.5	1 004.1	979.0	924.3	925.0	948.0	903.3	922.1
Norway	3 586.9	4 248.3	5 466.2	5 751.9	5 577.3	5 632.1	6 017.9	6 389.3	6 512.1
Oman	678.0	687.6	862.2	1 361.4	1 901.8	1 982.6	2 266.0	2 469.3	2 738.1
Pakistan	43 365.1	48 238.5	57 811.3	68 304.3	73 214.6	73 902.2	76 795.2	79 464.3	82 962.9
Palau	10.3	9.3	10.6	8.8	9.6	9.2	8.4	8.2	8.1
Panama	1 272.4	1 590.3	1 429.7	1 610.5	1 730.2	1 827.2	1 861.4	1 949.5	2 050.5
Papua New Guinea	2 842.9	3 057.2	3 368.0	3 792.2	4 166.5	4 260.6	4 340.1	4 387.0	4 523.3
Paraguay	1 422.0	1 853.8	3 038.5	3 418.5	3 765.0	3 637.5	3 908.2	3 428.4	3 143.6
Peru	8 495.2	9 397.8	11 519.4	13 372.8	15 358.6	15 588.7	15 739.3	16 572.7	17 075.4
Philippines	21 236.9	25 968.6	29 935.1	33 698.3	35 180.8	35 604.7	35 535.5	35 432.1	35 597.6
Poland	9 442.9	11 430.7	12 863.5	11 942.4	11 002.0	10 759.8	12 401.4	10 973.3	11 097.8
Portugal	3 906.1	3 880.9	3 845.2	4 184.5	4 173.9	4 313.1	4 171.9	4 333.8	4 105.2
Qatar	96.1	95.4	166.0	260.9	396.8	463.1	484.2	486.4	523.8
Republic of Korea	23 930.8	23 687.5	27 306.2	29 372.7	28 386.1	29 503.4	27 796.0	29 236.2	28 940.3
Republic of Moldova	814.1	999.6	862.5	999.8	1 281.4	1 249.3	929.5	1 402.6	1 040.1
Romania	6 984.1	8 738.6	6 878.4	7 873.1	10 339.2	10 009.3	8 480.6	9 641.8	8 066.5
Russian Federation	41 271.0	46 759.2	46 040.9	52 809.1	55 458.9	57 373.0	57 503.3	57 028.7	60 821.3
Rwanda	935.6	1 250.8	1 586.8	2 045.8	2 362.1	2 480.7	2 501.6	2 661.9	2 702.5
Saint Kitts and Nevis	6.0	10.2	8.1	8.1	8.1	8.0	8.0	8.8	8.9
Saint Lucia	57.9	34.4	34.9	38.9	43.4	45.7	39.7	39.2	43.0
Saint Vincent and the Grenadines	52.8	48.8	48.5	49.2	57.4	56.5	57.4	40.5	38.1
Samoa	104.3	87.7	72.3	69.8	70.2	71.9	67.7	67.6	63.8
San Marino	0.6	0.5	0.4	0.3	0.2	0.2	0.2	0.3	0.3
Sao Tome and Principe	24.8	27.5	33.9	38.0	38.0	38.3	37.8	37.8	37.6
Saudi Arabia	11 985.5	12 798.3	14 881.4	18 564.3	20 876.9	21 344.0	20 989.9	21 545.4	22 387.4
Senegal	1 823.0	1 950.0	2 391.1	2 536.8	3 222.0	3 360.4	3 771.8	3 792.8	3 772.6
Serbia	2 140.5	2 514.8	2 521.6	2 662.4	2 918.0	2 869.9	2 936.6	2 770.0	2 540.4
Seychelles	32.9	31.3	24.4	29.4	40.9	42.5	36.7	37.0	40.0
Sierra Leone	784.2	1 523.2	2 100.0	2 496.0	2 815.6	2 968.4	3 016.8	3 092.3	3 180.6
Singapore	119.9	84.8	86.6	100.4	106.2	113.5	108.4	120.7	111.3
Slovakia	561.9	883.4	1 229.4	1 951.4	2 265.3	1 910.9	1 945.1	1 920.9	1 965.0
Slovenia	789.8	807.8	810.2	903.4	1 023.5	982.8	1 020.2	919.9	896.4
Solomon Islands	224.7	305.2	397.0	434.5	466.9	467.5	449.7	452.8	453.5
Somalia	1 138.4	1 611.9	2 259.7	3 505.5	4 610.5	4 778.4	4 655.7	4 809.8	4 927.2
South Africa	5 460.9	5 871.4	6 676.3	7 740.4	8 785.6	8 212.7	9 678.1	10 398.4	10 490.2
South Sudan			357.7	255.5	160.0	238.3	373.8	198.9	172.3

TABLE 1.
VALUE ADDED OF AGRICULTURE, FORESTRY AND FISHING (USD MILLION, 2015 PRICES) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2018	2019	2020	2021	2022
Spain	28 975.5	26 199.5	29 260.5	32 690.9	35 475.7	33 395.1	33 766.6	35 170.7	28 205.8
Sri Lanka	3 770.5	3 827.2	5 498.1	6 996.0	6 958.0	6 989.6	6 926.7	6 992.1	6 672.5
Sudan			22 242.5	26 818.1	29 430.3	29 783.5	29 038.9	28 864.7	29 421.8
Suriname	272.1	289.8	421.2	533.5	457.1	371.1	332.9	307.8	302.9
Sweden	5 119.6	6 052.4	6 487.6	7 321.8	6 852.4	7 195.0	6 996.0	7 042.9	7 146.4
Switzerland	4 610.6	4 232.2	4 362.4	4 348.3	4 614.3	4 438.4	4 391.2	4 072.8	4 522.2
Syrian Arab Republic	13 393.4	15 887.1	14 387.2	6 686.3	5 833.2	6 179.5	6 352.7	5 704.0	5 568.7
Tajikistan	559.4	902.8	1 288.8	1 730.2	2 099.9	2 247.0	2 424.3	2 416.3	2 609.6
Thailand	28 094.7	32 079.0	34 725.2	35 605.9	39 139.7	38 756.1	37 462.8	38 306.2	39 267.2
Timor-Leste	239.1	267.2	318.3	283.5	279.3	286.2	287.8	303.6	320.0
Togo	934.8	936.5	938.4	1 088.2	1 385.2	1 462.8	1 460.4	1 509.7	1 585.1
Tonga	68.4	62.7	55.6	68.0	65.7	68.1	70.2	70.3	71.9
Trinidad and Tobago	500.3	512.4	323.3	448.2	487.9	418.5	367.5	354.6	313.9
Tunisia	2 887.9	3 124.3	3 352.6	4 214.4	4 363.0	4 624.6	4 635.7	4 519.8	4 611.9
Türkiye	40 899.5	44 744.7	49 936.8	59 364.3	62 065.4	63 924.2	67 637.3	65 580.8	66 414.2
Turkmenistan	2 898.3	3 001.0	3 202.7	3 355.2	4 019.2	3 870.9	3 744.5	3 930.5	3 990.0
Tuvalu	6.2	6.1	7.9	4.8	4.4	4.2	4.0	4.0	4.0
Uganda	4 593.1	5 536.7	6 058.4	6 600.5	7 349.5	7 905.6	8 301.8	8 445.6	8 828.0
Ukraine	6 834.6	8 176.3	8 664.5	10 977.8	12 308.8	12 432.3	11 102.4	12 782.0	9 158.2
United Arab Emirates	3 769.2	3 466.8	2 462.3	2 679.6	3 051.7	3 355.7	3 252.4	4 138.0	4 232.8
United Kingdom of Great Britain and Northern Ireland	14 622.9	16 954.9	14 431.9	18 480.0	15 560.3	18 168.0	16 478.8	15 361.2	15 533.4
United Republic of Tanzania	6 844.9	8 608.2	10 480.6	12 932.8	15 119.1	15 778.9	16 539.6	17 204.5	17 779.4
United States of America	130 103.8	159 160.0	155 507.7	180 980.2	195 683.1	181 912.3	184 580.2	195 297.3	180 752.7
Uruguay	2 550.9	2 928.9	2 879.7	3 893.8	3 940.8	4 036.5	3 791.8	4 314.2	4 314.1
Uzbekistan	10 187.5	13 769.6	18 546.1	25 187.2	27 047.9	27 879.8	28 675.5	29 809.5	30 870.5
Vanuatu	131.9	144.9	164.6	164.1	174.8	185.7	180.7	184.2	186.6
Venezuela (Bolivarian Republic of)	14 651.3	16 781.9	18 345.3	14 748.2	9 456.3	8 024.3	6 869.1	5 900.7	5 091.3
Viet Nam	20 079.1	24 229.6	29 773.8	34 632.0	37 814.9	38 823.4	40 003.4	41 310.9	42 698.1
Yemen	3 273.0	4 070.4	5 856.6	4 451.0	3 558.5	3 509.7	3 566.8	3 531.5	3 522.5
Zambia	1 302.3	1 213.0	1 059.1	1 058.1	949.7	1 022.9	1 198.9	1 282.0	1 140.5
Zimbabwe	2 073.7	1 453.0	1 331.3	1 653.8	2 070.4	1 855.0	1 932.0	2 269.6	2 409.3

Source: FAO. 2024. FAOSTAT: Macro Indicators. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/MK>. Licence: CC-BY-4.0.

TABLE 2.
SHARE OF AGRICULTURE, FORESTRY AND FISHING VALUE ADDED IN TOTAL GDP (USD 2015 PRICES) (PERCENT)

COUNTRY	2000	2005	2010	2015	2018	2019	2020	2021	2022
World	4.2	4.2	4.2	4.2	4.2	4.2	4.4	4.3	4.3
Africa	14.5	14.9	14.7	15.0	15.3	15.3	16.1	15.8	15.6
Americas	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.7
Asia	10.2	9.2	8.2	7.5	7.1	7.2	7.4	7.3	7.3
Europe	1.8	1.7	1.7	1.7	1.6	1.6	1.7	1.6	1.5
Oceania	3.9	3.6	3.3	2.9	2.7	2.5	2.9	3.0	3.0
Afghanistan	61.1	38.7	29.9	24.2	26.6	30.6	32.6	37.1	37.0
Albania	22.6	19.6	18.8	19.8	18.5	18.2	19.1	17.8	17.0
Algeria	7.3	8.1	9.7	11.6	11.6	11.8	12.6	12.0	11.7
Andorra	0.5	0.4	0.5	0.5	0.5	0.5	0.6	0.5	0.5
Angola	7.9	7.4	7.5	9.1	9.8	9.7	10.4	12.1	12.2
Antigua and Barbuda	1.8	2.0	1.7	1.6	1.7	1.6	2.0	1.9	1.6
Argentina	5.5	6.2	5.3	5.2	4.4	5.5	5.6	5.2	4.7
Armenia	18.5	15.7	13.2	17.2	12.8	11.2	11.6	10.9	9.6
Australia	3.3	3.0	2.9	2.4	2.1	1.9	2.3	2.6	2.6
Austria	1.2	1.1	1.1	1.1	1.2	1.1	1.1	1.1	1.1
Azerbaijan	14.8	11.0	5.7	6.2	7.0	7.3	7.8	7.7	7.6
Bahamas	1.3	1.3	1.2	0.8	0.7	0.5	0.8	0.5	0.5
Bahrain	0.5	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Bangladesh	20.3	17.6	16.6	14.2	12.7	12.2	12.2	11.7	11.3
Barbados	1.9	1.5	1.4	1.5	1.6	1.6	1.9	1.7	1.4
Belarus	7.9	7.0	6.1	6.3	6.4	6.5	6.8	6.4	7.0
Belgium	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.5
Belize	10.8	12.8	10.9	9.6	9.5	8.8	10.2	10.4	9.5
Benin	25.7	26.3	27.0	26.4	28.5	28.0	27.5	27.0	26.6
Bhutan	34.6	23.7	16.5	13.7	11.7	11.3	13.0	12.7	11.9
Bolivia (Plurinational State of)	12.3	12.5	10.9	10.2	10.7	11.1	12.5	12.0	12.0
Bosnia and Herzegovina	7.5	7.4	6.8	6.0	5.9	5.6	6.2	5.3	5.1
Botswana	2.8	2.1	2.6	1.9	1.9	1.9	2.0	1.8	1.7
Brazil	3.8	4.1	3.9	4.3	4.7	4.7	5.1	4.8	4.6
Brunei Darussalam	0.9	1.1	0.9	1.1	1.0	1.0	1.1	1.3	1.3
Bulgaria	9.2	6.9	4.5	4.1	4.3	4.3	4.3	5.1	4.7
Burkina Faso	32.1	29.4	25.9	22.6	21.3	22.2	20.8	18.3	19.6
Burundi	60.8	53.5	40.5	35.2	34.5	34.0	34.8	34.9	34.0
Cabo Verde	11.6	6.2	5.6	6.4	4.6	3.7	5.1	4.9	3.6
Cambodia	44.7	36.9	34.3	26.6	22.5	20.9	21.7	21.3	20.5
Cameroon	19.8	17.7	17.8	17.2	16.7	16.8	16.9	16.8	16.9
Canada	1.9	1.9	1.7	1.9	1.9	1.9	2.0	1.8	1.9
Central African Republic	40.9	43.7	39.4	31.5	31.1	31.4	32.2	33.0	34.1
Chad	35.5	27.4	31.4	26.9	41.1	39.8	42.2	45.4	44.8
Chile	3.4	4.1	3.8	3.6	3.7	3.6	3.7	3.5	3.4
China	17.5	13.5	10.0	8.5	7.8	7.6	7.7	7.6	7.7
Colombia	7.7	7.4	6.2	6.0	6.2	6.2	6.8	6.3	5.8
Comoros	34.9	36.7	30.8	30.6	33.7	34.7	34.8	34.5	34.4

TABLE 2.
SHARE OF AGRICULTURE, FORESTRY AND FISHING VALUE ADDED IN TOTAL GDP (USD 2015 PRICES) (PERCENT) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2018	2019	2020	2021	2022
Congo	6.1	6.8	5.7	5.8	7.6	7.5	8.4	8.6	8.7
Costa Rica	6.7	6.1	5.5	4.7	4.8	4.7	4.8	4.6	4.2
Côte d'Ivoire	27.6	28.2	23.0	18.4	19.9	19.1	20.4	19.3	19.0
Croatia	4.9	4.2	4.0	3.0	3.0	2.9	3.2	3.1	2.8
Cuba	6.8	4.7	3.8	3.8	3.9	3.5	3.0	2.6	2.4
Cyprus	3.9	3.2	2.1	1.9	1.7	1.7	1.7	1.5	1.5
Czechia	3.2	3.2	2.2	2.2	2.1	2.1	2.5	2.1	1.8
Democratic People's Republic of Korea	19.4	21.4	19.9	21.6	22.4	22.6	21.9	23.2	22.8
Democratic Republic of the Congo	29.7	24.0	21.8	18.4	17.4	17.2	17.3	16.7	15.8
Denmark	1.1	1.0	1.1	1.0	0.8	0.8	0.9	0.8	0.7
Djibouti	4.6	4.7	2.9	1.2	1.5	1.6	1.7	1.8	1.8
Dominica	17.6	14.3	11.9	14.1	9.1	10.5	12.9	15.0	14.9
Dominican Republic	6.3	6.3	5.9	5.5	5.4	5.4	5.9	5.4	5.4
Ecuador	9.8	9.6	9.1	9.5	9.8	10.0	10.9	10.8	10.4
Egypt	12.8	12.9	11.3	11.4	10.9	10.7	10.7	10.3	10.0
El Salvador	8.7	7.1	7.1	5.5	5.5	5.4	5.6	5.2	5.1
Equatorial Guinea	5.2	1.7	1.2	1.9	2.3	2.3	2.3	2.4	2.4
Eritrea	14.0	22.6	18.4	17.5	17.6	17.7	17.6	17.6	17.6
Estonia	3.0	2.2	2.8	2.9	1.8	2.2	2.3	1.7	1.3
Eswatini	11.3	10.8	8.8	9.4	8.2	8.1	7.6	7.2	7.2
Ethiopia	52.0	48.7	43.4	36.1	32.4	31.0	30.5	30.5	30.7
Fiji	10.0	8.9	8.0	7.9	7.2	7.6	9.4	10.0	8.6
Finland	2.1	1.8	2.1	2.3	2.2	2.3	2.4	2.3	2.2
France	1.7	1.5	1.6	1.6	1.5	1.4	1.5	1.3	1.4
Gabon	4.2	4.5	4.2	4.3	5.7	5.9	6.3	6.9	7.1
Gambia	32.0	30.4	33.2	22.2	19.2	18.0	19.8	21.4	21.3
Georgia	16.7	14.2	8.6	7.8	7.1	6.8	7.8	7.2	6.7
Germany	0.8	0.7	0.8	0.7	0.6	0.6	0.7	0.7	0.6
Ghana	27.3	27.2	25.1	20.0	19.3	18.9	20.2	20.9	21.1
Greece	4.2	3.6	3.0	3.9	3.9	4.0	4.1	3.6	3.8
Grenada	6.0	2.6	4.2	7.4	5.1	5.0	4.9	5.4	5.4
Guatemala	10.7	10.7	10.0	10.0	9.9	9.7	9.8	9.5	9.3
Guinea	16.3	16.8	17.5	18.5	18.7	20.5	19.6	20.2	20.2
Guinea-Bissau	49.8	54.3	50.3	46.8	45.2	45.8	44.8	43.8	43.3
Guyana	16.2	25.8	24.3	25.4	24.2	22.8	16.6	12.5	8.6
Haiti	21.8	22.6	21.4	17.2	16.9	17.3	17.0	16.6	16.1
Honduras	12.8	11.7	11.3	12.2	12.8	12.4	12.7	11.4	10.8
Hungary	3.9	4.4	3.5	3.8	3.7	3.5	3.4	3.2	2.3
Iceland	7.8	6.6	5.5	5.3	4.9	5.3	5.7	5.9	5.5
India	27.9	23.2	19.3	16.2	15.3	15.6	17.3	16.4	15.9
Indonesia	17.1	15.9	14.4	13.5	13.0	12.8	13.3	13.1	12.7
Iran (Islamic Republic of)	11.0	11.1	8.1	10.1	9.7	11.0	11.0	10.2	9.9
Iraq	9.1	11.7	7.0	4.2	4.2	5.8	8.1	6.4	5.3
Ireland	1.5	1.0	1.0	0.9	0.8	0.9	0.9	0.8	0.8

TABLE 2.
SHARE OF AGRICULTURE, FORESTRY AND FISHING VALUE ADDED IN TOTAL GDP (USD 2015 PRICES) (PERCENT) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2018	2019	2020	2021	2022
Israel	1.6	1.9	1.9	1.4	1.3	1.3	1.2	1.2	1.2
Italy	2.1	1.9	1.9	2.1	1.9	1.9	2.0	1.8	1.7
Jamaica	6.0	4.8	5.8	6.3	6.9	6.8	7.5	7.7	8.1
Japan	1.7	1.2	1.2	1.0	0.9	0.9	0.9	0.9	0.9
Jordan	3.8	4.4	4.9	4.4	4.5	4.4	4.6	4.6	4.6
Kazakhstan	7.9	6.3	5.1	4.7	4.9	4.7	5.1	4.8	5.0
Kenya	24.2	23.7	21.2	19.5	18.0	17.6	18.5	17.1	16.0
Kiribati	26.5	21.5	23.7	21.7	25.4	26.6	26.5	25.8	26.3
Kuwait	0.3	0.3	0.6	0.5	0.6	0.5	0.6	0.5	0.5
Kyrgyzstan	19.3	18.3	15.9	14.1	13.4	13.1	14.4	13.0	13.0
Lao People's Democratic Republic	31.6	26.1	21.7	17.6	15.5	14.9	14.6	14.4	14.3
Latvia	3.8	3.3	3.5	3.5	3.0	3.6	3.7	3.5	3.6
Lebanon	5.8	4.7	3.4	3.3	3.9	4.2	6.8	7.0	7.4
Lesotho	8.0	5.7	4.6	3.8	4.1	4.1	5.1	5.5	5.6
Liberia	71.6	61.1	65.9	59.5	43.9	45.1	48.9	47.1	45.7
Libya	2.6	2.2	1.8	4.4	2.1	2.8	2.3	2.4	2.5
Lithuania	5.0	3.6	3.3	3.4	2.6	2.8	3.3	2.8	2.8
Luxembourg	0.6	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2
Madagascar	31.6	31.1	29.7	25.7	23.8	24.1	26.1	23.9	23.2
Malawi	39.0	33.0	29.6	24.8	22.0	22.1	22.6	22.5	22.5
Malaysia	11.1	10.3	9.4	8.3	7.3	7.1	7.4	7.1	6.6
Maldives	10.1	13.6	7.0	5.5	5.1	4.4	7.0	5.0	4.6
Mali	31.2	29.4	32.5	37.2	37.1	36.8	35.6	35.2	35.9
Malta	1.3	1.9	1.3	0.9	0.7	0.5	0.8	1.1	1.0
Marshall Islands	8.9	8.0	10.5	12.5	13.9	20.4	20.3	21.8	24.6
Mauritania	29.5	24.2	23.1	20.6	22.2	22.9	22.5	21.1	21.2
Mauritius	4.2	3.5	3.4	3.1	2.8	2.8	3.3	3.4	3.2
Mexico	3.0	3.0	3.1	3.1	3.2	3.2	3.5	3.4	3.3
Micronesia (Federated States of)	22.5	21.3	22.0	26.2	23.8	24.2	22.9	22.1	20.7
Mongolia	20.9	14.9	12.0	14.1	13.6	13.6	15.1	14.0	14.9
Montenegro	8.8	8.9	7.7	8.1	7.4	7.0	8.3	7.3	6.7
Morocco	10.7	11.7	11.5	11.8	11.8	11.0	11.3	12.3	10.8
Mozambique	30.8	29.4	29.1	23.6	23.7	23.6	24.9	25.1	25.4
Myanmar	48.1	42.1	34.2	26.8	19.3	18.7	19.3	23.8	23.7
Namibia	14.0	15.0	10.3	6.7	7.3	7.1	8.2	8.0	7.9
Nauru	5.0	7.2	3.2	2.4	2.3	2.3	2.3	2.3	2.3
Nepal	33.5	32.6	28.1	26.5	24.3	23.9	25.1	24.6	23.8
Netherlands (Kingdom of the)	1.7	1.7	1.7	1.7	1.6	1.6	1.7	1.6	1.5
New Zealand	5.7	5.1	4.1	4.5	4.1	3.9	4.1	3.9	3.7
Nicaragua	19.4	19.1	20.1	16.1	17.6	18.9	19.2	18.5	18.2
Niger	30.2	32.3	36.4	32.4	36.3	35.4	36.9	34.5	32.0
Nigeria	17.2	22.2	21.6	20.6	22.4	22.5	23.4	23.0	22.7
North Macedonia	13.0	12.4	11.3	9.7	8.6	8.3	8.9	8.1	8.1
Norway	1.2	1.2	1.5	1.5	1.4	1.4	1.5	1.5	1.5

TABLE 2.
SHARE OF AGRICULTURE, FORESTRY AND FISHING VALUE ADDED IN TOTAL GDP (USD 2015 PRICES) (PERCENT) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2018	2019	2020	2021	2022
Oman	1.5	1.4	1.4	1.7	2.3	2.4	2.8	3.0	3.2
Pakistan	29.8	26.0	25.1	23.0	20.8	20.5	21.6	21.0	20.6
Palau	4.3	3.6	4.5	3.1	3.5	3.3	3.4	3.8	3.9
Panama	6.0	6.1	3.8	2.9	2.7	2.7	3.4	3.1	2.9
Papua New Guinea	25.0	24.2	20.6	17.5	17.6	17.2	18.1	18.5	18.1
Paraguay	8.1	8.1	10.2	9.4	9.2	8.9	9.7	8.2	7.5
Peru	9.7	8.7	7.7	7.0	7.3	7.2	8.2	7.6	7.7
Philippines	14.9	14.5	13.1	11.0	9.4	9.0	9.9	9.3	8.7
Poland	3.4	3.5	3.1	2.5	2.0	1.9	2.2	1.8	1.8
Portugal	2.0	1.9	1.8	2.1	1.9	1.9	2.0	2.0	1.8
Qatar	0.3	0.2	0.1	0.2	0.2	0.3	0.3	0.3	0.3
Republic of Korea	3.0	2.3	2.2	2.0	1.8	1.8	1.7	1.7	1.7
Republic of Moldova	20.6	18.0	13.2	12.8	14.5	13.6	11.1	14.7	11.6
Romania	6.8	6.5	4.4	4.4	4.9	4.6	4.0	4.3	3.5
Russian Federation	5.3	4.4	3.7	3.9	3.9	3.9	4.0	3.8	4.1
Rwanda	34.2	31.0	26.4	24.0	23.2	22.2	23.2	22.2	20.9
Saint Kitts and Nevis	0.9	1.3	1.0	0.8	0.8	0.8	0.9	1.0	0.9
Saint Lucia	4.0	2.2	2.0	2.2	2.2	2.3	2.7	2.4	2.3
Saint Vincent and the Grenadines	9.2	7.0	6.6	6.3	6.7	6.5	6.9	4.8	4.3
Samoa	19.0	12.4	9.6	8.5	8.0	7.9	8.3	8.5	8.0
San Marino	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sao Tome and Principe	16.2	14.4	13.3	11.9	10.7	10.6	10.1	9.9	9.9
Saudi Arabia	3.3	2.9	2.9	2.8	3.0	3.0	3.1	3.1	2.9
Senegal	17.5	15.5	16.4	14.3	15.0	14.9	16.5	15.6	14.9
Serbia	8.9	7.7	6.6	6.7	6.7	6.3	6.5	5.7	5.1
Seychelles	3.9	3.7	2.3	2.1	2.2	2.2	2.1	2.1	2.1
Sierra Leone	53.2	56.9	60.8	58.8	58.1	58.1	60.3	59.4	58.8
Singapore	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slovakia	1.2	1.4	1.6	2.2	2.3	1.9	2.0	1.9	1.9
Slovenia	2.4	2.1	1.9	2.1	2.1	2.0	2.1	1.8	1.7
Solomon Islands	31.9	36.0	36.2	33.2	31.9	31.4	31.3	31.7	33.1
Somalia	53.6	53.3	54.1	52.9	52.9	52.9	52.9	52.9	52.9
South Africa	2.5	2.2	2.1	2.2	2.5	2.3	2.9	2.9	2.9
South Sudan			5.0	4.1	2.7	3.7	6.0	3.2	2.8
Spain	3.0	2.3	2.4	2.7	2.7	2.5	2.9	2.8	2.1
Sri Lanka	10.3	8.6	8.8	8.2	7.1	7.2	7.5	7.3	7.5
Sudan			30.8	32.0	31.5	31.4	31.8	32.2	33.7
Suriname	9.9	8.2	9.3	10.4	8.8	7.1	7.5	7.1	6.9
Sweden	1.4	1.5	1.4	1.4	1.3	1.3	1.3	1.2	1.2
Switzerland	0.9	0.7	0.7	0.6	0.6	0.6	0.6	0.5	0.6
Syrian Arab Republic	52.6	48.8	34.2	33.1	30.7	32.1	33.1	29.3	28.9
Tajikistan	19.7	20.0	20.8	20.9	20.6	20.5	21.2	19.3	19.3
Thailand	12.7	11.1	10.0	8.9	8.7	8.4	8.7	8.7	8.7
Timor-Leste	28.7	29.2	24.6	17.8	17.6	14.6	11.1	11.2	14.8

TABLE 2.
SHARE OF AGRICULTURE, FORESTRY AND FISHING VALUE ADDED IN TOTAL GDP (USD 2015 PRICES) (PERCENT) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2018	2019	2020	2021	2022
Togo	37.8	32.0	21.6	18.9	20.9	21.0	20.8	20.3	20.1
Tonga	18.7	16.6	15.4	16.9	14.8	15.2	15.6	16.0	16.7
Trinidad and Tobago	3.6	2.5	1.3	1.7	2.1	1.8	1.7	1.7	1.4
Tunisia	11.0	9.9	8.5	9.2	8.6	8.9	9.8	9.2	9.1
Türkiye	9.9	8.5	8.1	6.9	6.3	6.4	6.7	5.8	5.6
Turkmenistan	22.9	18.5	11.3	9.3	10.7	10.6	10.6	10.6	10.6
Tuvalu	22.9	22.5	27.1	13.3	10.8	9.0	8.9	8.9	8.7
Uganda	45.8	38.4	25.6	22.5	22.0	21.9	23.4	22.5	22.0
Ukraine	9.8	8.1	8.5	12.1	12.5	12.2	11.3	12.6	12.7
United Arab Emirates	1.9	1.4	0.8	0.7	0.8	0.8	0.8	1.0	1.0
United Kingdom of Great Britain and Northern Ireland	0.6	0.7	0.5	0.6	0.5	0.6	0.6	0.5	0.5
United Republic of Tanzania	36.5	32.6	29.6	26.6	25.5	24.9	24.9	24.7	24.4
United States of America	0.9	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.9
Uruguay	7.6	8.7	6.4	6.8	6.5	6.7	6.7	7.2	6.9
Uzbekistan	35.0	36.3	30.5	29.2	26.8	26.1	26.3	25.4	24.9
Vanuatu	25.8	26.2	23.3	21.6	20.7	21.3	21.8	22.1	22.0
Venezuela (Bolivarian Republic of)	5.8	5.9	5.4	4.3	4.9	5.7	7.0	6.0	4.8
Viet Nam	27.8	23.6	16.8	14.5	12.9	12.3	12.3	12.4	11.9
Yemen	10.2	9.8	11.8	17.9	19.0	18.5	18.6	18.6	18.3
Zambia	16.5	11.3	6.5	5.1	4.1	4.3	5.2	5.3	4.4
Zimbabwe	20.0	17.5	9.4	8.3	9.4	9.0	9.9	10.9	11.2

Source: FAO. 2024. FAOSTAT: Macro Indicators. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/MK>. Licence: CC-BY-4.0.

TABLE 3.
AGRICULTURAL LAND BY USE (THOUSAND HA)

COUNTRY	PERMANENT MEADOWS AND PASTURES				CROPLAND			
	2000	2010	2020	2022	2000	2010	2020	2022
World	3 379 750.4	3 259 719.1	3 211 213.0	3 207 689.8	1 492 006.3	1 525 648.3	1 569 859.2	1 573 345.1
Africa	857 120.4	867 055.9	868 284.9	868 423.8	231 512.5	264 833.9	300 778.0	304 754.9
Americas	781 503.7	770 358.1	752 620.8	743 752.7	369 755.9	371 040.4	370 769.4	369 325.9
Asia	1 116 057.1	1 082 896.0	1 083 363.8	1 082 673.0	561 194.3	571 376.6	576 496.0	576 913.2
Europe	180 804.3	177 519.9	171 978.4	171 196.2	303 826.1	290 218.2	288 425.2	288 302.4
Oceania	444 264.8	361 889.2	334 965.1	341 644.1	25 717.5	28 179.2	33 390.6	34 048.7
Afghanistan	30 000.0	30 000.0	30 262.0	30 262.0	7 794.0	7 917.0	8 051.0	8 051.0
Albania	445.0	505.3	478.0	449.2	699.0	696.0	687.6	686.4
Algeria	31 829.0	32 963.0	32 806.5	32 806.5	8 192.0	8 411.0	8 481.4	8 503.6
Andorra	22.0	19.0	18.0	18.0	1.0	0.8	0.8	0.8
Angola	41 323.0	40 415.0	40 207.0	40 207.0	3 200.0	4 435.0	5 685.0	5 690.0
Antigua and Barbuda	4.0	4.0	4.0	4.0	5.0	5.0	5.0	5.0
Argentina	99 870.0	87 264.8	74 681.0	74 681.0	28 640.0	39 003.1	42 998.3	44 167.4
Armenia	835.0	1 231.4	1 172.0	1 171.0	488.0	503.6	504.0	503.9
Australia	431 700.0	350 404.0	324 779.0	331 869.0	23 769.0	25 968.0	30 996.0	31 650.0
Austria	1 470.2	1 350.1	1 210.0	1 210.0	1 470.0	1 429.1	1 392.7	1 387.5
Azerbaijan	2 678.0	2 655.3	2 423.0	2 415.0	2 062.4	2 111.5	2 357.0	2 365.5
Bahamas	2.0	2.0	2.0	2.0	9.0	10.0	11.0	11.0
Bahrain	4.0	4.0	4.0	4.0	5.9	4.9	4.1	4.1
Bangladesh	600.0	600.0	600.0	600.0	8 800.0	8 641.0	8 830.0	8 818.0
Barbados	2.0	2.0	2.0	2.0	16.0	13.0	8.0	8.0
Belarus	2 995.0	3 241.0	2 521.0	2 398.0	6 257.0	5 657.0	5 760.0	5 696.0
Belgium	507.0	500.0	476.1	471.6	882.6	855.7	888.5	887.6
Belize	50.0	50.0	50.0	50.0	99.0	107.0	130.0	132.0
Benin	550.0	550.0	550.0	550.0	2 641.9	2 937.1	3 883.0	4 305.7
Bhutan	405.0	407.0	413.0	413.0	173.0	113.0	93.9	75.1
Bolivia (Plurinational State of)	33 831.0	33 000.0	33 000.0	33 000.0	3 312.0	4 668.9	5 527.1	5 815.4
Bosnia and Herzegovina	1 030.0	1 035.0	1 120.0	1 147.0	1 100.0	1 109.0	1 122.0	1 116.0
Botswana	25 600.0	25 600.0	25 600.0	25 600.0	351.0	261.0	262.0	262.0
Brazil	173 453.5	170 177.2	165 042.8	159 497.5	54 870.0	61 657.0	63 445.8	63 397.9
Brunei Darussalam	4.0	3.4	3.4	3.4	8.0	10.0	10.0	10.0
Bulgaria	1 804.0	1 702.0	1 404.0	1 414.2	3 778.0	3 350.0	3 644.0	3 607.8
Burkina Faso	6 000.0	6 000.0	6 000.0	6 000.0	5 211.1	6 591.4	8 270.7	8 567.4
Burundi	547.0	483.0	483.0	483.0	1 320.0	1 350.0	1 593.0	1 643.5
Cabo Verde	25.0	25.0	25.0	25.0	47.0	53.0	54.0	54.0
Cambodia	930.0	1 500.0	1 500.0	1 500.0	3 840.0	3 881.4	4 554.9	4 614.8
Cameroon	2 000.0	2 000.0	2 000.0	2 000.0	7 160.0	7 700.0	7 750.0	7 750.0
Canada	20 149.0	20 416.0	18 716.4	18 560.0	41 138.0	37 864.0	38 401.0	38 517.0
Central African Republic	2 990.0	2 990.0	2 990.0	2 990.0	1 961.9	1 916.9	2 592.8	2 637.2
Chad	45 000.0	45 000.0	45 000.0	45 000.0	3 630.0	4 235.0	5 338.0	5 338.0
Chile	13 000.0	12 892.4	9 157.2	8 783.6	2 110.0	1 826.0	1 913.0	1 853.7
China	392 834.0	392 831.0	392 834.0	392 834.0	130 897.0	135 449.8	128 561.1	128 363.0
Colombia	40 314.0	39 150.0	39 504.3	36 880.0	4 545.0	3 353.0	4 705.7	4 883.0

TABLE 3.
AGRICULTURAL LAND BY USE (THOUSAND HA) (CONTINUED)

COUNTRY	PERMANENT MEADOWS AND PASTURES				CROPLAND			
	2000	2010	2020	2022	2000	2010	2020	2022
Comoros	15.0	15.0	15.0	15.0	113.0	118.0	118.0	118.0
Congo	10 000.0	10 000.0	10 000.0	10 000.0	539.9	575.4	640.3	686.6
Costa Rica	1 350.0	1 279.0	1 246.5	1 246.5	490.0	540.0	525.7	522.9
Côte d'Ivoire	13 000.0	13 200.0	13 200.0	13 200.0	6 755.6	7 704.0	13 075.0	13 561.9
Croatia	258.0	345.4	537.0	516.0	911.0	988.4	968.0	932.0
Cuba	2 500.0	2 657.2	2 839.4	2 839.4	4 054.0	3 804.0	3 561.6	3 561.6
Cyprus	1.1	2.0	2.3	2.3	140.4	112.5	125.4	120.8
Czechia	961.0	936.1	989.6	1 002.7	3 319.0	2 587.8	2 534.3	2 527.7
Democratic People's Republic of Korea	50.0	50.0	50.0	50.0	2 479.2	2 623.3	2 546.5	2 544.3
Democratic Republic of the Congo	18 100.0	18 200.0	18 200.0	18 200.0	7 500.0	10 229.0	15 695.0	16 967.0
Denmark	358.0	200.0	222.4	233.0	2 289.0	2 426.0	2 397.6	2 391.0
Djibouti	1 600.0	1 700.0	1 700.0	1 700.0	1.6	2.3	3.9	3.9
Dominica	2.0	2.0	2.0	2.0	19.0	23.0	23.0	23.0
Dominican Republic	1 197.0	1 197.0	1 197.0	1 197.0	1 318.0	1 200.0	1 232.0	1 232.0
Ecuador	5 087.0	4 919.9	2 939.0	3 007.0	2 979.0	2 577.8	2 481.0	2 340.0
Egypt					3 291.0	3 671.0	3 971.0	4 058.0
El Salvador	409.6	358.5	314.7	314.7	877.1	871.4	881.0	881.0
Equatorial Guinea	2.9	3.6	4.9	4.9	100.0	100.0	100.0	100.0
Eritrea	6 967.0	6 900.0	6 900.0	6 900.0	563.0	692.0	692.0	692.0
Estonia	131.0	296.7	286.0	274.0	855.0	652.1	699.0	712.0
Eswatini	1 032.0	1 028.0	1 000.0	1 000.0	191.0	193.0	195.0	195.0
Ethiopia	20 000.0	20 000.0	20 000.0	20 000.0	10 534.0	15 683.0	18 476.1	18 456.9
Fiji	173.0	173.0	173.0	173.0	198.8	146.1	138.6	138.6
Finland	26.0	33.0	22.0	20.0	2 192.0	2 258.9	2 248.0	2 246.0
France	10 312.3	9 614.5	8 751.7	8 620.6	19 495.1	19 311.8	19 772.4	19 683.9
Gabon	1 572.0	1 622.6	1 658.2	1 658.2	495.0	495.0	495.0	495.0
Gambia	267.0	187.0	187.0	187.0	239.0	457.0	447.0	447.0
Georgia	1 938.0	1 940.0	1 940.0	1 940.0	1 062.0	520.0	437.9	443.9
Germany	5 048.0	4 655.0	4 730.0	4 733.0	12 020.0	12 045.0	11 862.0	11 860.0
Ghana	7 189.3	5 903.6	5 186.2	5 186.2	5 576.2	6 496.8	7 417.5	7 417.5
Greece	4 675.0	3 785.0	2 813.5	2 870.0	3 854.0	3 704.0	2 811.2	2 842.0
Grenada	1.0	1.0	1.0	1.0	11.0	9.0	7.0	7.0
Guatemala	2 478.0	1 847.0	1 875.0	1 875.0	2 283.7	2 470.2	2 737.0	2 737.0
Guinea	10 700.0	10 700.0	10 700.0	10 700.0	3 364.1	4 359.9	6 278.6	6 494.9
Guinea-Bissau	115.1	197.6	200.0	200.0	548.0	550.0	622.6	645.0
Guyana	594.0	594.0	594.0	594.0	436.7	448.0	448.0	449.0
Haiti	490.0	490.0	490.0	490.0	1 200.0	1 494.0	1 300.0	1 305.0
Honduras	1 508.0	1 770.0	1 944.0	1 958.0	1 427.0	1 498.0	1 594.0	1 618.0
Hungary	1 051.0	763.0	732.5	771.3	4 803.0	4 580.0	4 184.1	4 304.7
Iceland	1 760.0	1 751.0	1 751.0	1 751.0	129.0	123.0	121.0	121.0
India	10 845.0	10 339.0	10 479.8	10 480.0	170 130.0	169 234.0	168 047.9	168 047.9
Indonesia	11 177.0	11 000.0	11 000.0	11 000.0	33 441.0	38 941.0	44 900.8	45 388.7

TABLE 3.
AGRICULTURAL LAND BY USE (THOUSAND HA) (CONTINUED)

COUNTRY	PERMANENT MEADOWS AND PASTURES				CROPLAND			
	2000	2010	2020	2022	2000	2010	2020	2022
Iran (Islamic Republic of)	46 600.0	29 477.0	29 477.0	29 477.0	16 284.0	17 062.4	17 550.7	17 590.0
Iraq	4 000.0	4 000.0	4 000.0	3 985.0	4 500.0	4 220.0	5 407.0	5 459.0
Ireland	3 906.1	4 127.2	4 067.0	3 901.0	490.1	440.8	445.0	447.0
Israel	142.0	133.6	165.0	164.0	424.0	370.9	481.4	474.6
Italy	4 353.0	4 698.0	3 133.8	3 529.7	11 284.0	9 629.8	9 384.6	9 471.1
Jamaica	229.0	229.0	229.0	229.0	250.0	192.3	188.0	188.0
Japan	428.0	360.0	310.0	310.0	4 830.0	4 593.0	4 372.0	4 325.0
Jordan	791.0	742.0	742.0	742.0	278.0	260.3	287.0	300.5
Kazakhstan	185 098.0	188 361.7	184 464.0	184 464.0	30 295.3	28 800.1	29 685.2	29 801.7
Kenya	21 300.0	21 300.0	21 300.0	21 300.0	5 430.8	6 166.4	7 073.3	7 002.0
Kiribati					34.0	34.0	34.0	34.0
Kuwait	136.0	136.0	136.0	136.0	12.0	16.0	14.0	14.0
Kyrgyzstan	9 291.0	9 261.5	9 003.7	8 995.4	1 423.0	1 350.4	1 364.1	1 363.5
Lao People's Democratic Republic	805.0	690.0	677.0	677.0	1 001.0	1 501.6	1 520.8	1 574.0
Latvia	606.0	625.0	626.0	603.0	982.0	1 180.0	1 343.0	1 367.0
Lebanon	325.0	400.0	400.0	400.0	270.0	240.0	277.3	279.3
Lesotho	2 000.0	2 000.0	2 000.0	2 000.0	334.0	326.0	433.0	433.0
Liberia	757.1	1 007.0	1 223.0	1 223.0	610.0	660.0	700.0	700.0
Libya	13 300.0	13 300.0	13 300.0	13 300.0	2 150.0	2 051.0	2 050.0	2 050.0
Lithuania	497.0	614.2	658.0	583.0	2 921.0	2 158.1	2 284.8	2 328.3
Luxembourg	65.0	67.6	68.3	68.7	63.0	63.5	63.7	63.5
Madagascar	37 000.0	37 295.0	37 295.0	37 295.0	3 500.0	3 600.0	3 600.0	3 600.0
Malawi	1 850.0	1 850.0	1 850.0	1 850.0	2 880.0	3 635.0	4 134.0	4 200.0
Malaysia	285.0	285.0	285.0	285.0	6 653.7	7 104.3	8 285.3	8 285.3
Maldives	1.0	1.0	1.0	1.0	8.0	5.9	5.4	4.9
Mali	34 000.0	34 640.0	34 640.0	34 640.0	4 665.0	6 435.4	8 368.9	8 634.1
Malta					9.0	10.3	9.1	8.8
Marshall Islands					8.5	8.5	7.0	7.0
Mauritania	39 250.0	39 250.0	39 250.0	39 250.0	460.0	460.0	460.0	460.0
Mauritius	7.0	7.0	7.0	7.0	94.0	84.0	79.0	79.0
Mexico	80 952.0	76 223.0	74 269.0	74 112.0	25 378.0	25 584.0	22 869.0	21 911.0
Micronesia (Federated States of)	3.0	3.0	3.0	3.0	2.5	2.0	2.0	2.0
Mongolia	129 294.0	112 971.0	111 354.1	110 860.4	1 176.0	1 239.0	1 127.5	1 139.9
Montenegro		324.0	243.3	239.0		188.0	14.7	14.0
Morocco	21 000.0	21 000.0	21 000.0	21 000.0	9 652.0	8 988.3	9 358.0	9 291.0
Mozambique	33 300.0	33 715.9	35 463.8	35 463.8	4 150.0	5 950.0	5 950.0	5 950.0
Myanmar	314.0	309.0	480.0	480.0	10 498.0	12 217.0	12 500.0	12 500.0
Namibia	38 000.0	38 000.0	38 000.0	38 000.0	820.0	809.0	811.0	812.0
Nauru					0.4	0.4	0.4	0.4
Nepal	1 786.0	1 794.0	1 795.3	1 795.3	2 463.1	2 332.0	2 003.6	1 949.2
Netherlands (Kingdom of the)	901.9	813.3	772.4	763.0	1 057.7	1 059.0	1 042.0	1 042.0
New Zealand	11 885.8	10 838.0	9 553.0	9 142.0	453.9	570.0	601.0	605.0

TABLE 3.
AGRICULTURAL LAND BY USE (THOUSAND HA) (CONTINUED)

COUNTRY	PERMANENT MEADOWS AND PASTURES				CROPLAND			
	2000	2010	2020	2022	2000	2010	2020	2022
Nicaragua	2 990.0	3 200.0	3 292.0	3 292.0	2 151.0	1 850.0	1 799.0	1 799.0
Niger	23 000.0	28 782.0	28 782.0	28 782.0	14 000.0	15 200.0	17 813.0	17 813.0
Nigeria	24 708.0	24 554.0	25 021.0	25 172.0	40 800.0	42 458.9	43 842.1	44 636.2
North Macedonia	636.0	670.0	805.0	801.0	599.0	449.0	457.0	456.0
Norway	158.0	175.8	178.3	177.0	884.0	830.1	807.7	807.0
Oman	1 100.0	1 370.6	1 350.0	1 350.0	73.0	72.6	110.4	116.2
Pakistan	5 000.0	5 000.0	5 000.0	5 000.0	31 698.0	30 242.0	31 673.0	30 947.0
Palau	2.0	2.0	2.0	2.0	2.3	2.3	2.3	2.3
Panama	1 535.0	1 509.0	1 509.0	1 509.0	695.0	757.4	665.1	672.3
Papua New Guinea	180.0	190.0	190.0	190.0	908.0	1 077.0	1 215.0	1 215.0
Paraguay	11 985.1	11 985.1	11 985.1	11 985.1	3 110.0	3 844.3	4 471.4	4 643.5
Peru	17 801.7	18 631.2	18 284.0	18 186.9	5 116.2	5 233.5	6 197.0	6 198.6
Philippines	1 500.0	1 500.0	1 500.0	1 500.0	9 734.0	10 600.0	11 159.0	11 183.0
Poland	4 083.0	3 230.0	3 203.0	2 631.0	14 330.0	11 219.0	11 530.0	11 545.0
Portugal	1 417.0	1 792.6	2 113.3	2 120.2	2 539.4	1 861.6	1 841.0	1 799.6
Qatar	50.0	50.0	50.0	50.0	16.0	18.1	24.0	24.0
Republic of Korea	55.0	58.0	56.0	56.0	1 918.0	1 715.0	1 565.0	1 528.0
Republic of Moldova	382.0	353.0	337.6	335.0	2 162.0	2 112.0	1 927.0	1 945.0
Romania	4 949.0	4 547.0	4 163.0	4 073.0	9 908.0	9 609.0	8 886.0	8 605.0
Russian Federation	90 924.0	92 052.0	92 052.0	92 052.0	126 238.0	123 442.0	123 442.0	123 442.0
Rwanda	520.0	430.0	398.0	386.1	1 306.0	1 492.0	1 560.6	1 618.4
Saint Kitts and Nevis	2.0	1.1	0.9	0.9	7.5	4.6	5.1	5.1
Saint Lucia	1.3	0.4	0.4	0.4	12.9	9.6	9.6	9.6
Saint Vincent and the Grenadines	2.0	2.0	2.0	2.0	5.0	5.0	5.0	5.0
Samoa	3.0	6.0	6.4	6.4	45.0	35.5	43.0	43.0
San Marino					1.0	1.0	2.3	2.3
Sao Tome and Principe	1.0	1.0	1.0	1.0	35.0	32.0	41.0	42.0
Saudi Arabia	170 000.0	170 000.0	170 000.0	170 000.0	3 800.0	3 740.0	3 637.8	3 637.4
Senegal	5 650.0	5 600.0	5 600.0	5 600.0	3 377.0	3 678.0	3 830.0	3 911.0
Serbia		677.2	671.0	662.0		2 844.4	2 811.0	2 807.0
Seychelles					4.0	2.4	1.6	1.6
Sierra Leone	2 200.0	2 200.0	2 200.0	2 200.0	610.0	1 730.4	1 749.0	1 749.0
Singapore					1.2	0.7	0.7	0.7
Slovakia	865.0	527.3	519.0	509.0	1 575.0	1 417.4	1 364.0	1 340.0
Slovenia	314.0	387.6	376.5	377.8	204.0	236.3	234.0	232.9
Solomon Islands	7.0	8.0	8.0	8.0	69.0	100.0	112.0	112.0
Somalia	43 000.0	43 000.0	43 000.0	43 000.0	1 067.0	1 126.0	1 128.0	1 129.0
South Africa	83 928.0	83 928.0	83 928.0	83 928.0	14 197.0	12 963.0	12 413.0	12 413.0
South Sudan			25 773.0	25 773.0			2 477.7	2 479.7
Spain	11 462.0	10 324.0	9 496.2	9 885.8	18 304.0	17 221.0	16 646.4	16 777.5
Sri Lanka	440.0	440.0	440.0	440.0	1 910.0	2 180.0	2 372.0	2 372.0
Sudan			91 454.0	91 454.0			21 210.8	21 210.8

TABLE 3.
AGRICULTURAL LAND BY USE (THOUSAND HA) (CONTINUED)

COUNTRY	PERMANENT MEADOWS AND PASTURES				CROPLAND			
	2000	2010	2020	2022	2000	2010	2020	2022
Suriname	21.0	17.3	16.0	16.0	67.0	61.0	65.0	53.0
Sweden	371.9	451.9	464.0	464.0	2 602.2	2 621.5	2 542.0	2 531.0
Switzerland	1 133.9	1 106.6	1 077.4	1 074.6	431.9	427.8	425.0	421.7
Syrian Arab Republic	8 359.0	8 212.0	8 186.8	8 163.9	5 352.0	5 696.0	5 726.6	5 441.8
Tajikistan	3 687.0	2 927.5	2 821.7	2 818.1	886.0	880.7	1 041.0	1 078.1
Thailand	800.0	800.0	800.0	800.0	21 095.0	22 024.0	22 471.9	22 700.0
Timor-Leste	150.0	150.0	150.0	150.0	187.0	188.0	191.4	191.4
Togo	1 000.0	1 000.0	1 000.0	1 000.0	2 400.0	2 665.0	2 820.0	2 820.0
Tonga	4.0	4.0	4.0	4.0	26.0	28.0	31.0	31.0
Trinidad and Tobago	7.0	7.0	7.0	7.0	60.0	47.0	47.0	47.0
Tunisia	4 561.0	4 852.0	4 750.0	4 750.0	4 990.0	5 186.0	4 950.5	4 950.5
Türkiye	14 100.0	14 617.0	14 617.0	14 617.0	26 379.0	24 395.0	23 145.0	23 864.0
Turkmenistan	33 500.0	32 000.0	37 955.5	37 946.9	1 635.0	1 830.3	1 643.6	1 650.2
Tuvalu					2.0	1.8	1.8	1.8
Uganda	5 112.0	5 315.0	5 315.0	5 315.0	7 400.0	8 950.0	9 100.0	9 100.0
Ukraine	7 910.0	7 893.0	7 534.0	7 534.0	33 496.0	33 374.0	33 777.0	33 777.0
United Arab Emirates	300.0	300.0	300.0	300.0	247.0	92.3	89.8	91.6
United Kingdom of Great Britain and Northern Ireland	11 036.0	11 208.0	11 235.7	10 791.8	5 928.0	6 016.0	6 023.6	6 039.9
United Republic of Tanzania	24 000.0	24 000.0	24 000.0	24 000.0	10 000.0	13 399.0	15 521.2	15 521.2
United States of America	236 331.0	248 377.6	257 673.2	257 673.2	178 068.0	164 480.0	157 018.5	154 739.6
Uruguay	13 543.0	12 362.0	12 000.0	12 000.0	1 415.0	2 071.0	2 063.4	2 154.5
Uzbekistan	22 500.0	21 067.0	21 244.3	21 114.3	4 828.0	4 531.0	4 438.2	4 437.5
Vanuatu	42.0	42.0	42.0	42.0	133.0	145.0	145.0	145.0
Venezuela (Bolivarian Republic of)	18 240.0	18 200.0	18 200.0	18 200.0	3 395.0	3 300.0	3 300.0	3 300.0
Viet Nam	642.0	642.0	642.0	642.0	8 138.0	10 118.1	11 718.0	11 673.0
Yemen	22 000.0	22 000.0	22 000.0	22 000.0	1 669.0	1 579.0	1 452.0	1 452.0
Zambia	19 650.0	20 000.0	20 000.0	20 000.0	2 876.0	3 436.0	3 839.0	3 839.0
Zimbabwe	11 360.0	12 100.0	12 100.0	12 100.0	3 759.5	4 047.8	3 278.9	3 176.4

Source: FAO. 2024. FAOSTAT: Land Use. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/RL>. Licence: CC-BY-4.0.

TABLE 4.
CROPLAND AREA PER CAPITA (HA PER CAPITA)

COUNTRY	2000	2005	2010	2015	2018	2019	2020	2021	2022
World	0.24	0.23	0.22	0.21	0.20	0.20	0.20	0.20	0.20
Africa	0.28	0.27	0.25	0.24	0.23	0.22	0.22	0.22	0.21
Americas	0.44	0.43	0.40	0.38	0.37	0.36	0.36	0.36	0.36
Asia	0.15	0.14	0.14	0.13	0.13	0.12	0.12	0.12	0.12
Europe	0.42	0.40	0.39	0.39	0.39	0.39	0.39	0.39	0.39
Oceania	0.82	0.85	0.76	0.83	0.79	0.77	0.76	0.77	0.76
Afghanistan	0.40	0.32	0.28	0.23	0.22	0.21	0.21	0.20	0.20
Albania	0.22	0.22	0.24	0.24	0.24	0.24	0.24	0.24	0.24
Algeria	0.27	0.25	0.23	0.21	0.20	0.20	0.20	0.19	0.19
Andorra	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Angola	0.20	0.18	0.19	0.19	0.18	0.18	0.17	0.16	0.16
Antigua and Barbuda	0.07	0.06	0.06	0.06	0.05	0.05	0.05	0.05	0.05
Argentina	0.77	0.89	0.95	0.96	0.93	0.94	0.95	0.96	0.97
Armenia	0.15	0.17	0.17	0.18	0.18	0.18	0.18	0.18	0.18
Australia	1.25	1.33	1.18	1.32	1.25	1.22	1.21	1.22	1.21
Austria	0.18	0.18	0.17	0.16	0.16	0.16	0.16	0.16	0.16
Azerbaijan	0.25	0.24	0.23	0.22	0.23	0.23	0.23	0.23	0.23
Bahamas	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Bahrain	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bangladesh	0.07	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.05
Barbados	0.06	0.05	0.05	0.03	0.03	0.03	0.03	0.03	0.03
Belarus	0.61	0.57	0.58	0.60	0.60	0.60	0.60	0.60	0.60
Belgium	0.09	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
Belize	0.41	0.36	0.33	0.33	0.32	0.32	0.33	0.33	0.33
Benin	0.38	0.36	0.31	0.32	0.33	0.33	0.31	0.31	0.32
Bhutan	0.29	0.28	0.16	0.15	0.13	0.13	0.12	0.10	0.10
Bolivia (Plurinational State of)	0.39	0.43	0.46	0.47	0.45	0.47	0.46	0.47	0.48
Bosnia and Herzegovina	0.26	0.27	0.29	0.32	0.33	0.33	0.34	0.34	0.35
Botswana	0.20	0.11	0.12	0.11	0.11	0.10	0.10	0.10	0.10
Brazil	0.31	0.32	0.31	0.31	0.30	0.30	0.30	0.30	0.29
Brunei Darussalam	0.02	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.02
Bulgaria	0.47	0.43	0.44	0.50	0.51	0.51	0.52	0.53	0.53
Burkina Faso	0.44	0.42	0.41	0.40	0.39	0.39	0.38	0.38	0.38
Burundi	0.21	0.18	0.15	0.14	0.13	0.13	0.13	0.13	0.13
Cabo Verde	0.10	0.10	0.10	0.10	0.09	0.09	0.09	0.09	0.09
Cambodia	0.32	0.29	0.27	0.27	0.27	0.27	0.28	0.28	0.28
Cameroon	0.47	0.42	0.39	0.34	0.31	0.30	0.29	0.28	0.28
Canada	1.34	1.23	1.11	1.08	1.05	1.03	1.01	1.01	1.00
Central African Republic	0.52	0.46	0.41	0.40	0.43	0.48	0.49	0.48	0.47
Chad	0.44	0.39	0.36	0.37	0.34	0.33	0.32	0.31	0.30
Chile	0.14	0.12	0.11	0.11	0.11	0.10	0.10	0.10	0.09
China	0.10	0.10	0.10	0.09	0.09	0.09	0.09	0.09	0.09
Colombia	0.12	0.09	0.07	0.08	0.09	0.09	0.09	0.09	0.09
Comoros	0.21	0.20	0.18	0.16	0.15	0.15	0.15	0.14	0.14

TABLE 4.
CROPLAND AREA PER CAPITA (HA PER CAPITA) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2018	2019	2020	2021	2022
Congo	0.17	0.15	0.13	0.12	0.12	0.11	0.11	0.12	0.12
Costa Rica	0.12	0.11	0.12	0.11	0.11	0.10	0.10	0.10	0.10
Côte d'Ivoire	0.40	0.38	0.36	0.48	0.50	0.49	0.49	0.50	0.48
Croatia	0.20	0.21	0.23	0.22	0.21	0.22	0.24	0.23	0.23
Cuba	0.37	0.36	0.34	0.31	0.31	0.31	0.32	0.32	0.32
Cyprus	0.15	0.16	0.10	0.11	0.11	0.10	0.10	0.10	0.10
Czechia	0.32	0.27	0.25	0.24	0.24	0.24	0.24	0.24	0.24
Democratic People's Republic of Korea	0.11	0.11	0.11	0.10	0.10	0.10	0.10	0.10	0.10
Democratic Republic of the Congo	0.15	0.13	0.15	0.18	0.18	0.17	0.17	0.17	0.17
Denmark	0.43	0.43	0.44	0.42	0.42	0.42	0.41	0.41	0.41
Djibouti	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dominica	0.28	0.29	0.33	0.33	0.32	0.32	0.32	0.32	0.32
Dominican Republic	0.15	0.13	0.12	0.12	0.11	0.11	0.11	0.11	0.11
Ecuador	0.24	0.18	0.17	0.16	0.14	0.14	0.14	0.14	0.13
Egypt	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
El Salvador	0.15	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
Equatorial Guinea	0.15	0.12	0.09	0.07	0.07	0.06	0.06	0.06	0.06
Eritrea	0.24	0.22	0.22	0.21	0.20	0.20	0.19	0.19	0.19
Estonia	0.61	0.45	0.49	0.52	0.52	0.53	0.53	0.53	0.54
Eswatini	0.19	0.18	0.18	0.17	0.17	0.17	0.17	0.16	0.16
Ethiopia	0.16	0.18	0.18	0.17	0.16	0.16	0.16	0.16	0.15
Fiji	0.24	0.19	0.16	0.16	0.15	0.15	0.15	0.15	0.15
Finland	0.42	0.43	0.42	0.41	0.41	0.41	0.41	0.41	0.41
France	0.33	0.32	0.31	0.31	0.30	0.29	0.31	0.31	0.30
Gabon	0.39	0.34	0.29	0.24	0.23	0.22	0.22	0.21	0.21
Gambia	0.17	0.17	0.24	0.20	0.18	0.18	0.17	0.17	0.17
Georgia	0.25	0.15	0.14	0.13	0.12	0.11	0.12	0.12	0.12
Germany	0.15	0.15	0.15	0.15	0.14	0.14	0.14	0.14	0.14
Ghana	0.28	0.27	0.25	0.24	0.23	0.23	0.23	0.23	0.22
Greece	0.35	0.34	0.34	0.30	0.30	0.30	0.27	0.27	0.27
Grenada	0.10	0.07	0.08	0.06	0.06	0.06	0.06	0.06	0.06
Guatemala	0.19	0.17	0.17	0.17	0.16	0.16	0.16	0.16	0.15
Guinea	0.40	0.38	0.42	0.48	0.48	0.46	0.48	0.47	0.47
Guinea-Bissau	0.45	0.38	0.35	0.31	0.30	0.31	0.31	0.31	0.31
Guyana	0.58	0.59	0.60	0.59	0.57	0.56	0.56	0.56	0.56
Haiti	0.14	0.14	0.15	0.15	0.14	0.12	0.12	0.11	0.11
Honduras	0.21	0.19	0.18	0.17	0.16	0.16	0.16	0.16	0.16
Hungary	0.47	0.48	0.46	0.46	0.46	0.46	0.43	0.44	0.43
Iceland	0.46	0.43	0.39	0.37	0.34	0.34	0.33	0.33	0.32
India	0.16	0.15	0.14	0.13	0.12	0.12	0.12	0.12	0.12
Indonesia	0.16	0.16	0.16	0.16	0.17	0.17	0.17	0.16	0.16
Iran (Islamic Republic of)	0.25	0.26	0.23	0.20	0.20	0.20	0.20	0.20	0.20
Iraq	0.18	0.17	0.14	0.14	0.13	0.13	0.13	0.12	0.12
Ireland	0.13	0.12	0.10	0.10	0.09	0.09	0.09	0.09	0.09

TABLE 4.
CROPLAND AREA PER CAPITA (HA PER CAPITA) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2018	2019	2020	2021	2022
Israel	0.07	0.06	0.05	0.05	0.06	0.06	0.06	0.05	0.05
Italy	0.20	0.18	0.16	0.15	0.15	0.16	0.16	0.16	0.16
Jamaica	0.10	0.09	0.07	0.07	0.07	0.07	0.07	0.07	0.07
Japan	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.03
Jordan	0.06	0.05	0.04	0.03	0.03	0.03	0.03	0.03	0.03
Kazakhstan	1.99	1.83	1.73	1.67	1.61	1.57	1.56	1.55	1.54
Kenya	0.18	0.16	0.15	0.15	0.15	0.14	0.14	0.13	0.13
Kiribati	0.38	0.35	0.31	0.29	0.28	0.27	0.27	0.26	0.26
Kuwait	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
Kyrgyzstan	0.29	0.26	0.25	0.23	0.22	0.22	0.21	0.21	0.21
Lao People's Democratic Republic	0.18	0.21	0.24	0.25	0.23	0.22	0.21	0.20	0.21
Latvia	0.41	0.49	0.56	0.62	0.67	0.69	0.71	0.73	0.74
Lebanon	0.06	0.06	0.05	0.04	0.05	0.05	0.05	0.05	0.05
Lesotho	0.17	0.17	0.16	0.11	0.20	0.19	0.19	0.19	0.19
Liberia	0.21	0.19	0.16	0.15	0.14	0.14	0.14	0.13	0.13
Libya	0.42	0.36	0.32	0.33	0.32	0.31	0.31	0.30	0.30
Lithuania	0.81	0.58	0.69	0.74	0.75	0.79	0.81	0.83	0.85
Luxembourg	0.14	0.13	0.13	0.11	0.10	0.10	0.10	0.10	0.10
Madagascar	0.22	0.19	0.17	0.14	0.13	0.13	0.13	0.12	0.12
Malawi	0.26	0.26	0.25	0.23	0.22	0.22	0.21	0.21	0.21
Malaysia	0.29	0.26	0.25	0.27	0.26	0.25	0.25	0.25	0.24
Maldives	0.03	0.03	0.02	0.01	0.01	0.01	0.01	0.01	0.01
Mali	0.42	0.44	0.41	0.40	0.40	0.40	0.39	0.39	0.38
Malta	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Marshall Islands	0.16	0.16	0.16	0.14	0.15	0.16	0.16	0.17	0.17
Mauritania	0.17	0.15	0.13	0.12	0.11	0.10	0.10	0.10	0.10
Mauritius	0.08	0.07	0.07	0.06	0.06	0.06	0.06	0.06	0.06
Mexico	0.26	0.25	0.23	0.21	0.18	0.18	0.18	0.18	0.17
Micronesia (Federated States of)	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Mongolia	0.48	0.46	0.46	0.45	0.42	0.35	0.34	0.34	0.34
Montenegro			0.30	0.02	0.02	0.02	0.02	0.02	0.02
Morocco	0.34	0.30	0.28	0.26	0.27	0.24	0.26	0.25	0.25
Mozambique	0.23	0.26	0.26	0.22	0.20	0.20	0.19	0.19	0.18
Myanmar	0.23	0.23	0.25	0.24	0.24	0.24	0.23	0.23	0.23
Namibia	0.45	0.42	0.39	0.35	0.34	0.33	0.33	0.32	0.32
Nauru	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03
Nepal	0.10	0.09	0.09	0.08	0.07	0.07	0.07	0.07	0.06
Netherlands (Kingdom of the)	0.07	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.06
New Zealand	0.12	0.12	0.13	0.12	0.12	0.13	0.12	0.13	0.12
Nicaragua	0.42	0.41	0.32	0.29	0.27	0.27	0.27	0.26	0.26
Niger	1.20	1.02	0.91	0.84	0.79	0.76	0.73	0.71	0.68
Nigeria	0.33	0.30	0.26	0.23	0.22	0.21	0.21	0.21	0.20
North Macedonia	0.29	0.23	0.21	0.21	0.22	0.22	0.22	0.22	0.22
Norway	0.20	0.19	0.17	0.16	0.15	0.15	0.15	0.15	0.15

TABLE 4.
CROPLAND AREA PER CAPITA (HA PER CAPITA) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2018	2019	2020	2021	2022
Oman	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.03
Pakistan	0.21	0.18	0.16	0.15	0.15	0.14	0.14	0.13	0.13
Palau	0.12	0.12	0.12	0.13	0.13	0.13	0.13	0.13	0.13
Panama	0.23	0.21	0.21	0.18	0.16	0.16	0.15	0.15	0.15
Papua New Guinea	0.16	0.15	0.14	0.13	0.13	0.13	0.12	0.12	0.12
Paraguay	0.61	0.64	0.67	0.68	0.68	0.68	0.68	0.68	0.68
Peru	0.19	0.18	0.18	0.19	0.18	0.17	0.19	0.20	0.18
Philippines	0.12	0.11	0.11	0.11	0.10	0.10	0.10	0.10	0.10
Poland	0.37	0.32	0.29	0.29	0.30	0.30	0.30	0.30	0.29
Portugal	0.25	0.20	0.18	0.18	0.17	0.18	0.18	0.18	0.18
Qatar	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Republic of Korea	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03
Republic of Moldova	0.51	0.53	0.57	0.60	0.61	0.62	0.62	0.63	0.59
Romania	0.45	0.45	0.47	0.46	0.47	0.48	0.46	0.47	0.44
Russian Federation	0.86	0.86	0.86	0.85	0.85	0.85	0.85	0.85	0.85
Rwanda	0.16	0.16	0.14	0.14	0.12	0.12	0.12	0.12	0.12
Saint Kitts and Nevis	0.17	0.09	0.10	0.11	0.11	0.11	0.11	0.11	0.11
Saint Lucia	0.08	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.05
Saint Vincent and the Grenadines	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Samoa	0.24	0.20	0.18	0.31	0.23	0.20	0.20	0.20	0.19
San Marino	0.04	0.03	0.03	0.07	0.07	0.07	0.07	0.07	0.07
Sao Tome and Principe	0.24	0.20	0.18	0.18	0.19	0.19	0.19	0.19	0.18
Saudi Arabia	0.18	0.15	0.13	0.11	0.10	0.10	0.10	0.10	0.10
Senegal	0.35	0.29	0.29	0.26	0.24	0.24	0.23	0.23	0.23
Serbia			0.37	0.37	0.38	0.38	0.38	0.39	0.39
Seychelles	0.05	0.05	0.03	0.02	0.02	0.01	0.01	0.01	0.01
Sierra Leone	0.13	0.28	0.27	0.24	0.22	0.22	0.21	0.21	0.20
Singapore	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Slovakia	0.29	0.26	0.26	0.25	0.25	0.25	0.25	0.25	0.24
Slovenia	0.10	0.10	0.11	0.11	0.11	0.11	0.11	0.11	0.11
Solomon Islands	0.16	0.17	0.19	0.18	0.17	0.17	0.16	0.16	0.15
Somalia	0.12	0.11	0.09	0.08	0.07	0.07	0.07	0.07	0.06
South Africa	0.30	0.28	0.25	0.22	0.22	0.21	0.21	0.21	0.21
South Sudan				0.23	0.24	0.24	0.23	0.23	0.23
Spain	0.45	0.41	0.37	0.37	0.36	0.36	0.35	0.35	0.35
Sri Lanka	0.10	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
Sudan				0.53	0.51	0.49	0.48	0.46	0.45
Suriname	0.14	0.11	0.11	0.12	0.11	0.11	0.11	0.10	0.09
Sweden	0.29	0.30	0.28	0.26	0.25	0.25	0.25	0.24	0.24
Switzerland	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Syrian Arab Republic	0.33	0.30	0.26	0.30	0.30	0.28	0.28	0.26	0.25
Tajikistan	0.14	0.13	0.12	0.11	0.11	0.11	0.11	0.11	0.11
Thailand	0.33	0.33	0.32	0.31	0.31	0.31	0.31	0.32	0.32
Timor-Leste	0.21	0.19	0.17	0.16	0.15	0.15	0.15	0.14	0.14

TABLE 4.
CROPLAND AREA PER CAPITA (HA PER CAPITA) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2018	2019	2020	2021	2022
Togo	0.48	0.44	0.41	0.38	0.35	0.34	0.33	0.33	0.32
Tonga	0.25	0.25	0.26	0.29	0.29	0.30	0.29	0.29	0.29
Trinidad and Tobago	0.05	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Tunisia	0.50	0.47	0.48	0.43	0.41	0.41	0.41	0.40	0.40
Türkiye	0.41	0.39	0.33	0.30	0.28	0.28	0.28	0.28	0.28
Turkmenistan	0.36	0.42	0.35	0.30	0.28	0.26	0.26	0.26	0.26
Tuvalu	0.21	0.17	0.17	0.17	0.17	0.16	0.16	0.16	0.16
Uganda	0.31	0.29	0.28	0.24	0.22	0.21	0.20	0.20	0.19
Ukraine	0.69	0.71	0.73	0.75	0.76	0.76	0.77	0.78	0.85
United Arab Emirates	0.08	0.06	0.01	0.01	0.01	0.01	0.01	0.01	0.01
United Kingdom of Great Britain and Northern Ireland	0.10	0.10	0.10	0.09	0.09	0.09	0.09	0.09	0.09
United Republic of Tanzania	0.29	0.29	0.30	0.28	0.26	0.26	0.25	0.24	0.24
United States of America	0.63	0.59	0.53	0.49	0.48	0.47	0.47	0.46	0.46
Uruguay	0.43	0.43	0.62	0.73	0.64	0.62	0.60	0.60	0.63
Uzbekistan	0.19	0.18	0.16	0.14	0.14	0.13	0.13	0.13	0.13
Vanuatu	0.69	0.65	0.59	0.52	0.49	0.48	0.47	0.45	0.44
Venezuela (Bolivarian Republic of)	0.14	0.13	0.11	0.11	0.11	0.11	0.12	0.12	0.12
Viet Nam	0.10	0.11	0.12	0.12	0.12	0.12	0.12	0.12	0.12
Yemen	0.09	0.07	0.06	0.05	0.05	0.05	0.05	0.04	0.04
Zambia	0.29	0.24	0.25	0.23	0.22	0.21	0.20	0.20	0.19
Zimbabwe	0.32	0.32	0.32	0.24	0.22	0.21	0.21	0.20	0.19

Source: FAO. 2024. FAOSTAT: Land Use. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/RL>. Licence: CC-BY-4.0.

TABLE 5.
AREA EQUIPPED FOR IRRIGATION (THOUSAND HA)

COUNTRY	2000	2005	2010	2015	2018	2019	2020	2021	2022
World	289 344	310 291	322 837	338 042	343 494	348 812	352 543	353 049	353 902
Africa	13 189	14 169	15 123	16 420	16 723	16 846	16 954	17 015	17 043
Americas	47 617	49 459	51 712	54 568	56 114	56 679	56 946	57 297	57 675
Asia	199 144	217 189	227 477	237 627	240 555	244 946	248 128	248 213	248 645
Europe	26 712	26 381	25 284	26 129	26 794	27 044	27 202	27 212	27 216
Oceania	2 682	3 093	3 241	3 298	3 308	3 296	3 312	3 312	3 323
Afghanistan	3 203	3 208	3 208	3 208	3 208	3 208	3 208	3 208	3 208
Albania	340	362	331	353	356	357	360	361	358
Algeria	601	825	1 101	1 360	1 374	1 382	1 382	1 382	1 382
Andorra		0	0	0	0	0	0	0	0
Angola	84	86	86	86	86	86	86	86	86
Antigua and Barbuda	0	0	0	0	0	0	0	0	0
Argentina	1 565	1 820	2 250	2 357	2 357	2 357	2 357	2 357	2 357
Armenia	274	263	243	221	208	208	209	209	209
Australia	2 384	2 545	2 546	2 546	2 546	2 546	2 546	2 546	2 546
Austria	94	120	117	106	100	100	100	100	100
Azerbaijan	1 430	1 433	1 425	1 435	1 449	1 450	1 480	1 485	1 485
Bahamas	1	1	1	1	1	1	1	1	1
Bahrain	4	4	4	4	4	4	4	4	4
Bangladesh	4 187	4 875	5 180	5 500	5 560	7 777	7 879	7 944	8 369
Barbados	5	5	5	5	5	5	5	5	5
Belarus	125	115	57	30	30	30	30	30	30
Belgium	33	22	21	22	24	24	24	24	24
Belize	3	4	4	4	4	4	4	4	4
Benin	11	18	23	37	49	53	53	53	53
Bhutan	27	27	32	33	33	33	33	33	33
Bolivia (Plurinational State of)	226	256	289	392	473	503	520	540	558
Bosnia and Herzegovina	3	3	3	3	3	3	3	3	3
Botswana	1	2	3	3	4	4	4	4	4
Brazil	3 691	4 403	5 400	6 955	7 889	8 195	8 445	8 778	9 183
Brunei Darussalam	1	1	1	1	1	1	1	1	1
Bulgaria	622	112	138	129	136	136	136	136	136
Burkina Faso	25	37	50	54	55	55	55	55	55
Burundi	21	23	23	23	23	23	23	23	23
Cabo Verde	3	4	4	4	4	4	4	4	4
Cambodia	270	270	270	270	270	270	270	270	270
Cameroon	26	27	29	29	29	29	29	29	29
Canada	1 145	1 218	1 218	1 218	1 218	1 218	1 218	1 218	1 218
Central African Republic	1	1	1	1	1	1	1	1	1
Chad	26	30	30	30	30	30	30	30	30
Chile	1 100	1 100	1 110	1 110	1 110	1 110	1 110	1 110	1 110
China	54 201	62 276	66 736	72 440	74 921	74 921	74 921	74 921	74 920
Colombia	900	960	1 050	1 087	1 087	1 087	1 087	1 087	1 087
Comoros	0	0	0	0	0	0	0	0	0

TABLE 5.
AREA EQUIPPED FOR IRRIGATION (THOUSAND HA) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2018	2019	2020	2021	2022
Congo	2	2	2	2	2	2	2	2	2
Costa Rica	103	103	102	137	160	160	160	160	160
Côte d'Ivoire	73	73	73	73	73	73	73	73	73
Croatia	3	12	23	28	36	42	48	47	47
Cuba	807	702	646	639	639	639	639	639	639
Cyprus	41	46	40	39	38	38	38	38	38
Czechia	35	47	32	34	46	46	36	36	36
Democratic People's Republic of Korea	1 460	1 460	1 460	1 460	1 460	1 460	1 460	1 460	1 460
Democratic Republic of the Congo	11	11	11	11	11	11	11	11	11
Denmark	447	449	435	218	299	354	299	301	307
Djibouti	1	1	1	1	1	1	1	1	1
Dominica			0	0	0	0	0	0	0
Dominican Republic	275	290	307	307	308	308	308	308	308
Ecuador	853	1 055	1 500	1 675	1 710	1 710	1 710	1 710	1 710
Egypt	3 291	3 516	3 664	3 782	3 823	3 880	3 928	3 987	4 014
El Salvador	45	45	44	54	63	46	46	46	46
Equatorial Guinea					1	1	1	1	1
Eritrea	21	21	21	21	21	21	21	21	21
Estonia	2	1	1	2	3	3	2	2	2
Eswatini	50	50	50	50	50	50	50	50	50
Ethiopia	290	445	640	858	858	858	858	858	858
Fiji	3	4	4	4	4	4	4	4	4
Finland	88	80	69	70	55	55	71	71	71
France	2 634	2 678	2 727	2 731	2 779	2 823	2 867	2 867	2 867
Gabon	4	4	4	4	4	4	4	4	4
Gambia	2	2	5	5	5	5	5	5	5
Georgia	469	469	469	469	120	112	112	112	112
Germany	485	510	652	680	676	676	676	676	676
Ghana	31	33	34	221	223	223	223	223	223
Greece	1 321	1 594	1 385	1 665	1 866	1 934	2 001	2 001	2 001
Grenada	0	1	2	2	2	2	2	2	2
Guatemala	180	315	331	338	338	338	338	338	338
Guinea	95	95	95	95	95	95	95	95	95
Guinea-Bissau	25	25	25	25	25	25	25	25	25
Guyana	149	147	144	143	143	143	143	143	143
Haiti	95	96	97	97	97	97	97	97	97
Honduras	80	83	90	90	90	90	90	90	90
Hungary	236	153	165	207	202	190	190	190	190
Iceland					0	0	0	0	0
India	60 432	64 646	67 700	70 074	70 400	72 504	75 500	75 500	75 500
Indonesia	5 500	6 722	6 722	6 722	6 722	6 722	6 722	6 722	6 722
Iran (Islamic Republic of)	7 870	8 574	9 273	9 600	9 600	9 600	9 600	9 600	9 600
Iraq	3 525	3 525	3 525	3 525	3 525	3 525	3 525	3 525	3 525
Ireland									

TABLE 5.
AREA EQUIPPED FOR IRRIGATION (THOUSAND HA) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2018	2019	2020	2021	2022
Israel	206	225	225	285	306	306	306	306	306
Italy	3 856	3 973	3 735	4 084	4 124	4 124	4 124	4 124	4 124
Jamaica	26	28	31	31	31	31	31	31	31
Japan	2 641	2 556	2 496	2 446	2 405	2 405	2 405	2 405	2 405
Jordan	77	80	96	105	107	107	107	107	107
Kazakhstan	2 877	2 362	2 185	2 205	2 205	2 225	2 225	2 225	2 225
Kenya	85	115	151	151	151	151	151	151	151
Kiribati									
Kuwait	7	8	14	18	18	18	18	18	18
Kyrgyzstan	1 050	1 021	1 021	1 023	1 023	1 023	1 023	1 023	1 023
Lao People's Democratic Republic	296	300	340	410	439	441	441	441	441
Latvia	1	1	1	1	1	1	1	1	1
Lebanon	104	111	108	97	90	90	90	90	90
Lesotho	3	3	3	3	3	3	3	3	3
Liberia	3	3	3	3	3	3	3	3	3
Libya	470	425	405	400	400	400	400	400	400
Lithuania	7	4	4	4	5	6	7	7	7
Luxembourg									
Madagascar	1 086	1 086	1 086	1 086	1 086	1 086	1 086	1 086	1 086
Malawi	55	73	86	91	91	91	91	91	91
Malaysia	369	375	396	442	442	442	442	442	442
Maldives									
Mali	236	291	350	380	380	380	380	380	380
Malta	2	3	4	4	4	4	4	4	4
Marshall Islands									
Mauritania	45	45	45	45	45	45	45	45	45
Mauritius	20	21	20	19	19	19	19	19	19
Mexico	6 300	6 300	6 480	6 687	7 057	7 302	7 304	7 304	7 304
Micronesia (Federated States of)									
Mongolia	88	91	94	90	87	87	87	87	87
Montenegro			2	2	2	2	2	2	2
Morocco	1 443	1 490	1 515	1 783	1 916	1 946	1 946	1 946	1 946
Mozambique	115	118	118	118	118	118	118	118	118
Myanmar	1 868	2 136	2 329	2 295	2 295	2 295	2 295	2 287	2 287
Namibia	7	8	8	8	8	8	8	8	8
Nauru									
Nepal	1 135	1 193	1 254	1 369	1 369	1 369	1 369	1 369	1 369
Netherlands (Kingdom of the)	498	408	486	515	522	522	522	522	522
New Zealand	285	533	680	737	747	735	751	751	762
Nicaragua	86	140	194	199	199	199	199	199	199
Niger	73	80	93	101	183	207	267	268	269
Nigeria	268	304	324	331	331	331	331	331	331
North Macedonia	55	128	128	128	128	128	128	128	128
Norway	134	118	93	84	84	84	85	85	85

TABLE 5.
AREA EQUIPPED FOR IRRIGATION (THOUSAND HA) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2018	2019	2020	2021	2022
Oman	60	60	65	83	109	109	110	108	116
Pakistan	18 090	18 980	19 680	19 990	19 990	19 990	19 990	19 990	19 990
Palau									
Panama	35	34	32	35	38	39	41	41	41
Papua New Guinea									
Paraguay	67	70	90	140	140	140	140	140	104
Peru	2 012	2 250	2 485	2 600	2 600	2 600	2 600	2 600	2 600
Philippines	1 361	1 413	1 543	1 731	1 921	1 972	2 006	2 040	2 040
Poland	89	124	85	205	436	519	601	601	601
Portugal	792	617	544	549	560	567	567	567	567
Qatar	13	13	16	21	22	24	24	24	24
Republic of Korea	880	867	788	734	707	707	707	707	707
Republic of Moldova	302	228	228	228	223	222	218	214	215
Romania	3 082	3 176	3 154	3 149	3 149	3 152	3 166	3 170	3 166
Russian Federation	4 606	4 553	4 300	4 300	4 300	4 300	4 300	4 300	4 300
Rwanda	9	9	9	9	9	9	9	9	9
Saint Kitts and Nevis	0	0	0	0	0	0	0	0	0
Saint Lucia	3	3	3	3	3	3	3	3	3
Saint Vincent and the Grenadines	1	1	1	1	1	1	1	1	1
Samoa									
San Marino									
Sao Tome and Principe	10	10	10	10	10	10	10	10	10
Saudi Arabia	1 616	1 891	2 525	3 098	3 279	3 279	3 279	3 279	3 279
Senegal	106	120	120	120	120	120	120	120	120
Serbia			88	77	68	63	63	64	68
Seychelles		0	0	0	0	0	0	0	0
Sierra Leone	30	30	30	30	30	30	30	30	30
Singapore									
Slovakia	183	189	109	62	66	66	57	62	63
Slovenia	3	5	8	6	6	7	7	7	6
Solomon Islands									
Somalia	200	200	200	200	200	200	200	200	200
South Africa	1 498	1 518	1 538	1 670	1 670	1 670	1 670	1 670	1 670
South Sudan				26	19	19	19	19	19
Spain	3 735	3 858	3 660	3 923	3 923	3 923	3 923	3 923	3 923
Sri Lanka	570	570	570	630	637	637	637	637	637
Sudan				1 855	1 855	1 855	1 855	1 855	1 855
Suriname	52	52	57	70	68	67	65	62	53
Sweden	137	167	164	156	157	157	157	157	157
Switzerland	38	50	61	54	52	52	52	52	52
Syrian Arab Republic	1 211	1 428	1 341	1 310	1 310	1 310	1 310	1 310	1 310
Tajikistan	719	728	757	817	817	817	817	817	817
Thailand	5 590	6 187	6 415	6 415	6 415	6 415	6 415	6 415	6 415
Timor-Leste	32	35	35	35	35	35	35	35	35

TABLE 5.
AREA EQUIPPED FOR IRRIGATION (THOUSAND HA) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2018	2019	2020	2021	2022
Togo	8	8	8	8	8	8	8	8	8
Tonga									
Trinidad and Tobago	5	7	7	7	7	7	7	7	7
Tunisia	394	418	457	477	495	495	495	495	495
Türkiye	4 745	5 215	5 215	5 215	5 215	5 215	5 215	5 215	5 215
Turkmenistan	1 850	1 990	1 995	1 995	1 995	1 995	1 995	1 995	1 995
Tuvalu									
Uganda	9	10	11	11	11	11	11	11	11
Ukraine	2 408	2 183	2 178	2 166	2 166	2 166	2 166	2 166	2 166
United Arab Emirates	210	227	92	83	84	92	92	94	94
United Kingdom of Great Britain and Northern Ireland	243	228	95	152	208	208	208	208	208
United Republic of Tanzania	160	250	335	364	364	364	364	364	364
United States of America	27 000	26 762	26 415	26 833	26 916	26 916	26 916	26 916	26 916
Uruguay	188	218	230	254	263	263	263	263	263
Uzbekistan	4 200	4 198	4 255	4 312	4 312	4 307	4 329	4 337	4 336
Vanuatu									
Venezuela (Bolivarian Republic of)	580	950	1 055	1 055	1 055	1 055	1 055	1 055	1 055
Viet Nam	3 864	4 412	4 585	4 585	4 585	4 585	4 585	4 585	4 585
Yemen	500	680	680	680	680	680	680	680	680
Zambia	134	156	156	156	156	156	156	156	156
Zimbabwe	157	160	169	182	187	187	187	187	187

Source: FAO. 2024. FAOSTAT: Land Use. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/RL>. Licence: CC-BY-4.0.

TABLE 6.
SHARE OF AREA EQUIPPED FOR IRRIGATION IN CROPLAND AREA (PERCENT)

COUNTRY	2000	2005	2010	2015	2018	2019	2020	2021	2022
World	19.4	20.5	21.2	21.7	21.9	22.3	22.5	22.4	22.5
Africa	5.7	5.8	5.7	5.7	5.6	5.7	5.6	5.6	5.6
Americas	12.9	13.1	13.9	14.7	15.1	15.3	15.4	15.5	15.6
Asia	35.5	38.2	39.8	41.3	41.7	42.5	43.0	43.1	43.1
Europe	8.8	9.0	8.7	9.0	9.3	9.4	9.4	9.4	9.4
Oceania	10.4	10.8	11.5	9.8	9.8	9.9	9.9	9.7	9.8
Afghanistan	41.1	40.5	40.5	40.6	40.1	40.1	39.9	39.9	39.9
Albania	48.6	54.9	47.6	50.8	51.1	51.3	52.3	52.5	52.2
Algeria	7.3	9.9	13.1	16.1	16.2	16.2	16.3	16.3	16.3
Andorra		18.8	19.5	18.5	18.0	18.8	19.3	19.8	19.8
Angola	2.6	2.4	1.9	1.6	1.5	1.5	1.5	1.5	1.5
Antigua and Barbuda	3.4	5.0	6.4	7.6	7.6	7.6	7.6	7.6	7.6
Argentina	5.5	5.2	5.8	5.7	5.7	5.6	5.5	5.4	5.3
Armenia	56.2	52.1	48.3	43.9	41.3	41.2	41.5	41.6	41.6
Australia	10.0	9.5	9.8	8.1	8.1	8.2	8.2	8.0	8.0
Austria	6.4	8.3	8.2	7.5	7.2	7.2	7.2	7.2	7.2
Azerbaijan	69.3	69.4	67.5	66.0	61.6	61.6	62.8	62.8	62.8
Bahamas	11.1	11.1	10.0	9.1	9.1	9.1	9.1	9.1	9.1
Bahrain	67.8	74.5	79.0	86.3	91.0	91.0	91.0	91.0	91.0
Bangladesh	47.6	56.0	60.0	64.2	64.6	88.4	89.2	90.1	94.9
Barbados	31.3	38.6	41.5	60.0	67.5	67.5	67.5	67.5	67.5
Belarus	2.0	2.0	1.0	0.5	0.5	0.5	0.5	0.5	0.5
Belgium	3.7	2.6	2.4	2.6	2.8	2.7	2.7	2.7	2.7
Belize	3.0	3.4	3.3	2.9	2.9	2.8	2.7	2.7	2.7
Benin	0.4	0.6	0.8	1.0	1.3	1.3	1.4	1.3	1.2
Bhutan	15.6	14.5	28.2	29.3	33.0	33.0	35.2	41.8	43.9
Bolivia (Plurinational State of)	6.8	6.4	6.2	7.5	9.1	9.1	9.4	9.6	9.6
Bosnia and Herzegovina	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Botswana	0.4	0.9	1.0	1.3	1.5	1.5	1.5	1.5	1.5
Brazil	6.7	7.4	8.8	11.0	12.4	12.9	13.3	13.8	14.5
Brunei Darussalam	12.5	11.1	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Bulgaria	16.5	3.3	4.1	3.5	3.7	3.7	3.7	3.7	3.8
Burkina Faso	0.5	0.6	0.8	0.7	0.7	0.7	0.7	0.7	0.6
Burundi	1.6	1.7	1.7	1.6	1.5	1.5	1.4	1.4	1.4
Cabo Verde	6.4	6.9	6.6	6.8	6.8	6.8	6.8	6.8	6.8
Cambodia	7.0	7.0	7.0	6.5	6.2	6.1	5.9	5.8	5.9
Cameroon	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Canada	2.8	3.1	3.2	3.2	3.1	3.1	3.2	3.2	3.2
Central African Republic	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0
Chad	0.7	0.8	0.7	0.6	0.6	0.6	0.6	0.6	0.6
Chile	52.1	58.4	60.8	55.4	55.9	57.4	58.0	54.6	59.9
China	41.4	46.5	49.3	55.0	57.9	58.2	58.3	58.3	58.4
Colombia	19.8	26.6	31.3	29.7	24.4	23.5	23.1	22.7	22.3
Comoros	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

TABLE 6.
SHARE OF AREA EQUIPPED FOR IRRIGATION IN CROPLAND AREA (PERCENT) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2018	2019	2020	2021	2022
Congo	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3
Costa Rica	21.0	21.0	18.9	24.8	29.8	30.1	30.4	30.3	30.5
Côte d'Ivoire	1.1	1.0	1.0	0.7	0.6	0.6	0.6	0.5	0.5
Croatia	0.3	1.3	2.4	3.0	4.1	4.7	4.9	5.1	5.1
Cuba	19.9	17.1	17.0	18.2	17.9	17.9	17.9	17.9	17.9
Cyprus	29.5	27.6	35.8	30.9	29.2	30.8	30.4	31.9	31.6
Czechia	1.1	1.7	1.2	1.3	1.8	1.8	1.4	1.4	1.4
Democratic People's Republic of Korea	58.9	57.5	55.7	56.6	57.3	57.4	57.3	57.4	57.4
Democratic Republic of the Congo	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Denmark	19.5	19.2	17.9	9.2	12.4	14.6	12.5	12.6	12.8
Djibouti	62.5	58.8	43.5	35.7	35.7	34.5	25.6	25.6	25.6
Dominica			0.9	0.9	0.9	0.9	0.9	0.9	0.9
Dominican Republic	20.9	23.8	25.6	24.9	25.0	25.0	25.0	25.0	25.0
Ecuador	28.6	42.0	58.2	65.7	72.6	70.4	68.9	69.9	73.1
Egypt	100.0	99.8	99.8	99.8	99.0	98.9	98.9	98.9	98.9
El Salvador	5.1	5.3	5.1	6.1	7.1	5.2	5.2	5.2	5.2
Equatorial Guinea					1.5	1.5	1.5	1.5	1.5
Eritrea	3.7	3.4	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Estonia	0.2	0.2	0.1	0.3	0.4	0.4	0.3	0.3	0.2
Eswatini	26.2	26.0	25.9	25.8	25.6	25.6	25.6	25.6	25.6
Ethiopia	2.8	3.3	4.1	5.0	4.8	4.7	4.6	4.6	4.7
Fiji	1.5	2.4	2.7	2.8	2.9	2.9	2.9	2.9	2.9
Finland	4.0	3.6	3.1	3.1	2.5	2.4	3.2	3.2	3.2
France	13.5	13.7	14.1	14.0	14.5	14.9	14.5	14.5	14.6
Gabon	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Gambia	0.8	0.7	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Georgia	44.2	80.9	90.2	98.2	27.6	25.9	25.6	25.5	25.2
Germany	4.0	4.2	5.4	5.6	5.7	5.7	5.7	5.7	5.7
Ghana	0.6	0.6	0.5	3.2	3.1	3.0	3.0	3.0	3.0
Greece	34.3	42.2	37.4	50.7	57.9	60.1	71.2	70.4	70.4
Grenada	1.8	6.3	22.2	28.6	28.6	28.6	28.6	28.6	28.6
Guatemala	7.9	14.1	13.4	12.7	12.5	12.4	12.4	12.4	12.4
Guinea	2.8	2.8	2.2	1.7	1.6	1.6	1.5	1.5	1.5
Guinea-Bissau	4.6	4.7	4.6	4.6	4.3	4.1	4.0	3.9	3.9
Guyana	34.1	32.7	32.1	31.9	31.9	31.9	31.9	31.9	31.9
Haiti	7.9	7.5	6.5	6.2	6.5	7.5	7.5	7.4	7.4
Honduras	5.6	5.7	6.0	5.8	5.7	5.7	5.7	5.6	5.6
Hungary	4.9	3.2	3.6	4.6	4.5	4.2	4.5	4.4	4.4
Iceland					0.0	0.0	0.0	0.0	0.0
India	35.5	38.1	40.0	41.4	41.7	43.0	44.9	44.9	44.9
Indonesia	16.5	18.8	17.3	16.4	15.1	15.0	15.0	15.0	14.8
Iran (Islamic Republic of)	48.3	47.4	54.4	58.3	55.1	54.8	54.7	54.6	54.6
Iraq	78.3	72.8	83.5	66.9	65.8	65.5	65.2	64.9	64.6
Ireland									

TABLE 6.
SHARE OF AREA EQUIPPED FOR IRRIGATION IN CROPLAND AREA (PERCENT) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2018	2019	2020	2021	2022
Israel	48.6	59.1	60.7	72.4	63.3	64.0	63.6	63.8	64.5
Italy	34.2	38.5	38.8	45.1	45.0	44.2	43.9	44.1	43.5
Jamaica	10.4	11.8	16.0	16.3	16.3	16.3	16.3	16.3	16.3
Japan	54.7	54.5	54.3	54.4	54.4	54.7	55.0	55.3	55.6
Jordan	27.7	29.5	37.0	33.4	38.2	36.3	37.3	38.1	35.6
Kazakhstan	9.5	8.2	7.6	7.4	7.4	7.5	7.5	7.5	7.5
Kenya	1.6	2.0	2.4	2.2	2.1	2.1	2.1	2.1	2.2
Kiribati									
Kuwait	58.3	54.3	87.5	100.0	100.0	100.0	100.0	100.0	100.0
Kyrgyzstan	73.8	75.3	75.6	75.5	75.0	75.0	75.0	75.0	75.1
Lao People's Democratic Republic	29.6	24.3	22.6	23.7	26.8	28.0	29.0	29.0	28.0
Latvia	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Lebanon	38.5	39.2	45.0	36.6	33.1	33.2	32.5	32.2	32.2
Lesotho	0.9	0.9	0.9	1.4	0.7	0.7	0.7	0.7	0.7
Liberia	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4
Libya	21.9	20.4	19.8	19.5	19.5	19.5	19.5	19.5	19.5
Lithuania	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3
Luxembourg									
Madagascar	31.0	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
Malawi	1.9	2.2	2.4	2.4	2.3	2.2	2.2	2.2	2.2
Malaysia	5.6	5.5	5.6	5.3	5.3	5.3	5.3	5.3	5.3
Maldives									
Mali	5.1	5.1	5.4	5.2	4.8	4.7	4.5	4.4	4.4
Malta	22.2	32.3	33.9	41.1	35.2	35.2	42.7	44.5	44.5
Marshall Islands									
Mauritania	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
Mauritius	21.3	23.6	23.8	24.1	24.1	24.1	24.1	24.1	24.1
Mexico	24.8	24.3	25.3	27.0	31.2	33.0	31.9	31.9	33.3
Micronesia (Federated States of)									
Mongolia	7.5	7.7	7.6	6.8	6.6	7.8	7.8	7.8	7.7
Montenegro			1.3	17.0	16.2	15.7	16.1	16.4	16.9
Morocco	15.0	16.6	16.9	19.7	20.1	22.6	20.8	21.0	21.0
Mozambique	2.8	2.3	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Myanmar	17.8	19.5	19.1	18.4	18.2	18.4	18.4	18.3	18.3
Namibia	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Nauru									
Nepal	46.1	49.4	53.8	61.9	66.1	67.0	68.3	69.2	70.2
Netherlands (Kingdom of the)	47.1	35.7	45.9	47.7	49.3	49.8	50.1	50.2	50.1
New Zealand	62.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Nicaragua	4.0	6.3	10.5	11.1	11.1	11.1	11.1	11.1	11.1
Niger	0.5	0.6	0.6	0.6	1.0	1.2	1.5	1.5	1.5
Nigeria	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.7	0.7
North Macedonia	9.2	26.3	28.5	28.3	27.9	27.8	28.0	28.0	28.1
Norway	15.2	13.6	11.2	10.4	10.4	10.4	10.6	10.6	10.6

TABLE 6.
SHARE OF AREA EQUIPPED FOR IRRIGATION IN CROPLAND AREA (PERCENT) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2018	2019	2020	2021	2022
Oman	82.2	92.3	89.5	99.7	100.0	100.0	100.0	100.0	100.0
Pakistan	57.1	61.3	65.1	64.1	62.6	63.9	63.1	64.5	64.6
Palau									
Panama	5.0	4.8	4.2	4.8	5.6	5.8	6.1	6.2	6.2
Papua New Guinea									
Paraguay	2.2	2.0	2.3	3.4	3.2	3.2	3.1	3.1	2.2
Peru	39.3	43.5	47.5	44.1	44.1	45.8	42.0	38.7	41.9
Philippines	14.0	14.3	14.6	15.7	17.3	17.7	18.0	18.2	18.2
Poland	0.6	1.0	0.8	1.8	3.8	4.6	5.2	5.2	5.2
Portugal	31.2	30.0	29.2	30.1	32.1	30.5	30.8	31.0	31.5
Qatar	79.4	88.4	88.4	100.0	91.7	100.0	100.0	100.0	100.0
Republic of Korea	45.9	47.5	46.0	43.7	44.3	44.7	45.2	45.7	46.3
Republic of Moldova	14.0	10.7	10.8	11.6	11.6	11.6	11.3	11.1	11.1
Romania	31.1	33.5	32.8	34.2	34.5	33.6	35.6	35.3	36.8
Russian Federation	3.7	3.7	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Rwanda	0.7	0.6	0.6	0.5	0.6	0.6	0.5	0.5	0.5
Saint Kitts and Nevis	0.3	0.5	0.4	0.6	0.6	0.6	0.6	0.6	0.6
Saint Lucia	23.3	30.3	31.4	31.4	31.4	31.4	31.4	31.4	31.4
Saint Vincent and the Grenadines	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Samoa									
San Marino									
Sao Tome and Principe	28.6	30.3	31.3	27.8	24.4	24.4	24.4	23.8	23.8
Saudi Arabia	42.5	50.1	67.5	85.7	91.0	90.7	90.1	90.1	90.1
Senegal	3.1	3.8	3.3	3.2	3.2	3.2	3.1	3.1	3.1
Serbia			3.1	2.8	2.4	2.3	2.2	2.3	2.4
Seychelles		7.5	12.5	19.4	19.4	19.4	19.4	19.4	19.4
Sierra Leone	4.9	1.9	1.7	1.7	1.7	1.7	1.7	1.7	1.7
Singapore									
Slovakia	11.6	13.3	7.7	4.6	4.8	4.8	4.2	4.6	4.7
Slovenia	1.5	2.5	3.4	2.5	2.8	2.8	2.9	2.8	2.8
Solomon Islands									
Somalia	18.7	17.8	17.8	17.8	17.8	17.8	17.7	17.7	17.7
South Africa	10.6	11.2	11.9	13.5	13.5	13.5	13.5	13.5	13.5
South Sudan				1.0	0.8	0.8	0.8	0.8	0.8
Spain	20.4	21.6	21.3	22.8	23.4	23.4	23.6	23.6	23.4
Sri Lanka	29.8	27.5	26.2	27.4	26.9	26.9	26.9	26.9	26.9
Sudan				9.1	8.8	8.8	8.8	8.8	8.8
Suriname	76.9	93.6	93.4	98.6	100.0	100.0	100.0	100.0	100.0
Sweden	5.3	6.2	6.3	6.1	6.2	6.2	6.2	6.2	6.2
Switzerland	8.8	11.7	14.3	12.6	12.3	12.3	12.2	12.4	12.3
Syrian Arab Republic	22.6	25.7	23.5	22.9	22.9	22.9	22.9	23.5	24.1
Tajikistan	81.2	83.3	86.0	84.3	78.8	78.3	78.5	78.4	75.8
Thailand	26.5	28.7	29.1	29.1	29.1	28.9	28.6	28.3	28.3
Timor-Leste	17.1	19.1	18.6	18.4	18.2	18.3	18.3	18.3	18.3

TABLE 6.
SHARE OF AREA EQUIPPED FOR IRRIGATION IN CROPLAND AREA (PERCENT) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2018	2019	2020	2021	2022
Togo	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Tonga									
Trinidad and Tobago	8.3	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9
Tunisia	7.9	8.5	8.8	9.7	10.0	10.0	10.0	10.0	10.0
Türkiye	18.0	19.6	21.4	21.8	22.5	22.6	22.5	22.2	21.9
Turkmenistan	100.0	97.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Tuvalu									
Uganda	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Ukraine	7.2	6.6	6.5	6.4	6.4	6.4	6.4	6.4	6.4
United Arab Emirates	85.0	88.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
United Kingdom of Great Britain and Northern Ireland	4.1	4.0	1.6	2.5	3.4	3.4	3.5	3.4	3.4
United Republic of Tanzania	1.6	2.2	2.5	2.5	2.4	2.4	2.4	2.4	2.4
United States of America	15.2	15.2	16.1	16.8	16.9	17.0	17.1	17.3	17.4
Uruguay	13.3	15.2	11.1	10.3	12.0	12.3	12.7	12.7	12.2
Uzbekistan	87.0	89.0	93.9	97.5	97.6	97.1	97.5	97.7	97.7
Vanuatu									
Venezuela (Bolivarian Republic of)	17.1	28.3	32.0	32.0	32.0	32.0	32.0	32.0	32.0
Viet Nam	47.5	46.9	45.3	39.9	39.9	39.0	39.1	39.1	39.3
Yemen	30.0	44.7	43.1	47.5	46.8	46.8	46.8	46.8	46.8
Zambia	4.7	5.7	4.5	4.2	4.1	4.1	4.1	4.1	4.1
Zimbabwe	4.2	4.0	4.2	5.4	5.5	5.9	5.7	6.0	5.9

Source: FAO. 2024. FAOSTAT: Land Use. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/RL>. Licence: CC-BY-4.0.

TABLE 7.
SHARE OF WATER WITHDRAWAL BY AGRICULTURE IN TOTAL WITHDRAWAL (PERCENT)

COUNTRY	2000	2005	2010	2015	2017	2018	2019	2020	2021
World									
Africa									
Americas									
Asia									
Europe									
Oceania									
Afghanistan	98.6	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
Albania	57.7	43.4	48.7	69.6	64.0	68.2	61.2	69.3	70.9
Algeria	60.7	59.7	59.3	65.8	63.8	63.8	63.8	63.8	63.8
Andorra									
Angola	32.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8
Antigua and Barbuda	17.9	15.5	15.6	15.7	15.7	15.7	15.7	15.7	15.7
Argentina	70.7	72.3	73.7	73.9	73.9	73.9	73.9	73.9	73.9
Armenia	66.0	65.8	58.2	81.7	73.2	69.3	74.5	70.3	76.0
Australia	69.4	65.2	53.8	54.2	69.4	70.7	66.6	62.2	67.8
Austria	2.7	2.6	2.3	3.2	3.6	3.7	3.9	3.9	3.9
Azerbaijan	90.0	88.5	92.1	91.1	92.1	92.4	92.2	91.8	92.2
Bahamas									
Bahrain	49.1	41.8	35.8	32.2	33.3	33.3	33.3	33.3	33.3
Bangladesh			87.8	87.8	87.8	87.8	87.8	87.8	87.8
Barbados	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
Belarus	24.1	24.0	30.4	30.0	30.9	29.9	27.0	27.6	27.8
Belgium	0.5	0.6	0.7	1.1	1.0	1.3	1.3	1.2	1.2
Belize	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
Benin	48.3	35.8	28.3	23.4	25.2	25.2	25.2	25.2	25.2
Bhutan			94.1	94.1	94.1	94.1	94.1	94.1	94.1
Bolivia (Plurinational State of)	91.1	91.6	91.4	89.0	88.0	87.6	87.1	86.9	87.1
Bosnia and Herzegovina									
Botswana	41.2	37.9	37.7	36.3	35.8	39.0	36.9	37.0	33.4
Brazil	58.3	55.2	60.0	54.0	60.0	58.4	63.1	61.6	61.3
Brunei Darussalam	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
Bulgaria	19.3	13.6	15.8	14.7	14.8	13.3	11.5	12.8	13.1
Burkina Faso	58.0	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
Burundi	77.1	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
Cabo Verde		43.7	38.1	36.2	35.8	35.6	35.4	38.6	42.5
Cambodia			94.0	94.0	94.0	94.0	94.0	94.0	94.0
Cameroon	76.3	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
Canada	8.5	6.4	11.7	7.5	10.6	10.9	11.2	11.4	11.4
Central African Republic	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Chad	77.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
Chile			86.0	90.0	90.9	90.9	90.9	90.9	90.9
China	68.8	64.6	62.5	64.4	62.3	61.4	61.2	62.1	62.1
Colombia	63.5	56.9	62.6	71.8	79.7	85.3	85.9	86.4	86.7
Comoros	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0

TABLE 7.
SHARE OF WATER WITHDRAWAL BY AGRICULTURE IN TOTAL WITHDRAWAL (PERCENT) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2017	2018	2019	2020	2021
Congo	8.8	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
Costa Rica				72.1	82.0	68.6	66.0	66.2	60.7
Côte d'Ivoire	42.6	38.4	44.8	51.6	51.6	51.6	51.6	51.6	51.6
Croatia		1.0	6.9	7.0	7.6	7.7	7.6	7.5	7.6
Cuba	52.1	53.0	59.3	64.9	64.9	64.9	64.9	64.9	64.9
Cyprus	74.4	72.8	73.2	66.3	62.6	61.2	60.6	62.5	62.3
Czechia	0.6	1.2	2.0	3.4	2.9	3.1	2.9	2.9	2.7
Democratic People's Republic of Korea	77.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
Democratic Republic of the Congo	12.3	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5
Denmark	25.9	27.1	33.6	47.7	53.3	59.6	53.6	54.0	54.0
Djibouti	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8
Dominica			5.0	5.0	5.0	5.0	5.0	5.0	5.0
Dominican Republic	86.3	82.0	79.9	83.3	83.3	83.3	83.3	83.3	83.3
Ecuador	86.2	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
Egypt	86.4	86.1	85.9	84.4	79.2	79.2	79.2	79.2	79.2
El Salvador	55.2	67.6	63.0	54.8	48.8	45.6	41.7	37.4	46.3
Equatorial Guinea	5.7	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
Eritrea	70.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
Estonia	2.4	0.8	0.2	0.3	0.3	0.3	0.5	0.6	0.5
Eswatini	96.5	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
Ethiopia		89.0	90.5	91.6	91.8	91.8	91.8	91.8	91.8
Fiji	61.2	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
Finland	2.1	2.2	9.1	15.5	17.4	14.3	28.6	28.6	28.6
France	14.9	13.9	10.6	11.4	10.9	11.1	12.1	13.9	13.9
Gabon	33.5	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0
Gambia	43.3	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6
Georgia	72.3	58.2	51.4	32.4	35.4	35.5	37.6	42.8	46.6
Germany	0.7	1.9	1.8	3.2	3.3	4.3	4.2	4.2	4.2
Ghana	66.4	70.0	72.9	72.6	73.1	73.1	73.1	73.1	73.1
Greece	89.2	90.1	86.0	83.6	80.0	80.1	80.1	80.1	80.4
Grenada		21.5	17.3	14.9	14.9	14.9	14.9	14.9	14.9
Guatemala		57.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7
Guinea	55.0	56.5	61.6	65.5	66.8	67.4	67.4	67.4	67.4
Guinea-Bissau	82.3	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
Guyana	97.6	94.8	94.3	94.3	94.3	94.3	94.3	94.3	94.3
Haiti	88.1	85.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
Honduras		73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
Hungary	12.1	5.6	6.0	12.7	11.1	10.8	11.2	11.8	11.8
Iceland	42.9	32.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
India	91.5	90.9	90.4	90.4	90.4	90.4	90.4	90.4	90.4
Indonesia	81.9	76.5	81.5	84.8	85.2	85.2	85.2	85.2	85.2
Iran (Islamic Republic of)	93.8	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
Iraq	78.8	82.0	86.4	91.5	87.8	91.5	78.1	72.6	73.5
Ireland	14.2	14.1	9.0	4.9	3.1	2.3	2.3	2.5	2.5

TABLE 7.
SHARE OF WATER WITHDRAWAL BY AGRICULTURE IN TOTAL WITHDRAWAL (PERCENT) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2017	2018	2019	2020	2021
Israel	59.1	57.3	57.3	52.6	43.3	51.7	51.4	49.8	48.4
Italy	44.1	40.5	44.1	49.7	50.0	50.1	50.1	50.2	50.2
Jamaica	64.9	57.0	30.7	16.4	9.9	12.0	15.4	21.4	17.1
Japan	63.3	65.9	66.9	67.4	67.7	67.6	68.0	67.9	67.9
Jordan	66.2	65.0	56.1	51.0	52.4	52.2	51.6	51.6	51.6
Kazakhstan	66.7	71.3	59.1	61.1	61.8	63.6	66.8	62.7	62.7
Kenya	64.7	69.7	59.3	59.3	80.2	80.2	80.2	80.2	80.2
Kiribati									
Kuwait	53.6	53.2	56.5	59.3	62.3	62.3	62.3	62.3	62.3
Kyrgyzstan	93.8	93.2	92.8	92.7	92.7	92.7	92.7	92.7	92.7
Lao People's Democratic Republic		91.4	94.8	96.2	95.9	95.9	95.9	95.9	95.9
Latvia	16.0	21.9	18.4	27.8	31.2	29.9	29.7	30.5	30.5
Lebanon	64.2	59.5	47.0	38.0	38.0	38.0	38.0	38.0	38.0
Lesotho	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
Liberia	9.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
Libya	82.8	82.8	83.1	83.2	83.2	83.2	83.2	83.2	83.2
Lithuania	0.7	3.4	6.8	15.6	22.7	22.5	22.5	22.5	22.5
Luxembourg	0.3	0.3	0.2	1.6	0.9	1.0	1.2	0.0	0.0
Madagascar	97.2	96.6	95.9	95.9	95.9	95.9	95.9	95.9	95.9
Malawi	87.1	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
Malaysia	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
Maldives	0.0	0.0	0.3	1.0	1.2	1.4	1.5	3.0	4.5
Mali	98.2	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
Malta	31.4	34.2	48.6	41.1	42.4	39.7	36.5	37.9	36.7
Marshall Islands									
Mauritania	93.7	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
Mauritius	74.8	67.4	62.4	56.0	55.8	51.0	50.3	50.2	49.8
Mexico	84.7	76.7	76.7	76.3	76.0	75.7	75.7	75.7	75.7
Micronesia (Federated States of)									
Mongolia	46.2	42.2	46.3	61.6	54.3	54.3	54.3	54.3	54.3
Montenegro			1.1	1.1	1.1	1.1	1.1	1.1	1.1
Morocco	87.3	78.5	87.8	87.8	87.8	87.8	87.8	87.8	87.8
Mozambique	77.7	73.4	73.2	73.0	73.0	73.0	73.0	73.0	73.0
Myanmar	89.0	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
Namibia	71.0	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
Nauru									
Nepal	97.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
Netherlands (Kingdom of the)	1.0	0.6	1.1	1.3	1.5	3.7	3.0	3.7	1.0
New Zealand	65.9	58.2	61.7	65.5	66.1	65.7	65.6	65.6	65.6
Nicaragua	82.5	78.3	78.3	81.8	83.4	84.2	85.1	85.0	85.0
Niger	67.3	66.7	87.5	88.5	86.4	90.9	91.0	91.0	91.0
Nigeria	53.5	47.6	44.2	44.2	44.2	44.2	44.2	44.2	44.2
North Macedonia	55.3	22.1	48.5	31.3	46.2	14.2	23.4	61.7	31.5
Norway	32.0	26.7	30.1	31.1	31.4	31.4	31.4	31.5	32.0

TABLE 7.
SHARE OF WATER WITHDRAWAL BY AGRICULTURE IN TOTAL WITHDRAWAL (PERCENT) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2017	2018	2019	2020	2021
Oman	90.4	87.7	86.4	82.6	82.6	82.6	80.8	80.8	80.8
Pakistan	94.3	94.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0
Palau									
Panama			43.0	35.7	36.8	36.8	36.8	36.8	36.8
Papua New Guinea	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Paraguay	71.4	75.1	76.9	78.6	78.6	78.6	78.6	78.6	78.6
Peru			87.5	86.2	85.9	85.8	85.1	85.1	85.1
Philippines			81.5	78.6	74.0	73.8	78.9	77.6	76.2
Poland	8.6	9.5	10.6	9.4	10.1	13.8	14.1	15.1	14.2
Portugal	76.9	71.5	67.0	59.8	55.5	57.0	55.8	55.8	55.8
Qatar	71.5	59.0	40.8	28.3	27.0	41.4	35.8	36.4	33.3
Republic of Korea	61.9	54.7	57.9	59.2	58.9	58.9	58.9	58.9	58.9
Republic of Moldova	17.0	8.3	4.2	5.2	5.0	5.1	5.2	6.9	6.9
Romania	9.7	8.1	11.9	20.0	22.0	22.2	23.1	30.8	31.5
Russian Federation	20.1	19.9	19.9	28.0	29.0	28.8	28.8	28.8	28.8
Rwanda	68.0	67.5	63.2	61.1	60.5	60.2	59.0	60.0	59.2
Saint Kitts and Nevis				1.3	1.3	1.3	1.3	1.3	1.3
Saint Lucia			70.9	70.9	70.9	70.9	70.9	70.9	70.9
Saint Vincent and the Grenadines	59.6	38.3	15.1	0.0	0.0	0.0	0.0	0.0	0.0
Samoa									
San Marino									
Sao Tome and Principe					62.6	62.6	62.6	62.6	62.6
Saudi Arabia	87.7	88.1	85.4	83.9	82.2	81.6	81.6	81.6	81.6
Senegal	89.9	92.1	90.7	89.5	89.0	91.1	91.3	91.3	91.3
Serbia			14.7	15.4	12.3	12.8	12.6	12.4	12.5
Seychelles	7.0	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
Sierra Leone	24.2	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5
Singapore	1.0	0.9	1.6	4.0	4.0	4.0	4.0	4.0	4.0
Slovakia	7.8	2.6	3.1	5.5	5.7	4.6	5.2	5.3	5.4
Slovenia		0.2	0.2	0.4	0.4	0.3	0.3	0.3	0.3
Solomon Islands									
Somalia	99.7	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
South Africa	61.3	61.8	62.3	60.8	58.8	57.8	60.8	62.5	61.3
South Sudan				36.5	36.5	36.5	36.5	36.5	36.5
Spain	64.8	64.4	66.3	65.7	65.8	65.3	65.3	65.3	65.3
Sri Lanka	92.2	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
Sudan				96.2	96.2	96.2	96.2	96.2	96.2
Suriname	92.5	74.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
Sweden	5.6	4.1	3.6	3.2	3.8	4.2	4.5	4.1	4.9
Switzerland	2.0	4.1	6.7	9.2	9.2	9.1	9.3	9.2	9.3
Syrian Arab Republic	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
Tajikistan	67.9	91.1	91.0	88.0	64.9	75.5	69.6	74.5	74.5
Thailand			90.4	90.4	90.4	90.4	90.4	90.4	90.4
Timor-Leste		91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4

TABLE 7.
SHARE OF WATER WITHDRAWAL BY AGRICULTURE IN TOTAL WITHDRAWAL (PERCENT) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2017	2018	2019	2020	2021
Togo	47.2	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
Tonga									
Trinidad and Tobago	5.4	4.3	4.4	4.4	4.4	4.4	4.4	4.4	4.4
Tunisia	82.0	81.1	80.2	79.3	74.4	76.3	76.4	75.5	75.5
Türkiye	80.0	83.3	85.7	86.7	87.0	87.1	87.3	87.0	77.1
Turkmenistan	96.5	94.3	94.3	94.3	94.3	94.3	59.0	61.4	92.7
Tuvalu									
Uganda	36.4	38.0	40.7	40.7	40.7	40.7	40.7	40.7	40.7
Ukraine	30.0	30.0	30.0	31.1	41.6	41.6	39.6	31.0	31.0
United Arab Emirates	78.5	82.8	65.0	50.5	47.4	47.8	47.3	46.5	45.7
United Kingdom of Great Britain and Northern Ireland	12.0	14.0	14.8	15.4	14.0	14.0	14.0	14.0	14.0
United Republic of Tanzania	87.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
United States of America	35.1	34.1	36.1	39.7	39.7	39.7	39.7	39.7	39.7
Uruguay	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
Uzbekistan	90.9	90.0	90.8	92.1	92.3	92.3	92.3	92.1	90.9
Vanuatu									
Venezuela (Bolivarian Republic of)	43.8	68.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9
Viet Nam	94.0	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
Yemen	90.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
Zambia	74.0	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
Zimbabwe	78.9	80.7	81.0	79.0	83.0	80.6	84.8	87.2	87.2

Source: FAO. 2024. AQUASTAT: AQUASTAT Dissemination System. [Accessed on 15 November 2024]. <https://data.apps.fao.org/aquastat/?lang=en>.
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TABLE 8.
EMPLOYMENT IN AGRICULTURE, FORESTRY AND FISHING (THOUSAND PEOPLE)

COUNTRY	2000	2005	2010	2015	2018	2019	2020	2021	2022
World	1 025 214	997 330	966 016	892 013	868 286	863 429	868 122	880 331	892 440
Africa	160 672	181 092	193 405	205 818	217 154	221 208	225 244	231 215	238 114
Americas	42 303	45 074	42 769	42 142	43 977	43 627	42 487	43 479	43 090
Asia	786 270	741 907	704 936	621 716	586 220	577 950	580 154	585 799	591 849
Europe	34 288	27 699	23 499	21 001	19 570	19 280	18 844	18 459	18 018
Oceania	1 681	1 559	1 407	1 337	1 365	1 364	1 392	1 379	1 369
Afghanistan	2 762	3 283	3 372	3 502	3 651	3 691	3 697	3 833	3 523
Albania	548	503	459	448	463	465	433	437	444
Algeria	1 394	1 646	1 171	919	1 084	1 066	1 024	1 056	1 110
Andorra									
Angola	2 104	2 602	3 979	5 521	5 817	5 909	6 309	6 897	7 103
Antigua and Barbuda									
Argentina	1 677	1 653	1 516	1 398	1 351	1 356	1 242	1 402	1 422
Armenia	716	686	685	653	625	616	639	666	655
Australia	433	354	357	311	330	330	352	330	300
Austria	225	201	222	192	163	163	170	163	158
Azerbaijan	1 571	1 548	1 543	1 634	1 734	1 811	1 773	1 825	1 865
Bahamas	7	6	6	7	7	7	6	6	7
Bahrain	5	6	7	8	8	8	8	8	8
Bangladesh	27 753	24 433	25 882	25 816	25 909	25 689	25 607	26 054	26 062
Barbados	5	3	4	4	4	4	4	4	4
Belarus	835	738	627	507	565	553	541	541	529
Belgium	79	87	61	54	48	45	45	46	46
Belize	20	18	22	26	27	27	27	27	28
Benin	1 418	1 571	1 709	1 468	1 289	1 284	1 303	1 302	1 341
Bhutan	173	195	187	194	187	192	190	197	176
Bolivia (Plurinational State of)	1 407	1 561	1 484	1 432	1 698	1 501	1 576	1 486	1 541
Bosnia and Herzegovina	209	208	210	179	171	204	136	163	204
Botswana	101	150	158	142	131	127	163	151	154
Brazil	10 869	12 574	10 014	8 661	8 420	8 443	8 179	8 745	8 619
Brunei Darussalam	2	2	2	3	2	4	3	3	3
Bulgaria	379	269	214	211	211	217	208	195	204
Burkina Faso	4 099	4 358	4 623	4 903	5 266	5 384	5 492	5 681	5 867
Burundi	2 400	2 760	3 426	3 848	4 084	4 230	4 321	4 480	4 645
Cabo Verde	40	40	38	32	24	22	21	22	22
Cambodia	4 074	3 847	3 685	3 224	3 269	3 439	3 202	3 300	3 311
Cameroon	4 179	4 662	4 490	4 223	4 347	4 398	4 480	4 556	4 707
Canada	382	352	315	301	285	295	287	259	257
Central African Republic	1 028	1 150	1 227	1 200	1 244	1 267	1 287	1 311	1 353
Chad	2 366	2 629	2 912	3 176	3 381	3 474	3 533	3 643	3 832
Chile	812	789	767	735	782	775	566	543	558
China	355 269	330 033	273 932	213 384	193 843	185 373	173 486	174 786	169 883
Colombia	2 884	3 482	3 609	3 564	3 823	3 624	3 531	3 563	3 375
Comoros	67	70	71	70	73	73	73	74	75

TABLE 8.
EMPLOYMENT IN AGRICULTURE, FORESTRY AND FISHING (THOUSAND PEOPLE) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2018	2019	2020	2021	2022
Congo	428	469	514	511	556	568	568	585	612
Costa Rica	250	273	236	314	353	351	340	326	302
Côte d'Ivoire	2 957	3 192	3 401	3 650	4 037	4 365	4 477	4 595	4 715
Croatia	272	279	245	148	104	105	107	113	99
Cuba	983	961	926	965	939	925	880	887	895
Cyprus	23	24	21	21	13	15	16	18	15
Czechia	234	180	150	147	147	140	135	131	131
Democratic People's Republic of Korea	6 518	6 542	6 715	6 769	6 861	6 852	6 746	6 763	6 824
Democratic Republic of the Congo	13 610	15 420	15 397	15 791	16 950	17 208	17 452	18 032	18 606
Denmark	100	88	68	68	62	64	60	59	63
Djibouti	3	3	3	2	2	2	2	2	2
Dominica									
Dominican Republic	474	445	453	411	433	420	404	377	377
Ecuador	1 375	1 806	1 729	1 906	2 288	2 400	2 317	2 657	2 675
Egypt	5 603	6 565	7 415	6 855	5 843	5 792	5 603	5 615	5 696
El Salvador	462	442	493	455	432	431	395	394	412
Equatorial Guinea	129	154	189	232	259	269	263	272	290
Eritrea	674	793	889	949	964	974	988	1 015	1 053
Estonia	37	32	24	25	22	21	19	18	18
Eswatini	42	40	38	38	39	39	39	40	42
Ethiopia	20 857	25 771	28 831	32 130	34 034	34 570	34 609	35 355	36 237
Fiji	65	91	110	109	105	104	102	102	105
Finland	143	116	109	103	95	97	93	106	100
France	1 015	930	781	741	687	695	645	704	742
Gabon	125	139	148	159	164	165	158	162	172
Gambia	251	279	307	356	392	397	402	415	426
Georgia	975	947	784	769	652	635	684	683	654
Germany	960	856	639	570	530	519	512	524	528
Ghana	4 029	5 043	4 395	4 007	5 249	5 257	5 368	5 472	5 579
Greece	729	511	517	445	444	427	391	438	453
Grenada									
Guatemala	1 615	1 611	1 732	1 924	2 146	2 030	1 973	1 987	1 912
Guinea	2 004	2 035	2 133	2 204	2 257	2 272	2 302	2 359	2 433
Guinea-Bissau	228	253	277	307	315	319	325	335	343
Guyana	61	55	50	47	41	38	29	30	30
Haiti	1 479	1 545	1 732	1 879	1 938	1 954	1 940	1 974	1 998
Honduras	850	872	1 139	1 057	1 295	1 294	947	1 015	1 028
Hungary	253	193	173	209	220	217	215	207	217
Iceland	14	11	10	8	9	9	8	8	9
India	216 372	204 433	219 413	202 999	196 540	197 731	214 268	220 789	226 058
Indonesia	42 802	42 410	43 279	39 802	37 877	37 718	38 538	37 462	39 043
Iran (Islamic Republic of)	3 868	4 317	3 811	3 942	4 184	4 350	4 104	3 826	3 940
Iraq	767	839	786	827	795	770	756	772	805
Ireland	140	120	110	109	107	102	102	106	100

TABLE 8.
EMPLOYMENT IN AGRICULTURE, FORESTRY AND FISHING (THOUSAND PEOPLE) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2018	2019	2020	2021	2022
Israel	53	54	49	37	35	36	35	31	31
Italy	1 096	951	855	841	871	907	910	921	884
Jamaica	226	206	199	228	222	215	217	224	219
Japan	3 195	2 752	2 476	2 234	2 256	2 187	2 091	2 104	2 068
Jordan	43	45	53	69	83	78	78	76	77
Kazakhstan	2 448	2 439	2 369	1 570	1 260	1 219	1 190	1 176	1 147
Kenya	5 349	6 094	6 696	7 192	7 273	7 262	7 369	7 549	7 621
Kiribati									
Kuwait	21	30	37	48	51	51	46	46	46
Kyrgyzstan	1 205	956	900	764	706	621	654	671	674
Lao People's Democratic Republic	1 591	1 691	1 761	1 702	1 748	1 824	1 889	1 953	2 079
Latvia	142	118	74	73	65	68	65	60	60
Lebanon	72	69	65	81	67	65	57	58	56
Lesotho	343	279	234	230	235	234	234	235	242
Liberia	652	725	815	835	844	865	873	897	921
Libya	186	200	199	162	165	169	167	170	173
Lithuania	281	205	109	123	102	90	78	72	74
Luxembourg	5	3	3	3	3	2	2	4	3
Madagascar	5 706	7 209	7 496	9 206	9 806	9 975	10 094	10 362	10 560
Malawi	3 442	3 801	3 792	3 932	4 150	4 296	4 415	4 559	4 759
Malaysia	1 386	1 528	1 609	1 818	1 647	1 624	1 661	1 680	1 650
Maldives	13	18	16	15	18	19	18	19	18
Mali	2 770	3 124	3 950	4 070	4 392	4 636	4 813	5 065	5 240
Malta	3	3	2	3	2	3	3	2	2
Marshall Islands									
Mauritania	280	285	290	280	296	313	318	323	335
Mauritius	55	51	47	43	36	33	29	28	29
Mexico	6 505	6 503	6 613	7 039	7 152	7 154	6 695	7 142	7 179
Micronesia (Federated States of)									
Mongolia	440	421	361	339	327	364	319	329	343
Montenegro	18	15	11	18	20	18	17	17	18
Morocco	3 693	4 297	4 166	3 884	3 584	3 555	3 386	3 407	3 372
Mozambique	6 583	7 025	7 506	8 133	8 871	9 094	9 278	9 526	9 914
Myanmar	13 666	13 004	12 423	12 543	11 855	11 865	11 015	9 845	9 956
Namibia	143	156	186	171	163	162	160	163	167
Nauru									
Nepal	3 908	4 221	4 180	4 226	4 408	4 464	4 411	4 591	4 780
Netherlands (Kingdom of the)	263	294	259	198	188	190	189	208	179
New Zealand	159	151	150	146	155	158	165	172	175
Nicaragua	561	578	668	820	813	805	809	818	839
Niger	3 772	4 319	5 166	5 476	6 051	6 241	6 416	6 621	6 931
Nigeria	19 938	20 610	21 555	22 206	24 067	24 649	25 118	25 900	26 809
North Macedonia	140	102	111	126	112	109	93	90	77
Norway	100	77	64	53	57	56	57	67	63

TABLE 8.
EMPLOYMENT IN AGRICULTURE, FORESTRY AND FISHING (THOUSAND PEOPLE) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2018	2019	2020	2021	2022
Oman	50	72	63	115	107	113	114	133	135
Pakistan	19 877	22 157	25 975	26 728	24 989	26 222	26 281	26 735	27 122
Palau									
Panama	199	214	265	255	265	276	233	280	288
Papua New Guinea	831	759	575	555	558	555	558	558	569
Paraguay	638	750	636	607	613	583	646	625	553
Peru	4 205	4 625	4 403	4 355	4 546	4 577	5 258	4 723	4 514
Philippines	10 639	11 412	12 112	12 059	10 392	10 076	10 242	10 482	11 083
Poland	2 747	2 542	2 161	1 985	1 725	1 645	1 718	1 525	1 588
Portugal	638	610	549	342	294	270	258	250	247
Qatar	10	16	19	22	28	33	28	26	26
Republic of Korea	2 395	1 835	1 575	1 402	1 373	1 427	1 476	1 484	1 552
Republic of Moldova	923	820	1 013	1 101	994	995	986	1 006	1 051
Romania	4 830	2 866	2 710	2 182	1 936	1 846	1 751	1 445	1 456
Russian Federation	9 514	6 985	5 460	4 779	4 204	4 138	4 184	4 139	4 028
Rwanda	2 126	2 375	2 548	2 329	2 025	1 896	2 210	2 265	2 425
Saint Kitts and Nevis									
Saint Lucia	12	9	9	8	9	9	6	9	9
Saint Vincent and the Grenadines	7	6	5	5	4	4	4	4	4
Samoa	24	21	19	15	14	13	13	13	14
San Marino									
Sao Tome and Principe	12	12	11	11	10	10	10	11	11
Saudi Arabia	491	553	671	752	417	507	469	407	452
Senegal	1 275	1 184	1 165	1 082	946	1 045	1 063	1 074	1 070
Serbia	867	657	588	531	485	488	455	459	453
Seychelles									
Sierra Leone	1 105	1 363	1 354	1 275	1 126	1 124	1 137	1 154	1 186
Singapore	19	24	15	8	6	5	4	4	4
Slovakia	139	106	75	77	59	72	65	83	70
Slovenia	86	87	85	65	55	43	40	41	44
Solomon Islands	102	110	116	123	128	129	131	134	136
Somalia	499	571	611	608	623	624	631	645	662
South Africa	3 116	2 979	2 544	2 753	2 820	2 944	3 714	3 580	3 339
South Sudan	1 335	1 632	2 111	2 366	2 073	2 100	2 109	2 174	2 279
Spain	1 056	1 021	790	740	817	801	769	810	780
Sri Lanka	2 668	2 412	2 417	2 351	2 063	2 078	2 151	2 178	2 140
Sudan	3 193	3 417	3 715	3 825	4 065	4 152	4 178	4 307	4 480
Suriname	9	14	14	15	17	17	17	17	17
Sweden	123	101	95	99	89	87	88	102	99
Switzerland	181	148	150	155	142	121	119	112	109
Syrian Arab Republic	1 456	1 067	818	613	648	681	680	713	777
Tajikistan	820	902	957	1 025	1 025	1 022	1 027	1 032	1 057
Thailand	17 550	16 502	14 993	12 921	12 853	12 491	12 482	12 717	12 328
Timor-Leste	213	219	229	250	236	232	227	208	224

TABLE 8.
EMPLOYMENT IN AGRICULTURE, FORESTRY AND FISHING (THOUSAND PEOPLE) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2018	2019	2020	2021	2022
Togo	920	1 011	871	911	870	866	877	894	910
Tonga	12	11	12	11	11	11	10	10	10
Trinidad and Tobago	38	27	25	23	21	21	20	20	20
Tunisia	565	565	607	516	517	501	483	485	502
Türkiye	7 630	5 216	5 467	5 635	5 492	5 255	4 826	5 039	5 190
Turkmenistan	477	525	532	490	465	455	447	446	460
Tuvalu									
Uganda	5 598	6 708	7 813	9 326	10 435	10 740	10 922	11 294	11 733
Ukraine	4 533	4 258	3 354	2 978	2 949	2 939	2 831	2 745	
United Arab Emirates	158	155	197	125	92	142	111	89	89
United Kingdom of Great Britain and Northern Ireland	427	404	361	362	353	348	342	338	335
United Republic of Tanzania	13 254	13 907	14 618	16 014	17 167	17 512	17 807	18 421	19 202
United States of America	3 177	2 454	2 488	2 743	2 758	2 753	2 695	2 654	2 666
Uruguay	145	138	180	142	133	132	121	128	135
Uzbekistan	3 170	3 241	2 970	3 292	3 288	3 275	3 335	3 339	3 356
Vanuatu	47	53	63	62	60	59	55	55	55
Venezuela (Bolivarian Republic of)	945	1 075	1 018	801	1 146	1 192	1 110	1 138	1 193
Viet Nam	25 001	23 498	24 281	23 548	20 599	19 057	17 481	15 604	18 428
Yemen	1 873	1 238	1 155	1 307	1 481	1 512	1 533	1 537	1 606
Zambia	1 805	2 145	2 523	2 903	3 287	3 315	3 604	3 639	3 742
Zimbabwe	2 793	3 219	3 037	3 341	3 410	3 417	3 224	2 999	3 041

Source: FAO. 2024. FAOSTAT: Employment Indicators: Agriculture and agrifood systems. [Accessed on 15 November 2024].

<https://www.fao.org/faostat/en/#data/OEA>. Licence: CC-BY-4.0.

TABLE 9.
SHARE OF AGRICULTURE, FORESTRY AND FISHING EMPLOYMENT IN TOTAL EMPLOYMENT (PERCENT)

COUNTRY	2000	2005	2010	2015	2018	2019	2020	2021	2022
World	39.7	36.0	32.7	28.4	26.8	26.3	27.0	26.6	26.2
Africa	57.8	56.1	52.7	49.7	48.7	48.3	48.8	48.4	47.8
Americas	11.9	11.6	10.4	9.5	9.5	9.3	9.7	9.5	9.0
Asia	48.4	43.2	38.5	32.3	29.7	29.0	29.6	29.1	28.8
Europe	11.0	8.6	7.1	6.3	5.7	5.6	5.5	5.4	5.2
Oceania	12.0	10.2	8.5	7.5	7.1	6.9	7.1	6.8	6.6
Afghanistan	65.3	61.6	54.3	44.6	44.5	45.0	46.0	46.6	46.6
Albania	49.9	47.0	42.1	41.3	37.3	36.4	36.2	35.6	34.9
Algeria	22.2	19.6	12.0	8.8	10.1	9.8	10.0	10.0	9.7
Andorra									
Angola	37.1	38.2	48.7	56.8	54.4	53.4	55.2	56.7	56.3
Antigua and Barbuda									
Argentina	11.9	10.6	8.9	7.8	7.4	7.3	7.3	7.3	7.2
Armenia	55.9	53.5	52.8	52.2	51.5	49.6	52.4	53.1	52.4
Australia	4.9	3.6	3.2	2.6	2.6	2.6	2.8	2.5	2.2
Austria	6.1	5.3	5.4	4.5	3.7	3.7	3.9	3.7	3.5
Azerbaijan	41.0	39.3	38.2	36.4	36.2	36.0	36.3	36.3	35.6
Bahamas	4.1	3.5	3.3	3.5	3.2	3.2	3.1	3.1	3.0
Bahrain	1.6	1.3	1.1	1.1	1.0	1.0	0.9	0.9	0.9
Bangladesh	60.8	48.1	47.3	43.5	39.4	38.2	38.1	37.5	36.9
Barbados	3.7	2.4	3.0	2.9	3.1	2.8	2.8	2.8	2.7
Belarus	19.3	15.9	12.8	10.2	11.3	11.1	10.9	10.9	10.6
Belgium	1.9	2.0	1.4	1.2	1.0	0.9	0.9	0.9	0.9
Belize	26.1	19.6	18.5	18.1	17.4	16.9	17.3	17.2	16.8
Benin	51.9	48.7	45.2	36.0	30.6	29.6	29.4	29.1	28.4
Bhutan	69.5	65.1	57.2	58.0	54.0	51.1	49.9	49.9	44.0
Bolivia (Plurinational State of)	38.9	38.6	31.7	29.7	31.1	27.4	30.0	27.6	27.0
Bosnia and Herzegovina	19.6	20.2	19.7	17.9	15.7	18.0	12.2	13.8	16.9
Botswana	20.0	26.6	23.9	18.6	15.8	14.9	19.4	17.6	17.6
Brazil	15.4	15.5	11.5	9.3	9.1	8.9	9.3	9.5	8.7
Brunei Darussalam	1.4	1.4	1.4	1.4	1.1	2.0	1.3	1.4	1.4
Bulgaria	13.2	8.9	6.8	6.9	6.6	6.6	6.6	6.3	6.4
Burkina Faso	85.4	81.5	79.1	76.9	75.3	74.7	74.8	74.6	74.2
Burundi	91.9	90.6	88.3	86.3	86.0	85.6	85.3	85.3	85.1
Cabo Verde	29.3	24.7	20.2	15.8	11.8	10.6	10.7	10.5	10.1
Cambodia	73.5	62.0	54.8	42.5	39.0	39.9	36.9	37.1	36.6
Cameroon	66.6	62.0	55.0	46.5	43.9	43.1	43.1	42.8	42.2
Canada	2.5	2.1	1.8	1.6	1.5	1.5	1.6	1.3	1.3
Central African Republic	76.0	75.5	73.4	72.9	71.6	71.3	71.3	71.2	70.8
Chad	81.6	77.0	74.9	71.3	70.4	69.8	69.8	69.5	69.2
Chile	14.4	12.7	10.7	9.2	9.3	9.1	7.2	6.5	6.3
China	49.2	44.1	36.1	27.8	25.3	24.3	23.2	22.8	22.2
Colombia	20.3	20.3	18.5	16.3	17.0	16.1	16.7	15.9	14.6
Comoros	57.8	54.1	45.4	37.9	36.5	36.1	35.8	35.2	34.6

TABLE 9.
SHARE OF AGRICULTURE, FORESTRY AND FISHING EMPLOYMENT IN TOTAL EMPLOYMENT (PERCENT) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2018	2019	2020	2021	2022
Congo	43.8	40.0	35.6	32.1	33.0	32.7	33.0	32.8	32.3
Costa Rica	16.3	15.2	12.4	14.4	15.8	15.3	16.5	15.2	13.4
Côte d'Ivoire									
Croatia	16.5	17.3	14.3	9.2	6.2	6.2	6.5	6.8	5.9
Cuba	22.7	20.2	18.6	18.7	17.9	17.5	17.8	17.6	17.1
Cyprus	5.4	4.7	3.8	4.0	2.2	2.4	2.7	2.9	2.4
Czechia	5.0	3.8	3.1	2.9	2.8	2.7	2.6	2.5	2.5
Democratic People's Republic of Korea	51.9	49.7	48.1	46.4	45.7	45.4	45.5	45.2	44.6
Democratic Republic of the Congo	74.2	71.9	66.1	59.2	57.7	56.9	56.9	56.6	56.1
Denmark	3.7	3.2	2.5	2.5	2.2	2.2	2.1	2.0	2.1
Djibouti	2.4	2.1	1.8	1.4	1.3	1.2	1.2	1.2	1.2
Dominica									
Dominican Republic	15.6	13.7	12.4	9.7	9.3	8.8	9.0	8.0	7.7
Ecuador	27.9	30.5	27.9	26.2	28.8	29.7	31.8	32.2	31.5
Egypt	29.6	30.9	28.3	25.8	21.7	21.2	20.4	19.3	18.7
El Salvador	21.6	20.0	20.8	18.1	16.7	16.3	15.8	14.9	15.0
Equatorial Guinea	62.8	57.4	54.9	54.9	55.4	55.6	56.1	56.0	55.5
Eritrea	67.9	67.6	67.5	66.5	65.1	64.3	64.7	64.4	64.0
Estonia	6.4	5.2	4.2	3.9	3.3	3.2	3.0	2.7	2.6
Eswatini	18.4	16.6	14.9	13.4	13.3	13.3	13.6	13.6	13.4
Ethiopia	76.6	78.1	73.8	69.0	66.3	65.3	64.6	63.5	62.8
Fiji	21.5	28.2	29.8	30.4	29.5	29.3	29.7	29.4	28.8
Finland	6.2	4.8	4.4	4.2	3.7	3.8	3.7	4.1	3.8
France	4.1	3.6	2.9	2.7	2.5	2.5	2.4	2.5	2.6
Gabon	40.4	38.0	35.6	32.0	30.6	30.0	30.2	29.9	29.3
Gambia	61.3	58.3	54.4	51.8	49.6	48.6	48.5	48.2	47.5
Georgia	52.2	54.3	48.1	44.0	38.9	38.1	41.1	40.7	39.9
Germany	2.6	2.4	1.6	1.4	1.2	1.2	1.2	1.3	1.2
Ghana	53.1	54.6	42.0	35.2	41.1	40.2	40.5	40.3	39.7
Greece	16.8	11.3	11.9	12.5	11.9	11.2	10.3	11.4	11.2
Grenada									
Guatemala	39.8	34.7	33.5	31.9	32.9	31.1	30.5	29.2	27.1
Guinea	71.3	68.8	66.9	63.5	61.4	61.0	61.2	60.9	60.3
Guinea-Bissau	61.0	59.7	57.5	55.2	51.9	51.1	51.2	50.9	50.3
Guyana	25.1	22.5	20.3	18.8	15.9	15.3	12.1	12.5	11.9
Haiti	51.6	50.3	49.4	47.5	46.4	46.1	46.3	46.0	45.5
Honduras	36.1	33.1	36.5	28.7	31.0	31.1	25.2	24.8	24.2
Hungary	6.5	4.9	4.5	4.9	4.8	4.7	4.8	4.4	4.4
Iceland	8.7	6.5	5.6	4.2	4.0	4.0	4.0	4.0	4.1
India	59.6	53.1	51.1	44.3	41.3	40.7	44.7	44.1	42.9
Indonesia	45.3	44.0	39.1	33.0	29.7	28.7	29.6	29.0	29.3
Iran (Islamic Republic of)	22.6	20.7	18.1	17.1	16.7	17.0	16.7	15.5	15.1
Iraq	14.2	13.3	11.3	9.5	8.9	8.5	8.7	8.6	8.4
Ireland	8.0	5.9	5.8	5.3	4.8	4.4	4.5	4.5	4.0

TABLE 9.
SHARE OF AGRICULTURE, FORESTRY AND FISHING EMPLOYMENT IN TOTAL EMPLOYMENT (PERCENT) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2018	2019	2020	2021	2022
Israel	2.2	2.0	1.6	1.0	0.9	0.9	0.9	0.8	0.8
Italy	5.2	4.2	3.8	3.8	3.8	3.9	4.0	4.1	3.8
Jamaica	20.9	18.1	17.7	17.7	16.3	15.2	15.9	15.7	15.3
Japan	4.9	4.3	3.9	3.5	3.4	3.3	3.1	3.2	3.1
Jordan	4.2	4.0	3.5	3.4	3.7	3.4	3.3	3.3	3.2
Kazakhstan	36.1	32.4	28.3	18.0	14.2	13.7	13.5	13.2	12.9
Kenya	45.5	42.8	39.7	36.4	34.3	33.6	33.6	33.3	32.6
Kiribati									
Kuwait	2.3	2.6	2.4	2.2	2.1	2.0	2.0	2.0	1.9
Kyrgyzstan	53.1	38.5	34.4	30.4	27.7	24.2	25.1	25.2	24.6
Lao People's Democratic Republic	81.8	77.5	71.4	63.9	62.8	64.4	66.4	67.8	69.6
Latvia	14.9	12.1	8.6	7.9	7.0	7.3	7.2	6.8	6.8
Lebanon	6.1	5.2	4.2	3.9	3.6	3.6	3.7	3.6	3.5
Lesotho	46.6	38.5	32.2	30.8	30.3	29.8	30.2	30.0	29.4
Liberia	51.5	51.5	47.3	42.1	40.1	40.1	40.2	39.9	39.3
Libya	14.2	12.9	11.3	10.0	9.5	9.5	9.6	9.5	9.2
Lithuania	19.2	14.3	8.8	9.1	7.2	6.4	5.7	5.3	5.5
Luxembourg	2.4	1.7	1.1	1.0	1.1	0.7	0.8	1.1	1.1
Madagascar	78.7	82.0	73.4	74.6	72.8	71.9	71.7	71.2	70.1
Malawi	73.2	71.6	67.7	65.0	63.3	62.8	62.9	62.6	62.1
Malaysia	15.3	14.6	13.3	12.5	10.6	10.2	10.5	10.3	10.0
Maldives	14.5	17.3	12.8	8.3	8.0	7.9	8.0	7.8	7.3
Mali	66.7	63.9	69.3	62.3	63.0	65.6	68.1	68.2	68.0
Malta	2.0	2.1	1.3	1.5	1.0	1.0	1.1	0.8	0.8
Marshall Islands									
Mauritania	44.8	41.3	37.8	33.4	33.1	34.0	34.0	33.7	33.0
Mauritius	11.4	10.0	8.6	7.5	6.2	5.6	5.3	5.3	5.1
Mexico	17.4	15.6	14.6	14.0	13.4	13.0	13.2	13.1	12.6
Micronesia (Federated States of)									
Mongolia	48.6	42.0	33.5	28.5	26.7	27.8	25.1	26.9	26.3
Montenegro	10.4	8.6	5.6	7.7	8.0	7.1	7.5	7.4	7.2
Morocco	44.1	45.5	40.0	36.2	33.3	32.4	32.1	31.2	30.8
Mozambique	82.4	79.5	76.5	72.1	71.2	70.7	70.8	70.5	70.1
Myanmar	61.6	57.1	53.4	51.7	48.9	49.8	46.5	46.1	45.5
Namibia	31.3	30.5	31.7	24.5	22.6	22.1	22.1	22.0	21.6
Nauru									
Nepal	73.2	72.6	67.4	64.9	63.0	62.3	62.2	61.9	61.4
Netherlands (Kingdom of the)	3.3	3.7	3.1	2.3	2.1	2.1	2.1	2.3	1.9
New Zealand	8.7	7.2	6.9	6.1	5.9	5.8	6.0	6.1	6.0
Nicaragua	33.0	28.9	29.7	30.9	29.0	28.4	28.5	28.3	27.7
Niger	79.0	78.4	77.2	73.1	71.9	71.4	71.4	71.3	70.9
Nigeria	49.6	45.0	41.3	38.0	38.6	38.6	38.8	38.6	38.0
North Macedonia	24.7	18.4	18.1	17.7	14.6	13.5	11.6	11.1	9.7
Norway	4.3	3.3	2.5	2.0	2.1	2.0	2.1	2.3	2.2

TABLE 9.
SHARE OF AGRICULTURE, FORESTRY AND FISHING EMPLOYMENT IN TOTAL EMPLOYMENT (PERCENT) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2018	2019	2020	2021	2022
Oman	6.4	8.0	5.2	5.3	4.4	4.7	5.2	6.2	6.1
Pakistan	45.0	43.1	43.4	41.0	37.4	38.3	38.0	37.1	36.4
Palau									
Panama	17.0	15.7	17.4	14.7	14.2	14.4	14.1	15.7	15.3
Papua New Guinea	36.0	32.2	25.7	21.7	20.1	19.5	19.3	19.0	18.5
Paraguay	31.9	32.0	25.5	21.8	20.1	18.7	21.3	19.7	17.4
Peru	38.6	34.7	28.1	27.0	26.1	25.6	33.7	27.9	25.7
Philippines	37.1	35.2	33.0	29.2	24.3	22.9	24.8	24.3	23.7
Poland	18.7	17.4	13.1	11.5	9.6	9.2	9.6	8.4	8.3
Portugal	12.7	12.0	11.2	7.5	6.0	5.5	5.4	5.2	5.0
Qatar	2.6	2.9	1.5	1.2	1.4	1.6	1.4	1.3	1.3
Republic of Korea	11.0	7.9	6.5	5.2	5.0	5.1	5.4	5.3	5.4
Republic of Moldova	50.9	49.1	54.6	59.6	59.2	58.2	57.8	57.0	55.4
Romania	45.2	32.3	31.0	25.6	22.3	21.2	20.5	18.5	18.0
Russian Federation	14.5	10.1	7.7	6.7	5.9	5.8	6.0	5.9	5.7
Rwanda	88.9	85.5	79.4	63.6	50.1	47.3	50.1	56.2	56.0
Saint Kitts and Nevis									
Saint Lucia	21.1	13.8	12.7	11.0	11.3	10.1	7.6	10.6	10.5
Saint Vincent and the Grenadines	16.8	14.3	12.6	11.2	10.4	10.1	10.2	10.0	9.7
Samoa	41.3	36.3	30.7	24.9	21.4	20.9	20.9	20.6	20.1
San Marino									
Sao Tome and Principe	32.1	27.9	22.6	19.5	18.1	17.8	17.8	17.6	17.1
Saudi Arabia	7.3	6.9	6.4	5.9	3.1	3.5	3.2	2.7	2.9
Senegal	49.2	41.6	38.0	31.3	22.2	23.0	23.0	22.2	21.5
Serbia	26.9	23.3	22.3	19.4	15.9	15.6	14.6	14.1	13.6
Seychelles									
Sierra Leone	69.3	68.0	63.9	55.9	46.2	44.8	44.6	44.1	43.3
Singapore	0.9	1.1	0.5	0.2	0.2	0.1	0.1	0.1	0.1
Slovakia	6.7	4.7	3.2	3.2	2.3	2.8	2.6	3.2	2.5
Slovenia	9.6	9.1	8.8	7.1	5.5	4.3	4.1	4.1	4.3
Solomon Islands	50.2	47.1	43.9	40.4	38.8	38.0	38.1	37.9	37.3
Somalia	38.7	37.1	34.8	30.3	27.8	26.9	26.7	26.5	25.9
South Africa	21.0	18.2	16.6	15.4	15.7	16.4	21.4	21.3	19.3
South Sudan	65.8	63.3	61.2	60.4	61.2	61.0	61.0	60.8	60.3
Spain	6.7	5.3	4.2	4.1	4.2	4.0	4.0	4.1	3.8
Sri Lanka	37.9	32.9	30.9	28.7	25.5	25.3	27.1	26.9	26.4
Sudan	51.6	48.3	45.6	42.7	41.1	40.9	41.1	40.9	40.4
Suriname	6.7	8.4	7.7	7.2	7.6	7.7	7.8	7.8	7.5
Sweden	2.9	2.3	2.1	2.0	1.7	1.7	1.7	2.0	1.9
Switzerland	4.6	3.7	3.6	3.4	3.0	2.5	2.5	2.4	2.3
Syrian Arab Republic	32.9	22.0	14.8	16.6	16.4	16.0	16.1	15.9	15.5
Tajikistan	60.1	55.2	52.4	48.4	45.8	45.0	44.8	44.3	43.5
Thailand	51.7	43.9	38.2	32.3	32.2	31.5	31.4	31.9	30.4
Timor-Leste	64.4	59.6	55.0	52.9	46.0	44.1	42.5	37.8	39.2

TABLE 9.
SHARE OF AGRICULTURE, FORESTRY AND FISHING EMPLOYMENT IN TOTAL EMPLOYMENT (PERCENT) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2018	2019	2020	2021	2022
Togo	57.2	54.7	39.9	36.5	32.8	31.8	31.8	31.4	30.8
Tonga	33.9	31.7	31.8	31.5	31.1	30.0	28.8	26.7	26.9
Trinidad and Tobago	7.2	4.3	3.8	3.4	3.2	3.1	3.1	3.1	3.0
Tunisia	20.3	18.5	17.9	14.8	14.5	14.3	14.5	14.4	14.0
Türkiye	36.9	25.7	23.7	20.4	18.4	18.1	17.6	17.2	16.7
Turkmenistan	35.2	33.2	30.3	26.4	24.2	23.4	23.4	23.2	22.7
Tuvalu									
Uganda	70.0	70.8	71.4	70.8	69.7	68.5	67.9	66.7	66.3
Ukraine	22.3	20.4	16.6	15.3	15.3	15.2	15.3	15.1	
United Arab Emirates	8.5	6.0	3.6	2.1	1.5	2.2	1.8	1.4	1.4
United Kingdom of Great Britain and Northern Ireland	1.5	1.4	1.2	1.1	1.1	1.0	1.0	1.0	1.0
United Republic of Tanzania	83.0	74.8	70.5	67.6	66.3	65.8	65.8	66.0	65.5
United States of America	2.3	1.7	1.7	1.8	1.7	1.7	1.7	1.7	1.6
Uruguay	11.1	10.4	11.6	8.8	8.4	8.3	8.0	8.1	8.4
Uzbekistan	37.7	32.6	26.8	27.5	26.6	26.2	26.9	26.5	25.9
Vanuatu	67.7	64.8	63.8	56.3	51.1	49.2	44.7	43.5	42.3
Venezuela (Bolivarian Republic of)	10.6	10.3	8.5	6.3	9.6	11.0	11.5	11.8	11.5
Viet Nam	65.3	54.9	48.7	44.0	37.7	34.7	32.6	29.0	33.6
Yemen	49.7	29.8	24.1	30.2	30.5	30.0	30.1	29.8	29.3
Zambia	68.8	70.9	66.5	60.7	59.8	57.4	59.1	57.8	57.3
Zimbabwe	65.6	72.9	67.2	66.3	63.4	62.4	58.8	53.6	52.6

Source: FAO. 2024. FAOSTAT: Employment Indicators: Agriculture and agrifood systems. [Accessed on 15 November 2024].
<https://www.fao.org/faostat/en/#data/OEA>. Licence: CC-BY-4.0.

TABLE 10.
SHARE OF WOMEN IN AGRICULTURE, FORESTRY AND FISHING EMPLOYMENT (PERCENT)

COUNTRY	2000	2005	2010	2015	2018	2019	2020	2021	2022
World	38.7	39.0	38.3	38.0	38.0	38.1	37.8	38.4	38.5
Africa	46.5	46.7	45.9	45.5	45.1	44.9	44.7	44.8	44.4
Americas	21.6	23.8	22.1	21.7	22.1	22.3	23.0	23.7	23.3
Asia	38.0	38.0	37.1	36.6	36.7	36.8	36.2	37.1	37.3
Europe	41.1	40.2	39.4	37.7	36.2	36.2	35.9	35.6	35.2
Oceania	35.1	35.0	35.1	34.7	33.8	33.9	34.6	35.5	34.2
Afghanistan	21.2	22.4	22.2	28.9	29.7	26.1	21.8	19.3	5.9
Albania	52.2	53.0	52.7	49.1	49.4	50.2	50.0	50.9	50.4
Algeria	8.4	7.1	4.4	6.8	6.7	6.5	6.2	6.5	6.0
Andorra									
Angola	61.6	59.7	57.2	58.7	56.5	55.6	54.8	54.2	53.1
Antigua and Barbuda									
Argentina	21.2	19.1	18.1	18.0	17.9	18.0	19.6	19.3	19.2
Armenia	57.1	60.6	62.1	63.6	64.5	65.5	63.0	66.8	65.8
Australia	31.0	30.6	32.0	32.4	30.1	31.6	32.5	33.9	29.1
Austria	46.4	45.7	44.4	43.9	41.7	41.0	41.3	42.7	42.4
Azerbaijan	55.3	47.4	58.5	57.2	56.8	56.7	56.3	57.1	56.6
Bahamas	13.0	4.6	13.5	17.0	17.0	16.7	18.2	18.5	18.1
Bahrain	2.2	1.6	0.9	1.0	1.0	0.9	0.9	0.9	0.9
Bangladesh	27.7	34.0	37.0	39.7	46.1	46.7	46.5	47.9	47.3
Barbados	39.7	35.2	32.0	28.1	26.8	18.2	19.9	21.0	20.4
Belarus	38.6	38.4	37.9	35.6	34.5	34.8	34.6	36.6	35.5
Belgium	26.5	31.7	29.9	28.8	30.2	32.3	32.7	27.9	29.4
Belize	6.7	5.3	7.7	9.1	11.1	14.6	9.8	10.2	10.2
Benin	39.5	40.6	40.9	30.7	23.0	22.9	22.8	22.6	22.3
Bhutan	46.5	48.9	49.3	45.7	47.5	51.5	50.8	51.2	52.2
Bolivia (Plurinational State of)	39.8	43.0	44.3	41.7	44.3	43.1	40.9	42.3	41.3
Bosnia and Herzegovina	43.9	38.7	42.9	35.5	38.7	44.1	43.3	45.3	45.5
Botswana	37.7	32.4	33.5	30.2	27.5	26.7	32.2	27.0	23.9
Brazil	23.1	28.2	23.2	20.6	19.1	19.1	19.5	20.1	19.4
Brunei Darussalam	10.3	10.2	11.2	13.2	21.3	14.7	19.7	8.8	9.4
Bulgaria	37.7	35.9	36.0	29.8	30.0	30.1	29.8	30.1	30.6
Burkina Faso	47.4	44.3	44.7	46.2	46.4	46.5	46.5	46.7	46.4
Burundi	55.1	54.7	55.7	56.4	55.8	55.5	55.2	55.4	55.0
Cabo Verde	32.7	34.7	36.2	30.2	24.8	23.3	23.3	23.8	22.7
Cambodia	50.3	48.7	47.6	48.9	48.6	48.0	50.2	50.4	49.6
Cameroon	51.2	52.6	51.6	52.3	52.6	52.7	52.5	53.0	52.3
Canada	30.3	29.9	29.5	29.3	30.0	31.5	31.1	31.7	29.8
Central African Republic	49.3	48.8	48.7	48.2	48.3	48.4	48.4	48.5	48.2
Chad	46.1	45.6	44.4	42.6	41.0	41.0	41.0	41.0	40.4
Chile	10.7	13.8	18.9	21.0	23.5	22.2	22.0	21.9	22.5
China	41.6	41.1	39.3	37.8	37.7	37.5	37.2	37.8	37.1
Colombia	12.6	13.1	14.2	16.8	17.0	15.7	15.6	16.1	15.8
Comoros	44.6	45.1	39.8	35.4	36.5	36.8	36.6	37.3	36.1

TABLE 10.
SHARE OF WOMEN IN AGRICULTURE, FORESTRY AND FISHING EMPLOYMENT (PERCENT) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2018	2019	2020	2021	2022
Congo	51.5	50.8	50.2	48.4	48.6	48.6	48.4	48.7	48.0
Costa Rica	7.4	10.6	10.9	19.7	22.3	23.3	23.3	21.8	23.3
Côte d'Ivoire	34.4	35.1	36.0	36.1	36.4	36.9	36.8	37.4	36.7
Croatia	44.7	48.6	49.6	36.9	37.0	32.4	31.3	33.1	30.7
Cuba	14.7	17.0	17.5	16.2	15.5	15.1	15.0	15.1	14.3
Cyprus	33.3	30.1	29.2	24.0	21.6	23.9	25.5	18.9	16.6
Czechia	31.5	31.5	26.5	24.4	27.9	29.0	27.1	26.1	27.9
Democratic People's Republic of Korea	54.8	54.3	53.5	52.4	51.5	51.3	50.9	51.1	50.6
Democratic Republic of the Congo	56.1	56.0	54.6	55.5	55.7	55.9	55.9	56.1	55.9
Denmark	25.0	23.5	17.3	18.8	20.5	23.2	21.8	21.1	23.8
Djibouti	22.6	21.0	21.3	19.6	18.9	18.8	18.7	19.0	18.3
Dominica									
Dominican Republic	5.0	6.2	6.1	5.5	6.0	6.1	5.2	6.6	6.4
Ecuador	29.4	32.3	28.6	34.0	37.0	37.5	35.7	38.2	38.6
Egypt	24.9	28.2	30.2	32.4	18.1	16.1	14.9	16.1	16.6
El Salvador	7.1	9.8	10.7	8.8	8.4	8.5	9.1	9.1	12.3
Equatorial Guinea	45.0	43.8	44.5	44.6	44.2	44.2	44.0	44.5	43.9
Eritrea	53.5	53.1	51.8	50.5	50.4	50.8	50.6	50.7	50.4
Estonia	34.8	31.4	34.0	31.2	24.2	23.1	25.2	26.1	31.1
Eswatini	41.4	40.2	39.6	39.3	39.3	39.5	39.2	39.8	38.9
Ethiopia	39.5	42.5	41.7	40.7	40.7	40.6	40.1	40.2	39.8
Fiji	23.9	22.3	25.6	23.6	22.5	22.2	22.0	22.1	21.6
Finland	29.6	29.1	30.2	25.3	26.8	26.2	26.7	24.9	25.3
France	31.0	29.3	29.4	29.3	26.8	28.3	29.7	28.3	29.8
Gabon	54.7	53.9	52.4	51.8	49.6	49.2	48.7	49.0	48.7
Gambia	53.1	54.4	56.0	59.2	62.1	62.3	62.2	62.7	62.1
Georgia	52.4	51.0	49.6	51.1	50.9	50.3	49.9	50.6	49.8
Germany	35.2	33.3	33.6	32.0	31.8	32.4	31.7	35.3	33.5
Ghana	48.5	45.7	43.3	37.5	44.4	44.4	44.4	44.8	44.3
Greece	40.1	40.8	39.7	39.4	38.7	38.4	38.1	38.5	37.4
Grenada									
Guatemala	15.0	14.1	14.2	9.8	11.1	11.3	12.5	14.0	11.8
Guinea	54.1	52.9	50.0	46.8	44.6	43.9	43.8	43.7	43.6
Guinea-Bissau	49.1	49.0	48.8	48.6	48.9	49.1	48.8	49.0	48.4
Guyana	11.6	10.9	14.0	17.8	20.6	18.8	18.0	15.0	14.3
Haiti	31.9	31.2	31.8	32.4	31.8	31.1	31.1	31.5	29.8
Honduras	7.2	8.2	10.8	9.0	13.2	14.6	14.1	14.5	14.1
Hungary	23.3	24.7	23.4	24.5	25.1	26.8	26.5	27.8	27.4
Iceland	22.9	21.8	19.0	19.4	13.7	15.6	20.4	19.8	18.7
India	32.2	33.3	32.6	32.4	33.0	33.4	32.8	34.5	36.0
Indonesia	39.2	35.3	37.2	37.6	36.5	36.6	36.4	35.7	35.6
Iran (Islamic Republic of)	19.6	27.3	24.7	20.4	21.2	20.6	17.3	16.5	16.2
Iraq	22.5	25.5	26.0	25.8	19.6	20.0	19.7	20.1	18.7
Ireland	11.2	9.3	15.3	13.8	14.1	12.6	14.9	13.6	14.7

TABLE 10.
SHARE OF WOMEN IN AGRICULTURE, FORESTRY AND FISHING EMPLOYMENT (PERCENT) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2018	2019	2020	2021	2022
Israel	17.9	18.1	22.1	27.5	28.3	26.2	23.2	26.2	26.0
Italy	30.7	30.6	29.4	27.2	26.8	25.9	25.5	25.7	26.0
Jamaica	20.2	20.4	19.3	20.0	24.4	24.1	24.8	27.0	25.9
Japan	44.1	42.1	40.1	37.7	38.2	38.6	38.1	37.6	37.3
Jordan	9.8	4.0	4.9	4.3	3.9	4.8	5.2	3.0	2.9
Kazakhstan	46.3	47.5	48.2	46.9	43.7	43.3	42.9	43.4	42.3
Kenya	59.1	56.6	54.9	53.2	52.7	52.5	51.8	51.9	51.3
Kiribati									
Kuwait	0.5	0.5	1.0	1.6	1.8	1.7	1.8	1.9	1.9
Kyrgyzstan	47.1	44.3	48.5	51.5	50.6	54.4	54.3	56.8	56.5
Lao People's Democratic Republic	49.7	49.3	48.2	48.4	48.3	47.9	47.7	47.9	47.1
Latvia	42.8	32.6	35.1	32.0	28.9	30.0	28.4	28.2	31.3
Lebanon	11.7	11.1	10.9	11.9	12.8	13.1	12.8	13.1	12.4
Lesotho	41.1	37.4	32.4	29.5	27.9	27.5	27.5	27.9	27.0
Liberia	47.1	46.6	47.8	49.9	51.5	51.5	51.7	51.8	51.0
Libya	19.1	21.7	21.4	20.4	20.2	20.1	19.9	20.2	19.5
Lithuania	40.6	40.0	38.8	36.8	32.5	32.3	32.4	33.1	33.9
Luxembourg	23.8	26.4	29.1	32.4	20.7	28.6	30.0	22.7	31.2
Madagascar	49.3	48.5	46.7	47.5	47.8	47.9	48.0	48.3	48.0
Malawi	53.5	53.7	53.0	52.7	52.5	52.3	51.8	52.1	51.7
Malaysia	28.4	24.3	22.3	24.1	23.1	23.0	22.8	23.3	22.6
Maldives	15.8	14.2	8.8	9.0	8.0	8.0	8.1	8.2	7.9
Mali	42.0	41.6	42.6	42.8	40.7	38.8	36.6	36.7	36.3
Malta	9.3	8.7	7.2	9.9	12.7	17.4	11.5	16.3	15.8
Marshall Islands									
Mauritania	21.1	22.0	22.8	23.7	26.5	28.8	28.5	28.8	28.0
Mauritius	24.6	29.0	30.7	28.4	24.9	25.8	23.3	23.0	21.8
Mexico	12.9	12.6	11.5	11.5	11.8	12.6	13.0	14.3	15.1
Micronesia (Federated States of)									
Mongolia	45.1	43.7	44.6	43.7	41.1	43.0	42.5	41.1	41.2
Montenegro	34.6	42.4	34.6	48.9	40.6	41.8	36.9	38.3	37.3
Morocco	32.2	34.3	39.1	39.1	37.1	36.6	35.8	35.5	34.1
Mozambique	60.1	60.2	59.6	58.5	58.3	58.4	58.3	58.5	58.2
Myanmar	42.2	40.1	38.7	38.4	34.9	33.9	31.8	31.6	31.1
Namibia	41.9	38.7	44.7	46.1	46.8	46.7	46.5	47.0	45.6
Nauru									
Nepal	30.2	31.9	36.5	42.8	45.5	46.0	45.7	45.8	45.2
Netherlands (Kingdom of the)	31.4	28.3	27.6	30.1	28.7	31.1	29.0	30.3	31.4
New Zealand	30.5	32.3	30.1	30.7	30.7	30.2	32.0	33.7	35.0
Nicaragua	8.0	8.7	12.3	11.5	11.4	11.0	10.8	11.1	10.7
Niger	41.6	41.0	40.5	40.8	40.6	40.6	40.4	40.5	40.3
Nigeria	41.5	41.0	37.8	34.4	34.2	34.2	33.8	33.4	32.6
North Macedonia	39.2	40.6	39.5	39.0	34.3	36.6	36.4	33.6	33.8
Norway	25.2	22.8	19.2	21.7	24.4	24.2	22.5	20.2	19.6

TABLE 10.
SHARE OF WOMEN IN AGRICULTURE, FORESTRY AND FISHING EMPLOYMENT (PERCENT) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2018	2019	2020	2021	2022
Oman	13.5	5.7	1.4	0.6	0.6	0.6	0.7	1.0	1.0
Pakistan	23.0	27.6	35.8	38.5	37.2	40.2	40.4	41.1	41.4
Palau									
Panama	3.7	10.1	15.9	21.0	22.3	23.5	21.2	22.5	20.5
Papua New Guinea	37.7	37.3	37.0	36.0	35.4	35.2	35.4	36.1	35.3
Paraguay	23.5	27.2	27.0	30.5	29.9	28.4	29.4	30.4	27.2
Peru	41.2	43.7	42.9	42.4	41.7	42.8	43.0	46.1	45.9
Philippines	24.8	24.6	25.3	25.5	22.4	23.0	23.2	24.3	23.6
Poland	44.1	42.4	43.5	40.4	39.4	39.5	38.5	37.8	38.3
Portugal	50.7	50.5	46.4	34.8	31.8	32.4	32.0	31.9	31.7
Qatar	0.1	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.2
Republic of Korea	47.3	45.3	42.5	42.6	40.0	40.0	39.0	38.2	38.6
Republic of Moldova	49.9	55.4	53.6	52.4	53.3	53.3	52.9	53.2	53.5
Romania	50.2	46.7	46.1	43.7	43.5	42.9	42.0	40.5	40.2
Russian Federation	39.3	38.6	35.3	37.0	32.9	33.3	33.6	32.5	32.0
Rwanda	48.6	50.3	51.9	54.9	57.2	55.6	56.1	54.1	54.2
Saint Kitts and Nevis									
Saint Lucia	25.9	25.4	25.6	21.0	20.8	14.3	14.8	23.0	13.8
Saint Vincent and the Grenadines	19.6	19.7	18.8	17.6	17.0	16.9	16.9	17.2	16.5
Samoa	21.1	15.7	25.9	22.3	15.5	15.4	15.2	15.4	14.9
San Marino									
Sao Tome and Principe	20.9	16.9	17.7	19.2	20.6	21.0	20.6	21.0	20.4
Saudi Arabia	0.6	0.7	0.7	0.9	2.7	7.8	5.7	3.8	3.2
Senegal	31.7	33.9	33.6	33.7	29.6	30.1	30.4	31.1	30.2
Serbia	42.3	40.9	40.9	36.7	38.1	38.1	37.3	38.3	38.6
Seychelles									
Sierra Leone	52.6	52.8	50.5	48.4	47.4	47.5	47.5	47.7	47.0
Singapore	19.7	20.2	25.5	33.1	37.6	39.4	41.2	43.6	43.4
Slovakia	27.5	24.5	24.1	18.4	23.3	21.7	20.4	26.1	23.0
Slovenia	46.8	45.5	44.4	45.6	41.2	37.1	42.1	41.8	41.1
Solomon Islands	48.5	48.7	49.3	49.3	49.5	49.5	49.1	49.4	48.6
Somalia	36.9	35.7	34.2	32.5	32.5	32.3	31.7	31.9	31.2
South Africa	51.8	51.5	50.1	46.9	48.1	48.6	48.8	48.0	47.0
South Sudan	64.3	64.5	64.0	63.0	62.0	61.9	61.7	61.9	61.6
Spain	26.1	26.7	25.7	23.1	23.4	23.1	22.3	23.8	22.9
Sri Lanka	37.8	36.0	37.9	37.8	36.6	34.6	34.4	35.1	33.7
Sudan	38.5	37.4	33.3	32.8	33.8	33.2	32.3	32.7	32.4
Suriname	18.0	19.7	22.0	27.9	30.1	31.0	30.4	31.0	30.2
Sweden	24.0	21.5	21.6	23.9	23.0	19.6	20.8	24.0	20.5
Switzerland	37.4	33.5	34.9	38.2	39.2	34.8	36.0	33.8	33.4
Syrian Arab Republic	34.0	23.6	18.9	10.9	10.9	10.7	10.1	10.5	10.2
Tajikistan	47.6	48.6	46.9	51.9	53.3	53.6	53.5	54.6	53.7
Thailand	45.3	45.2	43.2	42.1	41.4	41.1	40.9	41.0	40.8
Timor-Leste	46.4	46.2	45.5	44.9	45.4	46.9	48.4	50.7	50.7

TABLE 10.
SHARE OF WOMEN IN AGRICULTURE, FORESTRY AND FISHING EMPLOYMENT (PERCENT) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2018	2019	2020	2021	2022
Togo	42.4	41.5	39.9	38.8	40.6	40.5	40.4	40.6	39.8
Tonga	5.4	5.8	9.0	12.8	15.6	16.2	16.5	17.6	16.9
Trinidad and Tobago	15.5	16.0	21.2	17.0	19.6	19.2	20.6	22.3	21.4
Tunisia	28.3	28.8	28.2	17.1	17.7	17.1	16.7	17.1	16.3
Türkiye	45.2	44.9	46.4	45.6	44.1	43.6	39.8	41.1	42.0
Turkmenistan	53.3	52.2	52.3	53.3	53.0	52.9	52.7	53.2	52.4
Tuvalu									
Uganda	51.9	51.9	50.6	52.2	52.7	53.0	53.0	53.5	53.1
Ukraine	45.3	47.1	46.5	43.0	41.6	40.8	40.6	40.5	
United Arab Emirates	0.1	0.2	0.4	0.4	0.4	0.4	0.5	0.4	0.4
United Kingdom of Great Britain and Northern Ireland	23.1	24.5	23.3	26.6	27.2	26.5	26.7	27.0	26.5
United Republic of Tanzania	51.5	52.3	52.2	50.8	50.0	49.7	49.4	49.5	49.0
United States of America	25.4	25.7	25.5	25.1	26.3	26.5	27.5	28.0	28.7
Uruguay	21.1	20.9	19.5	22.8	20.4	20.5	21.6	21.2	19.3
Uzbekistan	35.0	35.0	33.5	33.3	32.5	32.1	31.5	32.0	31.4
Vanuatu	45.6	46.0	45.2	42.5	40.0	39.0	45.5	45.4	44.2
Venezuela (Bolivarian Republic of)	5.9	8.1	8.0	7.9	12.2	13.2	12.9	12.8	11.1
Viet Nam	50.4	50.8	50.9	50.1	49.4	49.7	49.4	47.8	50.2
Yemen	30.9	22.4	13.6	11.5	10.7	10.7	10.5	10.4	10.2
Zambia	52.0	50.2	49.6	50.4	51.2	49.2	49.6	49.7	47.9
Zimbabwe	57.9	55.3	55.2	53.8	54.2	54.4	55.0	56.2	55.4

Source: Based on FAO. 2024. FAOSTAT: Employment Indicators: Agriculture and agrifood systems. [Accessed on 15 November 2024].
<https://www.fao.org/faostat/en/#data/OEA>. Licence: CC-BY-4.0.

TABLE 11.
GROSS FIXED CAPITAL FORMATION (AGRICULTURE, FORESTRY AND FISHING) AS A SHARE OF VALUE ADDED (USD 2015 PRICES) (PERCENT)

COUNTRY	2000	2005	2010	2015	2018	2019	2020	2021	2022
World	14.7	15.0	15.9	16.1	15.7	15.7	16.0	15.8	16.0
Africa	11.3	10.5	11.0	11.7	10.6	10.0	9.5	9.2	9.4
Americas	16.6	17.5	18.5	19.0	17.4	18.1	17.7	19.0	19.3
Asia	11.2	11.7	13.3	14.0	13.7	13.8	14.5	13.8	14.0
Europe	28.1	29.2	29.6	28.1	30.3	29.7	29.8	32.0	33.3
Oceania	27.9	31.1	27.8	26.0	26.4	28.5	25.9	24.1	21.0
Afghanistan	12.1	9.4	9.8	5.7	6.2	6.1	7.6	10.6	10.6
Albania	13.3	13.6	13.7	13.9	13.9	13.9	14.1	14.7	14.6
Algeria	13.3	10.6	10.0	12.0	13.1	13.0	13.4	13.4	13.6
Andorra	11.0	13.6	10.8	9.9	10.1	10.4	10.5	10.6	10.8
Angola	13.1	7.3	8.5	9.6	7.9	8.0	7.6	7.3	9.1
Antigua and Barbuda	6.2	5.2	6.9	6.4	9.3	8.9	7.3	9.4	9.6
Argentina	10.6	15.3	19.5	15.4	19.9	16.2	17.3	18.0	19.6
Armenia	15.4	9.8	10.1	5.9	9.4	8.6	10.7	10.6	11.0
Australia	33.6	37.3	30.4	29.0	29.5	33.4	30.0	27.2	22.5
Austria	68.1	63.5	66.3	52.6	50.5	50.6	54.4	64.0	62.1
Azerbaijan	1.9	1.5	12.9	10.1	13.7	12.1	8.0	8.2	8.5
Bahamas	10.6	11.4	10.5	15.7	16.0	16.2	10.6	13.4	9.6
Bahrain	11.7	6.9	11.9	8.0	8.4	10.0	8.6	10.6	10.4
Bangladesh	5.7	6.4	7.3	9.3	10.2	10.5	11.0	11.6	12.0
Barbados	4.8	5.8	5.4	6.5	4.2	3.7	3.2	2.6	2.3
Belarus	13.3	37.4	95.2	45.7	42.1	46.9	47.8	49.0	50.9
Belgium	22.2	24.3	36.8	40.6	52.4	59.3	53.9	56.4	67.4
Belize	8.5	5.3	4.4	5.5	3.7	3.9	4.3	3.7	3.9
Benin	4.2	5.3	5.3	7.2	7.3	7.7	7.8	8.4	8.5
Bhutan	5.9	6.8	10.9	12.3	14.7	14.4	14.8	12.4	12.9
Bolivia (Plurinational State of)	10.4	9.2	10.5	12.7	15.7	16.2	14.9	14.5	14.5
Bosnia and Herzegovina	11.3	13.0	13.4	14.5	14.8	15.2	14.8	15.0	16.4
Botswana	3.9	4.1	4.8	8.1	8.9	8.7	9.4	7.2	7.7
Brazil	8.4	7.0	6.9	5.7	5.8	5.8	5.9	7.0	7.4
Brunei Darussalam	13.2	11.5	12.2	17.1	19.4	19.1	17.6	15.1	16.2
Bulgaria	6.8	10.8	20.3	38.0	30.5	23.4	23.1	23.8	24.9
Burkina Faso	4.1	4.4	4.8	6.6	6.9	7.7	7.4	7.9	7.8
Burundi	1.1	1.8	2.9	3.3	3.4	3.4	3.1	3.2	3.4
Cabo Verde	9.5	11.2	12.2	11.8	12.5	13.1	11.0	10.1	11.9
Cambodia	2.6	3.7	5.6	7.4	8.3	9.2	9.3	9.6	10.2
Cameroon	7.8	7.5	8.5	9.7	9.5	9.7	9.8	10.0	10.0
Canada	22.4	16.6	21.3	18.9	23.7	21.7	19.2	20.0	18.2
Central African Republic	6.1	5.5	4.0	3.2	3.4	5.3	5.1	5.0	4.9
Chad	1.5	3.5	4.4	5.8	3.9	3.0	3.0	3.8	3.9
Chile	16.3	14.0	17.9	14.7	16.1	17.3	16.0	15.4	16.1
China, mainland	9.6	11.0	13.2	14.5	13.3	13.7	14.8	13.6	13.9
Colombia	5.5	6.7	7.6	5.6	8.3	8.6	8.5	8.6	9.2
Comoros	9.3	5.8	5.0	7.1	6.5	6.6	6.6	6.9	7.0

TABLE 11.
GROSS FIXED CAPITAL FORMATION (AGRICULTURE, FORESTRY AND FISHING) AS A SHARE OF VALUE ADDED (USD 2015 PRICES) (PERCENT) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2018	2019	2020	2021	2022
Congo	9.4	13.2	10.2	12.9	12.3	13.3	15.8	10.4	10.7
Costa Rica	16.2	12.0	10.5	15.3	14.2	12.8	14.6	13.2	13.7
Côte d'Ivoire	3.9	4.1	7.3	10.0	16.3	16.9	15.9	18.7	18.7
Croatia	8.8	13.7	22.5	26.5	28.8	30.0	26.0	27.1	27.4
Cuba	4.8	5.1	6.5	7.8	6.4	7.5	9.2	10.8	12.1
Cyprus	19.7	12.6	7.2	4.4	8.4	7.8	7.7	5.7	4.4
Czechia	19.0	17.1	28.6	30.1	38.3	37.6	32.9	36.4	38.4
Democratic People's Republic of Korea									
Democratic Republic of the Congo	1.9	3.0	3.0	5.8	7.8	5.7	8.0	8.6	9.0
Denmark	68.8	70.8	47.9	49.8	50.1	46.0	39.3	51.4	51.7
Djibouti	0.8	2.6	2.6	7.9	6.9	6.8	6.8	5.9	6.1
Dominica	4.4	5.0	6.2	5.3	6.0	6.3	6.4	6.2	6.0
Dominican Republic	9.3	4.4	4.7	4.0	3.9	3.9	3.7	3.7	3.6
Ecuador	6.3	4.5	4.6	4.8	4.1	4.1	4.1	3.7	3.7
Egypt	15.9	4.8	2.9	3.5	4.3	4.5	4.8	4.9	4.8
El Salvador	12.9	14.5	13.9	15.0	13.6	14.5	15.0	14.3	14.0
Equatorial Guinea	7.0	16.6	14.6	11.6	11.3	10.9	10.3	10.4	10.8
Eritrea	5.3	6.2	4.7	4.9	5.0	5.2	5.5	7.7	7.6
Estonia	31.2	66.9	39.7	41.3	80.9	41.2	48.4	67.0	95.1
Eswatini	13.2	13.1	16.3	14.3	20.5	20.2	21.5	21.6	21.5
Ethiopia	2.0	2.1	3.4	6.6	7.5	8.6	8.9	8.4	8.5
Fiji	7.4	7.1	6.0	5.5	8.3	8.2	7.1	6.5	6.2
Finland	44.1	46.7	37.8	28.4	30.4	30.0	26.9	28.7	30.0
France	42.0	36.9	34.6	32.9	32.7	33.2	34.0	36.8	36.3
Gabon	8.5	7.1	8.8	10.2	9.2	8.7	16.4	16.0	16.3
Gambia	3.6	4.3	4.9	4.7	6.7	7.7	9.5	8.8	8.9
Georgia	8.9	9.8	6.9	8.0	8.1	7.9	6.9	5.6	5.4
Germany	39.6	46.5	40.4	46.1	50.8	43.6	39.8	39.8	42.5
Ghana	12.9	11.5	10.9	10.0	12.8	12.2	12.7	13.6	14.4
Greece	22.0	29.1	30.0	21.3	27.7	27.9	30.1	38.7	40.2
Grenada	12.7	32.2	10.1	0.6	8.9	8.8	10.6	11.8	13.6
Guatemala	16.7	14.3	12.7	11.9	11.3	11.9	12.1	12.0	12.1
Guinea	10.2	8.0	11.9	11.8	15.8	15.7	18.1	17.1	17.4
Guinea-Bissau	2.3	2.2	3.0	3.9	3.2	2.4	2.8	2.8	2.9
Guyana	7.9	8.6	8.3	7.0	6.2	6.0	5.3	7.1	6.8
Haiti	11.9	9.1	7.9	8.3	8.9	9.0	6.6	5.8	6.2
Honduras	15.7	13.5	12.1	16.5	13.0	12.3	12.5	14.2	14.7
Hungary	26.3	16.1	23.1	22.0	23.7	30.3	27.1	28.8	43.0
Iceland	20.6	16.1	12.6	26.4	17.4	21.2	20.3	23.4	24.3
India	6.9	9.1	13.0	12.9	14.2	14.0	14.9	13.7	14.2
Indonesia	14.1	13.0	14.3	15.3	15.4	15.3	15.5	15.7	16.0
Iran (Islamic Republic of)	7.4	6.9	10.2	9.9	9.3	9.6	7.5	7.5	7.7
Iraq	1.9	2.5	3.4	2.6	3.4	4.5	1.3	2.7	2.8
Ireland	40.4	40.7	31.0	45.0	44.1	40.5	37.5	39.7	39.3

TABLE 11.
GROSS FIXED CAPITAL FORMATION (AGRICULTURE, FORESTRY AND FISHING) AS A SHARE OF VALUE ADDED (USD 2015 PRICES) (PERCENT) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2018	2019	2020	2021	2022
Israel	27.3	20.5	20.5	19.7	17.2	20.3	22.6	20.6	20.8
Italy	30.9	33.6	26.4	21.1	29.2	30.1	28.2	33.5	34.3
Jamaica	4.4	5.4	3.8	4.1	3.8	4.1	4.7	3.9	3.6
Japan	34.4	35.1	23.9	30.2	32.6	27.9	28.9	30.5	27.6
Jordan	17.8	5.1	5.1	5.7	9.7	13.1	11.4	10.4	10.6
Kazakhstan	5.4	6.0	7.0	8.9	8.2	9.2	9.9	10.4	10.2
Kenya	3.2	1.7	3.2	4.5	5.7	6.1	5.5	6.8	6.9
Kiribati	4.2	5.9	4.5	8.9	5.6	6.4	6.9	7.1	6.9
Kuwait	20.7	14.4	8.1	4.5	19.4	14.0	14.4	20.7	20.6
Kyrgyzstan	4.6	8.1	4.6	0.5	6.6	8.1	7.1	10.0	9.8
Lao People's Democratic Republic	7.6	5.8	7.5	9.1	9.7	13.0	13.3	14.1	14.7
Latvia	10.9	62.2	39.0	39.1	78.1	44.1	46.2	53.9	54.5
Lebanon	5.3	6.1	11.2	11.0	9.3	7.2	5.2	1.2	1.2
Lesotho	4.1	5.4	7.2	9.2	9.9	10.3	10.0	10.6	15.2
Liberia	1.8	3.1	2.2	4.6	5.9	5.1	5.8	5.0	5.0
Libya	33.2	8.3	10.8	6.9	16.7	12.0	15.8	14.7	12.0
Lithuania	22.2	37.0	43.6	50.0	64.0	45.0	39.4	49.1	51.1
Luxembourg	60.0	149.8	115.3	85.2	83.5	82.9	90.6	164.3	84.1
Madagascar	3.8	3.5	4.0	4.9	5.0	5.1	5.2	5.5	5.7
Malawi	2.7	3.8	3.8	5.0	5.2	5.7	10.2	10.0	10.9
Malaysia	5.7	5.6	8.2	10.6	10.7	10.6	9.9	10.5	10.9
Maldives	1.0	1.9	3.0	6.6	7.7	7.6	7.1	7.0	7.4
Mali	3.7	4.6	5.2	5.8	5.7	6.0	6.3	6.3	6.5
Malta	11.8	15.3	33.5	21.4	22.2	29.1	16.8	13.3	12.8
Marshall Islands	6.9	7.5	16.6	8.5	11.6	8.6	8.1	4.4	4.4
Mauritania	5.0	6.3	6.8	8.8	11.1	10.4	10.0	10.3	10.5
Mauritius	13.0	34.8	16.3	15.0	12.6	13.2	9.7	13.0	12.5
Mexico	3.2	2.7	2.5	3.3	3.4	3.5	3.5	4.0	4.0
Micronesia (Federated States of)	9.7	9.8	10.6	9.2	8.9	8.8	9.2	9.2	9.9
Mongolia	10.8	12.2	13.8	13.5	8.3	10.0	7.1	8.6	7.9
Montenegro	7.4	6.9	10.3	10.6	12.9	12.9	13.0	11.7	12.6
Morocco	19.0	17.8	19.8	20.1	31.1	36.4	40.9	47.3	57.9
Mozambique	2.5	3.9	5.7	5.7	5.4	4.1	4.5	5.1	5.2
Myanmar	3.4	4.9	6.5	8.1	8.5	8.5	8.2	7.7	8.7
Namibia	14.5	9.8	29.1	36.8	32.5	31.3	17.2	23.3	23.1
Nauru	4.0	3.7	6.8	6.4	6.4	6.5	6.7	6.5	6.8
Nepal	5.0	5.0	6.2	6.6	6.6	6.8	6.9	7.8	8.1
Netherlands (Kingdom of the)	42.6	37.9	41.4	40.1	40.6	41.0	41.0	43.1	44.6
New Zealand	19.6	22.1	28.9	26.8	28.9	28.2	23.1	21.2	21.7
Nicaragua	8.6	8.0	8.2	11.9	9.8	9.2	9.5	9.6	9.8
Niger	3.8	5.2	4.0	2.4	1.9	2.0	2.3	2.6	2.6
Nigeria	20.2	15.1	19.3	18.5	13.0	11.0	9.2	7.3	7.5
North Macedonia	4.7	3.4	3.9	7.1	9.1	7.3	7.1	5.1	5.2
Norway	44.0	32.7	28.1	26.6	29.3	35.5	32.6	35.2	34.9

TABLE 11.
GROSS FIXED CAPITAL FORMATION (AGRICULTURE, FORESTRY AND FISHING) AS A SHARE OF VALUE ADDED (USD 2015 PRICES) (PERCENT) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2018	2019	2020	2021	2022
Oman	8.1	4.9	3.2	2.0	1.3	1.8	1.9	1.6	1.9
Pakistan	14.4	14.3	12.6	12.4	13.0	12.4	11.9	12.6	12.2
Palau	10.3	7.0	3.2	5.0	4.8	5.0	5.6	5.6	5.9
Panama	8.6	7.3	9.3	13.0	11.5	10.9	7.9	8.8	8.5
Papua New Guinea	5.2	5.5	8.8	7.2	7.3	7.1	8.1	8.8	8.9
Paraguay	11.2	11.6	11.7	9.0	9.3	9.4	9.5	10.0	11.4
Peru	6.5	6.3	8.8	9.7	11.1	11.4	10.9	10.9	11.2
Philippines	8.2	8.2	11.2	12.5	15.3	14.8	14.0	15.2	15.8
Poland	32.4	25.5	28.3	48.2	46.0	48.2	42.6	42.1	45.4
Portugal	29.6	29.4	28.2	29.5	30.1	29.4	32.0	30.5	32.3
Qatar									
Republic of Korea	31.6	20.7	16.3	15.3	16.2	13.5	16.3	16.6	16.0
Republic of Moldova									
Romania	11.0	10.2	30.3	26.2	14.3	21.2	25.9	29.1	34.6
Russian Federation	7.7	13.0	15.8	16.4	19.1	15.7	19.0	20.6	20.6
Rwanda	3.1	3.8	4.6	6.0	6.2	6.7	7.3	7.4	7.8
Saint Kitts and Nevis	20.8	12.0	12.6	9.9	11.7	12.4	12.3	13.2	13.3
Saint Lucia	4.5	7.5	9.5	5.8	4.9	5.4	5.1	4.6	4.3
Saint Vincent and the Grenadines	3.8	4.6	5.9	4.6	5.2	5.2	4.9	6.5	7.1
Samoa									
San Marino									
Sao Tome and Principe	2.9	5.6	2.8	4.6	6.5	7.4	10.6	8.1	9.1
Saudi Arabia	9.0	9.9	10.5	12.2	10.9	10.8	10.6	10.2	10.1
Senegal	4.7	6.0	6.6	9.2	10.4	10.5	10.6	9.9	10.6
Serbia	21.1	10.4	13.9	15.0	14.8	15.6	16.6	19.8	22.4
Seychelles	6.0	5.3	5.8	5.9	5.5	4.8	4.9	3.7	3.4
Sierra Leone	2.7	2.9	3.3	4.7	3.8	4.0	3.7	3.8	3.8
Singapore	42.6	51.0	50.8	49.2	51.8	51.4	51.5	50.8	55.2
Slovakia	78.7	106.2	43.5	33.8	30.8	45.0	35.5	34.1	34.6
Slovenia	29.7	34.4	29.1	34.9	44.1	46.4	36.7	41.5	41.8
Solomon Islands	3.5	8.1	12.4	9.1	11.3	11.3	10.8	11.0	11.2
Somalia	4.0	3.9	4.6	5.9	5.9	6.2	6.5	6.1	6.2
South Africa	20.4	25.7	20.5	26.8	25.7	25.5	24.6	21.6	22.4
South Sudan									
Spain	14.7	18.2	16.7	15.5	20.4	19.4	18.1	19.6	20.6
Sri Lanka	9.1	10.3	11.9	13.6	15.2	14.3	15.9	16.5	18.3
Sudan									
Suriname	20.4	13.7	10.0	11.0	11.6	11.0	9.8	12.0	12.0
Sweden	42.7	47.9	51.7	37.6	43.3	40.5	45.1	42.2	44.5
Switzerland	39.9	37.9	35.5	41.6	37.5	39.7	40.3	45.8	42.1
Syrian Arab Republic	9.4	12.5	11.9	12.4	9.9	11.0	10.6	10.4	10.2
Tajikistan	11.7	13.6	6.8	9.1	8.9	10.2	10.3	10.7	10.5
Thailand	11.2	14.3	18.0	17.3	16.7	17.2	17.8	17.6	17.6
Timor-Leste	8.9	6.6	12.1	12.1	11.6	10.1	8.7	10.7	10.5

TABLE 11.
GROSS FIXED CAPITAL FORMATION (AGRICULTURE, FORESTRY AND FISHING) AS A SHARE OF VALUE ADDED (USD 2015 PRICES) (PERCENT) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2018	2019	2020	2021	2022
Togo	2.4	3.1	4.2	5.9	5.1	5.1	5.0	5.2	5.2
Tonga	11.1	11.7	12.1	12.1	14.0	17.3	14.4	12.0	12.0
Trinidad and Tobago	0.2	0.4	1.2	2.3	2.3	3.7	3.9	4.3	5.3
Tunisia	14.2	20.2	19.2	14.5	13.3	12.7	10.2	13.8	13.9
Türkiye	14.9	18.0	19.1	18.3	16.4	16.9	17.1	15.7	16.4
Turkmenistan	9.0	6.9	14.0	13.9	13.4	13.6	13.7	13.6	14.0
Tuvalu	4.3	3.2	7.5	6.9	7.3	5.8	9.6	7.9	8.8
Uganda	3.6	4.4	9.7	9.1	10.0	10.5	10.4	10.7	10.9
Ukraine	16.3	15.5	13.9	11.7	11.3	11.3	13.7	15.6	22.5
United Arab Emirates	11.0	9.3	9.0	13.2	13.1	14.1	19.5	17.2	17.4
United Kingdom of Great Britain and Northern Ireland	36.9	40.1	41.8	36.2	45.2	40.5	41.5	42.5	41.4
United Republic of Tanzania	3.3	3.3	4.7	7.0	8.3	8.2	8.4	8.5	8.7
United States of America	25.9	28.5	30.6	33.3	27.9	31.2	30.5	34.6	34.8
Uruguay	6.2	7.4	19.9	16.9	13.0	16.6	16.8	15.9	17.4
Uzbekistan	5.7	4.3	5.4	7.0	6.8	8.9	9.4	9.6	9.9
Vanuatu	7.2	6.4	9.5	12.1	14.0	13.6	15.6	15.7	16.2
Venezuela (Bolivarian Republic of)									
Viet Nam	4.2	5.2	8.1	10.6	12.0	12.3	13.7	16.6	16.3
Yemen	37.1	41.0	33.6	7.9	33.9	36.3	28.3	22.5	24.3
Zambia	9.4	14.3	17.0	15.9	11.4	8.8	7.1	7.9	8.2
Zimbabwe	7.3	177.4	7.0	11.5	5.5	10.4	7.8	5.8	5.5

Source: FAO. 2023. FAOSTAT: Capital Stock. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/CS>. Licence: CC-BY-4.0.

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TABLE 12.
SHARE OF CENTRAL GOVERNMENT EXPENDITURE ON AGRICULTURE, FORESTRY AND FISHING IN TOTAL OUTLAYS (PERCENT)

COUNTRY	2001	2005	2010	2015	2018	2019	2020	2021	2022
World									
Africa									
Americas									
Asia									
Europe									
Oceania									
Afghanistan		4.7	4.7	4.1	2.7	2.1	2.6	0.8	
Albania			2.1	2.5	2.6	2.1	2.5	3.1	3.0
Algeria			2.0	3.5	2.9	2.7	2.9	2.8	4.0
Andorra									
Angola	1.2	1.7	1.1	0.8	0.4	0.9	0.5	0.7	0.8
Antigua and Barbuda				0.7	1.5	1.2	2.7	1.6	1.4
Argentina	0.9	0.6	2.5	0.7	0.4	0.3	0.4	0.4	0.7
Armenia			4.2	2.4	1.8	2.0	1.7	2.3	2.7
Australia	1.0	0.8	0.8	0.6	0.5	0.6	0.4	0.4	0.5
Austria									
Azerbaijan			2.9	2.9	3.8	3.1	3.5	1.3	
Bahamas	1.2	1.2	0.9	0.9	1.2	1.1	1.0	0.9	0.9
Bahrain	0.5	0.4		0.3	0.2	0.3	0.2	0.2	0.3
Bangladesh	4.6	5.4		7.8	7.0	6.4	6.1	6.7	5.7
Barbados		2.2	1.7	8.9	5.3	3.3	2.6	2.1	1.7
Belarus	11.3	14.3	11.0	7.4	5.2	6.1	6.3	5.6	
Belgium	0.2	0.1	0.0	0.0	0.0				
Belize				1.2	1.4	1.2	1.3	1.0	0.9
Benin					4.1	3.2	5.0	3.3	3.9
Bhutan	7.0	11.0	11.0	11.4	10.9	10.3	11.8	12.2	9.1
Bolivia (Plurinational State of)	9.2	9.1	5.5		3.3				
Bosnia and Herzegovina				1.3	1.3	1.3	1.6	1.5	1.6
Botswana	4.1	4.5	2.9	5.1	4.4	3.7	3.7	2.8	
Brazil	2.2	2.3	1.1	0.9	0.8	0.8	0.6	0.7	0.8
Brunei Darussalam			0.7	0.7	0.8	0.8	0.9	0.8	
Bulgaria	2.5	4.0	1.5	5.3	3.3	3.2	2.8	2.4	3.2
Burkina Faso			2.6		4.3	3.3	2.7	4.0	1.8
Burundi			1.1	2.4	3.2	3.1			
Cabo Verde	9.1	4.9	4.7	4.4	2.9	2.3	2.4	1.9	3.0
Cambodia	1.8	3.9	1.2	1.4	2.2	2.0	1.8	1.7	1.4
Cameroon					3.1	2.8	4.7	4.4	
Canada			1.5	1.0	1.1	1.2	0.8	1.0	
Central African Republic			4.0	13.2	6.7	8.2	5.9	6.7	
Chad			5.9	5.6	4.1	4.1	4.7		
Chile	1.9	2.0	1.7	1.6	1.5	1.5	1.3	1.1	1.5
China		0.8	1.9	1.2	0.8	0.6	0.5	0.5	
Colombia			1.3	1.9					
Comoros						3.4			

TABLE 12.
SHARE OF CENTRAL GOVERNMENT EXPENDITURE ON AGRICULTURE, FORESTRY AND FISHING IN TOTAL OUTLAYS (PERCENT) (CONTINUED)

COUNTRY	2001	2005	2010	2015	2018	2019	2020	2021	2022
Congo		1.4	2.4	1.0	1.0				
Costa Rica	2.5	3.2	10.3	1.9	1.7	1.5	1.4	1.1	1.0
Côte d'Ivoire			2.1	2.9	1.7				
Croatia	3.3	3.7	4.1	2.2	2.2	2.2	1.8	1.6	
Cuba				4.7	5.6	5.0			
Cyprus	6.1	3.8	2.5	2.2	1.5	1.9	1.8	2.1	
Czechia	3.0	3.6	4.2	3.3	1.5	1.7	3.4	3.3	3.1
Democratic People's Republic of Korea									
Democratic Republic of the Congo			1.8	2.8	0.6	1.3	1.4	1.8	2.2
Denmark	0.3	0.4	0.3	0.4	0.4	0.5	0.5	0.8	0.8
Djibouti	1.2								
Dominica					1.4	1.7			
Dominican Republic	6.9	4.5	2.7	2.5	2.2	2.6	2.1	2.9	4.3
Ecuador	3.9	2.1	2.3	2.0	0.8	0.5	0.8	0.7	
Egypt		2.5	1.9	1.7	1.4	1.2	1.3	1.4	1.7
El Salvador	2.4	1.5	1.8	1.8	1.7	0.9	1.3	1.4	1.7
Equatorial Guinea					1.2	1.2	1.4	1.3	1.0
Eritrea									
Estonia	2.4	1.9	1.8	1.5	1.4	1.3	1.1	1.6	
Eswatini			5.4	2.1	2.2	1.5	1.5		
Ethiopia	4.0	15.9		7.2	3.6	3.5	3.3		
Fiji		3.1	2.8	5.0	4.7	5.1	4.4	3.8	3.9
Finland	5.8	5.5	4.6	3.5	3.4	3.4	3.0	2.8	
France	0.6	0.7	0.6	0.7	0.7	0.6	0.5	0.6	
Gabon				0.3	1.3	0.9	0.9	1.0	
Gambia					1.2	1.3	2.7	1.8	1.9
Georgia	1.6	1.9	0.4	2.7	1.6	2.2	2.6	3.3	3.6
Germany									
Ghana	0.9	0.8	0.9	0.8	1.2	0.8	1.1	1.2	0.4
Greece	0.4	0.5	0.3	0.6	0.7	0.7	1.1	0.8	
Grenada				3.5	1.6	1.3	1.5	1.6	1.2
Guatemala	3.0	3.0	2.1	1.3	1.7	1.4	0.8	0.9	1.1
Guinea				4.9	3.3	3.8	3.6		
Guinea-Bissau			14.5	4.6	7.8	5.4	5.8	2.7	1.5
Guyana		4.6	6.5	12.7	9.7	7.7	7.0		
Haiti				1.4	2.1	3.0	3.6	1.5	1.2
Honduras	5.2	4.2	2.3	1.7	1.8	2.7	1.8	2.3	2.5
Hungary	5.3	3.8	1.4	1.5	1.2	1.4	1.5	1.1	
Iceland	4.7	4.2	2.9	2.6	2.3	2.2	1.9	1.9	2.0
India	5.0	5.0	7.5		4.8				
Indonesia	1.4	1.4	0.9	3.1	2.8	2.5	2.1	1.8	1.7
Iran (Islamic Republic of)		4.3			9.8	0.8	0.8	0.9	
Iraq									
Ireland	3.3	1.9	0.8	1.1	1.3	1.2	1.1		

TABLE 12.
SHARE OF CENTRAL GOVERNMENT EXPENDITURE ON AGRICULTURE, FORESTRY AND FISHING IN TOTAL OUTLAYS (PERCENT) (CONTINUED)

COUNTRY	2001	2005	2010	2015	2018	2019	2020	2021	2022
Israel	0.8	0.5	0.4	0.5	0.4	0.4	0.4	0.4	0.4
Italy	1.1	0.4	0.4	0.3	0.3	0.4	0.5	0.5	
Jamaica	1.9	1.6	2.0	2.6	1.9	1.7	1.7	1.3	2.1
Japan									
Jordan	3.5	2.0	0.8	0.8	0.8	0.7	0.6	0.6	
Kazakhstan		3.7	4.7	2.4	1.4	1.8	2.0	1.9	
Kenya	4.8	3.9	3.9	1.8	1.7	1.8	2.1	2.5	2.2
Kiribati	2.8	2.2	1.9	1.5	1.5	1.4	1.1	1.2	
Kuwait	0.5	0.6	0.5	0.4					
Kyrgyzstan	5.5	5.1	1.7	1.4	1.3	1.2	1.1	1.0	1.2
Lao People's Democratic Republic						0.8			
Latvia			5.8	1.7	2.3	2.4	2.6	1.8	
Lebanon	0.3	0.3		0.4	0.3	0.2	0.2	0.2	
Lesotho	4.4	3.3			2.5	2.3	2.6	2.3	
Liberia		1.3	2.3	0.9	0.9	1.0	0.8	0.8	0.7
Libya									
Lithuania		4.2	3.7	3.4	1.5	1.6	1.6	0.9	
Luxembourg	1.4	1.3	1.2	1.0	0.9	0.9	0.8	0.9	0.9
Madagascar	9.8	9.5	3.9	3.3	4.5	4.4	3.3	4.2	
Malawi	6.9	14.7	17.8	24.7	9.7	10.1			
Malaysia	2.9	3.4	3.2	3.1	2.4	1.8	1.5	1.4	1.3
Maldives	1.3	1.1	1.3	0.3	0.3	0.3	0.3	0.3	0.4
Mali	14.1	17.7			7.1	9.2	8.5	15.0	12.0
Malta	1.5	2.5	1.7	1.3	1.3	1.0	0.9	0.9	
Marshall Islands			2.3	2.5	4.4	3.5			
Mauritania				4.2		3.0	3.9	7.0	4.3
Mauritius	4.6	3.7	4.0	2.3	2.1	2.3	2.3	1.9	1.5
Mexico	3.4	3.5	3.4	2.6	1.8	1.3	1.0	1.0	1.0
Micronesia (Federated States of)			3.0	1.8	4.5	6.0	4.1		
Mongolia	3.8		5.6	1.6	1.6	2.2	2.8	1.5	1.4
Montenegro			0.7	0.6	0.9	1.2	1.2	1.4	1.5
Morocco				3.8	3.5	3.5	3.3	4.4	4.4
Mozambique	5.3	4.6	4.6	1.9	2.0	1.3	1.2	1.0	
Myanmar									
Namibia	5.3	5.1	3.3	2.0	2.0	2.1	1.8	1.6	2.2
Nauru				1.3	1.4	1.2	1.0	1.1	1.3
Nepal		8.2	8.6	8.9	6.5	4.5	4.4	4.7	5.8
Netherlands (Kingdom of the)	1.3	0.8	0.7	0.5	0.4	0.4	0.5	0.6	
New Zealand		1.4		0.5	1.0	1.2	0.3	0.3	0.2
Nicaragua	3.1	2.4	1.6	0.8	1.1	1.1	1.3	1.2	1.1
Niger				6.0	4.5	4.7	5.6	4.1	4.5
Nigeria		4.0	2.5	2.3	2.3	2.5	1.9	2.1	
North Macedonia					4.6	4.3	4.1	4.2	3.9
Norway	3.0	2.0	1.8	1.5	1.3	1.5	0.9	1.4	1.3

TABLE 12.
SHARE OF CENTRAL GOVERNMENT EXPENDITURE ON AGRICULTURE, FORESTRY AND FISHING IN TOTAL OUTLAYS (PERCENT) (CONTINUED)

COUNTRY	2001	2005	2010	2015	2018	2019	2020	2021	2022
Oman	0.8	0.7	0.8	0.4	0.5	0.5	0.7	0.7	0.4
Pakistan	0.6	0.3	3.1	1.3	0.8	1.0	1.0	0.9	
Palau			0.6	0.5	0.6	0.6			
Panama	2.7	1.7	1.7	1.9	2.0	2.2	2.6	2.5	
Papua New Guinea	2.3	0.9	2.6	1.3	1.1	1.3	3.1	0.9	1.5
Paraguay	3.6	2.3	3.1	2.3	1.2	1.2	1.2	1.6	1.3
Peru				1.8	1.3	1.4	1.5	1.1	
Philippines	4.4	4.2	5.9	4.1	2.9	2.4	2.6	2.4	2.3
Poland	2.5	3.4	2.6	1.5	2.2	2.0	1.8	1.6	
Portugal	2.5	1.5	0.9	0.8	0.7	0.7	0.6	0.6	
Qatar		1.9							
Republic of Korea	5.7	4.5	4.5	4.1		3.4	3.2	3.2	
Republic of Moldova	1.4	6.3	4.5	7.3	3.7	3.4	4.0	3.7	3.9
Romania	2.7	4.6	3.8	2.9	2.8	2.3	2.9	2.3	
Russian Federation	1.8	1.0	0.4	1.8	1.8	1.8	1.3	1.6	
Rwanda			3.9		3.8	5.1	3.7	3.6	3.3
Saint Kitts and Nevis							2.9	1.5	1.8
Saint Lucia					2.1	2.2	2.6	2.0	2.1
Saint Vincent and the Grenadines				2.6	2.2	2.0	2.5		
Samoa			2.1	3.6	3.6	3.9	7.4	4.7	2.7
San Marino						1.2	1.0	0.8	
Sao Tome and Principe			3.3	4.3	7.7	4.2	3.4	3.7	3.3
Saudi Arabia					0.9	0.7	0.8		
Senegal					3.5	3.9	3.7	4.3	5.2
Serbia		3.2	3.0		3.2	3.5	3.3	3.4	4.1
Seychelles			1.5	2.3	2.1	0.5	0.7	4.0	3.5
Sierra Leone				2.5	1.0	1.2			0.5
Singapore	0.2	0.2	0.2	0.3	0.3	0.2	0.1	0.2	
Slovakia	3.3	6.4	6.6	1.4	1.1	1.1	1.1	0.9	
Slovenia	3.1	2.2	1.5	1.7	1.8	2.0	1.6	1.7	
Solomon Islands				3.7	3.7	3.7	3.0	3.8	5.6
Somalia					1.2	1.3	0.8	0.9	0.7
South Africa	1.9	2.1	2.1	1.5	1.2	1.2	1.3	1.0	
South Sudan									
Spain	0.7	0.7	0.4	0.3	0.3	0.3	0.3	0.3	
Sri Lanka	3.6	4.0	5.3	6.3	4.5	4.6	4.6	4.2	4.8
Sudan									
Suriname				3.0	1.7	3.9	4.6	1.7	0.8
Sweden	0.6	0.7	0.6	0.4	0.5	0.5	0.4	0.4	0.5
Switzerland	7.6	7.0	5.8	5.4	5.2	5.1	4.1	4.1	
Syrian Arab Republic		3.9	3.2	1.9	2.0	0.9	0.9	0.7	
Tajikistan								3.4	
Thailand	7.4	5.2	3.9	7.7	6.5	7.0	6.4	6.1	4.5
Timor-Leste			2.1	2.2					

TABLE 12.
SHARE OF CENTRAL GOVERNMENT EXPENDITURE ON AGRICULTURE, FORESTRY AND FISHING IN TOTAL OUTLAYS (PERCENT) (CONTINUED)

COUNTRY	2001	2005	2010	2015	2018	2019	2020	2021	2022
Togo				7.2	5.7				
Tonga			5.8	3.2	4.8	4.0	3.5		
Trinidad and Tobago	3.1	3.4	1.6	1.1	1.2	1.1	1.1	1.2	1.3
Tunisia	9.9	6.6	5.6	4.7	3.7	3.5	4.1	5.8	
Türkiye			4.1	4.2	3.4	3.5	3.5	2.9	3.0
Turkmenistan				3.3	2.0	1.9	2.3	2.0	
Tuvalu			3.3	2.5					
Uganda	4.0	3.1	4.8	3.9	3.3	3.3	2.6	2.3	
Ukraine	2.5	3.3	2.4	0.9	1.4	1.3	1.1	1.1	0.4
United Arab Emirates				0.0	0.0	0.0	0.0	0.1	0.0
United Kingdom of Great Britain and Northern Ireland	0.9	0.6	0.4	0.3	0.3	0.3	0.5	0.6	
United Republic of Tanzania		4.6	3.5	1.7	1.2	1.5	0.7	1.4	3.7
United States of America	2.5	1.9	1.0	0.9	0.9	1.2	1.4	0.8	0.7
Uruguay	1.7	2.0	1.0	0.9	0.8	0.8	0.9		
Uzbekistan				12.9	7.0	5.7	2.0	2.5	4.4
Vanuatu		2.7	1.9	3.2	2.6	2.0	3.6		
Venezuela (Bolivarian Republic of)	1.6	2.2	2.8						
Viet Nam			2.2						
Yemen		1.0	0.7						
Zambia	1.4	4.5	6.6	10.3	5.3	5.4	3.4		
Zimbabwe				11.2					

Source: FAO. 2024. FAOSTAT: Government Expenditure. [Accessed on 15 November 2024].

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TABLE 13.
PESTICIDE USE (TONNES)

COUNTRY	2000	2005	2010	2015	2018	2019	2020	2021	2022
World	2 175 292	2 534 535	3 033 142	3 317 168	3 399 053	3 481 210	3 447 761	3 566 064	3 690 935
Africa	73 353	98 216	130 881	158 492	191 050	202 799	210 628	209 957	209 418
Americas	890 322	1 095 996	1 299 765	1 456 410	1 540 628	1 665 984	1 728 278	1 710 668	1 887 223
Asia	726 608	840 870	1 101 975	1 131 640	1 091 053	1 075 868	941 238	1 066 929	1 054 018
Europe	446 630	459 330	451 215	511 857	508 706	469 483	500 338	511 119	472 903
Oceania	38 380	40 123	49 305	58 769	67 616	67 075	67 279	67 390	67 373
Afghanistan									
Albania	308	365	591	538	442	746	402	433	296
Algeria	2 537	2 811	1 870	4 517	6 067	6 067	6 067	6 067	6 067
Andorra	19	12	13	16	14	14	16	17	18
Angola	40	40	40	40	40	40	40	40	40
Antigua and Barbuda	260	410	342	176	200	220	250	251	251
Argentina	84 189	138 669	235 739	203 807	172 928	204 559	241 294	241 520	262 507
Armenia	70	221	279	488	614	527	639	914	892
Australia	33 475	34 310	42 169	50 922	59 634	59 634	59 634	59 634	59 634
Austria	3 563	3 404	3 692	3 778	5 280	4 954	5 566	5 791	6 069
Azerbaijan	149	149	334	530	543	543	543	543	543
Bahamas	461	436	87	178	178	178	178	178	178
Bahrain	9	13	10	12	14	34	31	30	14
Bangladesh	3 170	8 091	13 251	13 364	15 265	15 386	15 506	15 506	15 506
Barbados	156	135	114	93	81	77	73	68	68
Belarus	1 817	3 647	3 387	1 464	840	4 171	4 589	4 118	4 231
Belgium	9 560	9 776	4 645	6 479	6 355	5 941	5 667	5 576	5 066
Belize	1 296	960	700	1 067	1 384	1 063	1 335	1 123	1 331
Benin	1 015	583	2 093	1 525	4 342	5 679	5 625	5 049	4 761
Bhutan	3	2	7	11	174	180	160	174	181
Bolivia (Plurinational State of)	3 771	7 146	12 969	15 962	21 749	17 910	19 295	18 307	19 174
Bosnia and Herzegovina	2 193	2 183	2 135	2 287	2 454	2 509	2 723	2 723	2 723
Botswana	374	328	390	615	878	995	1 193	1 386	1 483
Brazil	141 130	233 367	360 735	497 626	549 280	620 538	685 746	719 507	800 652
Brunei Darussalam	198	338	159	172	157	216	286	289	290
Bulgaria	2 876	2 232	1 589	1 542	5 044	6 660	4 226	4 482	4 385
Burkina Faso	750	1 581	1 043	2 046	3 123	2 793	2 849	3 038	3 132
Burundi	110	305	265	73	50	50	50	50	50
Cabo Verde	7	5	5	5	5	5	5	5	5
Cambodia	445	444	1 198	5 091	7 720	11 863	15 399	17 390	18 386
Cameroon	545	2 255	3 470	5 838	7 322	8 195	10 661	9 906	9 906
Canada	39 718	36 382	61 050	75 318	87 632	78 893	92 960	97 692	97 692
Central African Republic	42	31	48	24	55	49	63	204	274
Chad	53	53	53	44	46	48	49	50	51
Chile	4 802	6 429	6 895	9 651	13 039	12 944	14 129	16 997	18 431
China	250 632	284 981	339 850	346 087	294 682	273 570	258 758	244 869	235 760
Colombia	75 843	117 881	48 618	33 689	37 773	69 862	36 711	39 324	78 231

TABLE 13.
PESTICIDE USE (TONNES) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2018	2019	2020	2021	2022
Comoros	12	2	25	15	21	26	33	37	40
Congo	323	428	599	691	471	579	724	831	885
Costa Rica	14 283	12 066	14 241	11 868	10 285	11 867	11 842	9 172	9 128
Côte d'Ivoire	90	70	50	30	29	92	89	23	23
Croatia	2 723	2 184	1 605	2 311	1 698	1 564	1 655	1 470	1 508
Cuba	3 657	3 539	3 716	3 979	2 656	2 666	2 666	2 666	2 666
Cyprus	745	678	632	1 057	1 184	1 231	1 191	1 104	1 010
Czechia	4 533	5 385	4 957	6 311	5 178	5 053	4 360	4 480	5 543
Democratic People's Republic of Korea									
Democratic Republic of the Congo	1 106	1 106	1 106	1 130	1 045	1 014	962	953	948
Denmark	3 174	3 246	3 894	2 584	2 646	2 661	3 167	2 975	3 374
Djibouti	19	19	18	18	18	18	18	18	18
Dominica									
Dominican Republic	5 082	3 516	6 317	5 028	7 069	5 571	4 072	2 574	1 984
Ecuador	17 948	18 391	31 637	44 565	37 408	34 081	17 869	1 656	2 350
Egypt	4 931	5 471	11 590	8 044	11 277	12 909	11 748	10 545	9 469
El Salvador	2 699	1 923	3 599	1 747	2 956	2 526	3 099	3 793	3 793
Equatorial Guinea	17	61	180	109	72	78	80	78	77
Eritrea	25	28	28	28	28	28	28	28	28
Estonia	315	386	514	595	636	745	767	886	777
Eswatini	552	1 092	484	582	1 040	1 148	1 239	1 345	1 398
Ethiopia	602	1 401	4 128	4 128	4 128	4 128	4 128	4 128	4 128
Fiji	290	399	602	687	612	612	612	612	612
Finland	3 608	4 956	3 807	4 010	4 902	4 034	4 917	4 100	3 327
France	97 878	78 265	61 903	66 629	83 983	54 304	64 789	69 698	67 875
Gabon	349	507	818	1 098	1 203	1 144	1 059	1 130	1 166
Gambia	223	866	260	344	542	501	418	261	183
Georgia	3 081	3 081	3 081	1 351	2 237	2 564	2 863	2 485	2 719
Germany	35 273	36 386	40 832	47 851	44 961	45 181	47 974	48 712	48 169
Ghana	82	174	1 389	8 884	9 690	9 690	9 690	9 690	9 690
Greece	10 627	13 959	5 608	4 180	4 860	4 867	4 901	4 712	3 988
Grenada	98	114	103	117	115	116	110	117	120
Guatemala	11 282	13 506	14 898	10 040	11 842	11 002	14 242	13 228	14 175
Guinea	247	359	556	426	109	111	111	111	111
Guinea-Bissau	42	82	82	82	82	82	82	82	82
Guyana									
Haiti	372	434	1 038	387	653	703	774	864	909
Honduras	4 376	3 666	5 737	8 114	8 783	8 214	11 722	10 533	10 533
Hungary	4 151	9 676	10 300	9 489	8 535	7 815	8 679	8 879	8 578
Iceland	4	5	3	5	2	1	1	1	2
India	44 958	35 342	40 094	40 094	40 094	40 094	40 094	40 094	40 094
Indonesia	142 709	178 527	313 639	313 069	261 306	274 421	213 036	283 297	294 670
Iran (Islamic Republic of)	9 395	7 808	4 382	6 687	5 744	4 977	5 856	5 856	5 856

TABLE 13.
PESTICIDE USE (TONNES) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2018	2019	2020	2021	2022
Iraq	548	873	744	197	284	297	311	324	324
Ireland	1 942	2 625	2 529	3 504	2 651	2 972	2 910	3 091	2 716
Israel	3 459	5 879	6 753	6 367	7 322	6 983	6 983	6 983	6 983
Italy	79 447	84 647	71 613	63 085	54 039	48 405	56 373	50 177	44 424
Jamaica	1 379	1 373	1 034	1 051	1 531	1 500	1 853	1 642	1 642
Japan	79 821	63 830	55 576	54 171	52 332	51 970	48 889	48 783	50 320
Jordan	553	1 736	933	666	675	662	462	401	522
Kazakhstan	3 024	3 667	6 284	10 589	13 058	13 102	14 492	18 324	8 811
Kenya	1 979	2 085	2 758	4 764	6 074	6 587	6 228	5 465	5 083
Kiribati	4	7	10	24	21	25	31	33	33
Kuwait	690	1 137	1 223	2 034	1 110	1 341	1 493	1 411	1 370
Kyrgyzstan	681	1 081	350	516	608	677	693	608	578
Lao People's Democratic Republic	1	4	2	50	187	187	187	187	187
Latvia	285	724	1 028	1 510	1 587	1 651	1 900	1 984	1 823
Lebanon	1 816	1 816	1 816	1 816	1 816	1 816	1 816	1 816	1 816
Lesotho	7	15	7	55	67	113	222	240	248
Liberia	68	175	493	649	896	938	1 001	1 019	1 028
Libya	693	3 406	2 312	1 051	1 053	1 410	1 721	1 721	1 721
Lithuania	688	1 049	1 804	2 789	2 082	2 352	2 587	2 613	3 614
Luxembourg	154	154	154	138	160	143	147	130	117
Madagascar	130	115	242	401	706	746	766	701	834
Malawi	210	296	584	2 218	1 799	1 659	1 519	1 420	2 036
Malaysia	30 206	37 579	60 196	63 308	44 114	47 805	36 077	45 671	25 609
Maldives	74	114	75	128	755	395	376	372	370
Mali	52	23	8	4	4	4	4	4	4
Malta	182	118	110	129	90	76	96	109	101
Marshall Islands									
Mauritania	27	54	62	288	381	394	377	421	443
Mauritius	644	845	917	907	771	755	709	705	868
Mexico	26 625	39 172	52 305	48 293	53 144	19 871	19 250	19 767	19 614
Micronesia (Federated States of)	20	17	11	12	12	12	12	12	12
Mongolia	116	116	116	2 115	3 615	4 115	4 615	5 115	5 115
Montenegro			66	76	92	102	119	111	94
Morocco	13 435	13 966	13 697	13 697	13 697	13 697	13 697	13 697	13 697
Mozambique	139	269	399	529	1 155	1 729	2 216	2 933	3 048
Myanmar	558	1 449	3 340	7 691	15 326	17 337	11 749	11 749	11 749
Namibia	1 322	355	657	931	836	910	1 010	1 163	1 240
Nauru	5	1	0	4	4	6	6	7	7
Nepal	112	128	332	574	750	809	682	783	1 175
Netherlands (Kingdom of the)	11 383	10 704	9 586	9 958	9 366	9 200	9 867	9 347	8 732
New Zealand	3 634	4 257	5 285	5 285	5 285	5 285	5 285	5 285	5 285
Nicaragua	3 926	9 392	12 242	7 846	6 994	7 808	15 658	13 710	12 907

TABLE 13.
PESTICIDE USE (TONNES) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2018	2019	2020	2021	2022
Niger	62	25	11	41	18	22	20	35	26
Nigeria	3 880	15 336	26 873	31 255	47 121	53 954	57 269	57 638	57 823
North Macedonia	296	149	98	98	98	98	98	98	98
Norway	348	519	699	631	614	604	688	710	762
Oman	45	151	256	333	204	305	295	284	415
Pakistan	26 702	26 702	26 702	26 702	26 702	26 702	26 702	26 702	26 702
Palau	7	7	5	21	29	25	25	25	25
Panama	1 099	2 677	1 949	2 440	1 638	872	775	980	1 444
Papua New Guinea	235	355	438	930	981	1 028	1 104	1 175	1 211
Paraguay	3 507	15 263	21 113	18 908	21 185	22 707	20 263	25 086	25 086
Peru	2 257	3 578	6 226	8 893	8 618	10 636	13 480	11 583	9 981
Philippines	17 383	18 304	21 311	23 251	21 350	24 879	34 715	37 660	37 660
Poland	8 848	16 039	19 449	23 996	23 157	24 253	24 616	26 949	22 300
Portugal	15 470	16 353	13 774	10 003	8 057	9 866	9 706	9 583	9 040
Qatar	342	833	3 185	893	798	843	946	1 153	1 257
Republic of Korea	25 684	24 506	20 431	19 482	18 716	16 745	17 132	19 014	19 882
Republic of Moldova	2 869	2 395	2 466	2 739	3 349	3 375	3 355	5 167	6 979
Romania	9 427	7 566	7 249	11 484	11 108	9 047	8 700	8 369	7 957
Russian Federation	30 194	37 249	44 305	51 360	74 672	77 307	90 535	97 018	97 018
Rwanda	147	223	954	2 484	2 027	2 027	2 027	2 027	2 027
Saint Kitts and Nevis	200	101	90	115	101	101	101	101	101
Saint Lucia	262	281	215	264	204	221	242	257	264
Saint Vincent and the Grenadines	277	334	175	152	131	121	126	137	143
Samoa	7	35	63	91	197	112	185	272	272
San Marino									
Sao Tome and Principe	5	7	19	16	19	21	25	25	25
Saudi Arabia	3 024	3 876	4 815	7 107	9 648	10 496	7 256	7 256	7 256
Senegal	491	466	696	709	301	438	576	576	576
Serbia			1 941	3 257	2 451	2 594	2 519	2 267	2 141
Seychelles	62	68	630	85	98	104	118	121	123
Sierra Leone	225	88	160	342	343	361	361	361	361
Singapore									
Slovakia	1 457	1 546	1 881	1 568	1 785	1 859	1 810	1 620	1 511
Slovenia	1 468	1 384	1 134	1 047	1 171	973	964	907	826
Solomon Islands	24	32	54	60	55	40	40	40	40
Somalia	21	92	126	356	443	617	722	747	747
South Africa	26 857	29 697	33 599	37 740	39 024	39 144	41 643	42 620	42 244
South Sudan									
Spain	34 597	41 017	39 043	77 217	73 121	75 190	75 775	76 174	56 353
Sri Lanka	1 696	1 742	1 451	2 540	2 261	1 526	2 573	2 778	2 140
Sudan				3 058	5 487	4 083	4 083	4 083	4 083
Suriname	176	402	478	978	789	531	378	907	992
Sweden	1 721	2 132	1 982	2 321	1 871	1 801	2 047	2 138	2 338

TABLE 13.
PESTICIDE USE (TONNES) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2018	2019	2020	2021	2022
Switzerland	1 577	1 388	2 148	2 207	2 020	1 921	1 885	2 220	2 166
Syrian Arab Republic	1 107	1 579	1 614	1 897	1 897	1 897	1 897	1 897	1 897
Tajikistan	130	128	126	125	386	469	439	570	636
Thailand	20 334	43 831	68 986	26 168	34 777	28 074	19 007	8 745	5 806
Timor-Leste	3	3	18	45	70	89	119	138	148
Togo	321	203	242	1 118	1 356	1 425	1 425	1 425	1 425
Tonga	11	11	11	12	22	22	22	22	22
Trinidad and Tobago	212	136	126	1 173	1 173	1 173	1 173	1 173	1 173
Tunisia	1 412	1 493	2 175	2 817	3 211	3 511	3 412	3 299	3 247
Türkiye	33 471	40 332	38 555	39 026	59 922	51 190	53 490	52 876	52 963
Turkmenistan	801	723	723	723	723	2 049	1 294	1 255	1 647
Tuvalu	1	2	2	2	2	2	2	2	2
Uganda	1 634	1 712	2 990	6 298	6 038	6 240	6 027	6 016	6 010
Ukraine	27 344	23 022	61 892	64 306	25 343	24 325	24 622	26 974	19 435
United Arab Emirates									
United Kingdom of Great Britain and Northern Ireland	33 031	31 415	16 771	18 475	19 300	19 606	15 023	14 794	16 983
United Republic of Tanzania	1	1	1	1	1	1	1	1	1
United States of America	430 005	409 730	374 818	423 475	457 385	495 673	474 707	433 771	467 677
Uruguay	3 650	9 167	14 896	13 990	16 446	16 446	16 446	16 446	16 446
Uzbekistan									
Vanuatu	65	68	48	16	16	16	16	16	16
Venezuela (Bolivarian Republic of)	3 928	3 928	3 928	3 928	3 928	3 928	3 928	3 928	3 928
Viet Nam	16 502	36 584	57 105	102 408	139 416	134 742	89 335	148 669	161 908
Yemen	899	1 249	695	1 357	838	1 147	1 504	1 504	1 504
Zambia	2 180	2 818	3 455	4 093	4 197	4 197	4 197	4 197	4 197
Zimbabwe	2 953	3 129	3 305	2 185	2 185	2 185	2 185	2 185	2 185

Source: FAO. 2024. FAOSTAT: Pesticides Use. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/RP>. Licence: CC-BY-4.0.

TABLE 14.
PESTICIDE USE PER CROPLAND AREA (KG PER HA)

COUNTRY	2000	2005	2010	2015	2018	2019	2020	2021	2022
World	1.47	1.69	2.01	2.16	2.18	2.25	2.22	2.29	2.37
Africa	0.32	0.40	0.49	0.56	0.65	0.69	0.71	0.70	0.69
Americas	2.41	2.91	3.50	3.92	4.16	4.51	4.66	4.62	5.11
Asia	1.33	1.52	1.97	2.02	1.94	1.91	1.67	1.90	1.87
Europe	1.47	1.56	1.55	1.77	1.72	1.62	1.74	1.77	1.64
Oceania	1.49	1.40	1.75	1.75	2.01	2.01	2.01	1.97	1.98
Afghanistan									
Albania	0.44	0.55	0.85	0.77	0.64	1.07	0.58	0.63	0.43
Algeria	0.31	0.34	0.22	0.53	0.71	0.71	0.72	0.72	0.71
Andorra	18.55	15.50	16.52	20.10	16.24	17.97	20.92	22.88	23.57
Angola	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Antigua and Barbuda	34.89	34.89	34.89	35.19	36.59	36.59	36.59	36.59	36.59
Argentina	2.94	3.99	6.04	4.93	4.19	4.88	5.61	5.58	5.94
Armenia	0.14	0.44	0.55	0.97	1.22	1.04	1.27	1.81	1.77
Australia	1.41	1.28	1.62	1.62	1.90	1.93	1.92	1.88	1.88
Austria	2.42	2.35	2.58	2.68	3.79	3.56	4.00	4.16	4.37
Azerbaijan	0.07	0.07	0.16	0.24	0.23	0.23	0.23	0.23	0.23
Bahamas	31.23	28.62	8.70	16.19	16.19	16.19	16.19	16.19	16.19
Bahrain	1.47	2.37	2.03	2.79	3.47	8.30	7.67	7.38	3.32
Bangladesh	0.36	0.93	1.53	1.56	1.77	1.75	1.76	1.76	1.76
Barbados	9.75	9.65	8.79	10.38	10.11	9.59	9.07	8.55	8.55
Belarus	0.29	0.64	0.60	0.25	0.14	0.72	0.80	0.72	0.74
Belgium	10.83	11.31	5.43	7.60	7.27	6.74	6.38	6.27	5.71
Belize	13.09	9.41	6.55	8.89	11.35	8.57	10.27	8.51	10.08
Benin	0.38	0.20	0.71	0.43	1.11	1.39	1.45	1.24	1.11
Bhutan	0.02	0.01	0.06	0.10	1.74	1.80	1.70	2.20	2.41
Bolivia (Plurinational State of)	1.14	1.78	2.78	3.06	4.18	3.25	3.49	3.24	3.30
Bosnia and Herzegovina	1.99	1.95	1.93	2.03	2.17	2.24	2.43	2.44	2.44
Botswana	1.07	1.53	1.50	2.35	3.36	3.80	4.55	5.29	5.66
Brazil	2.57	3.91	5.85	7.90	8.65	9.78	10.81	11.34	12.63
Brunei Darussalam	24.71	37.61	15.88	17.20	15.70	21.61	28.60	28.87	29.00
Bulgaria	0.76	0.66	0.47	0.42	1.39	1.84	1.16	1.23	1.22
Burkina Faso	0.14	0.27	0.16	0.27	0.39	0.34	0.34	0.36	0.37
Burundi	0.08	0.23	0.20	0.05	0.03	0.03	0.03	0.03	0.03
Cabo Verde	0.15	0.10	0.09	0.09	0.09	0.09	0.09	0.09	0.09
Cambodia	0.12	0.12	0.31	1.23	1.77	2.66	3.38	3.76	3.98
Cameroon	0.08	0.31	0.45	0.75	0.94	1.06	1.38	1.28	1.28
Canada	0.97	0.91	1.61	1.96	2.26	2.03	2.42	2.54	2.54
Central African Republic	0.02	0.02	0.03	0.01	0.03	0.02	0.02	0.08	0.10
Chad	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Chile	2.28	3.41	3.78	4.82	6.57	6.69	7.39	8.35	9.94
China	1.91	2.13	2.51	2.63	2.28	2.12	2.01	1.90	1.83
Colombia	16.69	32.63	14.50	9.19	8.49	15.13	7.80	8.20	16.02
Comoros	0.10	0.02	0.22	0.13	0.18	0.22	0.28	0.32	0.34

TABLE 14.
PESTICIDE USE PER CROPLAND AREA (KG PER HA) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2018	2019	2020	2021	2022
Congo	0.60	0.78	1.04	1.11	0.75	0.91	1.13	1.24	1.29
Costa Rica	29.15	24.62	26.37	21.57	19.19	22.38	22.53	17.41	17.46
Côte d'Ivoire	0.01	0.01	0.01	0.00	0.00	0.01	0.01	0.00	0.00
Croatia	2.99	2.31	1.62	2.51	1.94	1.74	1.71	1.57	1.62
Cuba	0.90	0.86	0.98	1.13	0.75	0.75	0.75	0.75	0.75
Cyprus	5.31	4.09	5.62	8.47	9.05	9.94	9.49	9.25	8.36
Czechia	1.37	1.96	1.92	2.49	2.04	2.00	1.72	1.77	2.19
Democratic People's Republic of Korea									
Democratic Republic of the Congo	0.15	0.15	0.11	0.08	0.07	0.06	0.06	0.06	0.06
Denmark	1.39	1.39	1.61	1.09	1.09	1.10	1.32	1.25	1.41
Djibouti	12.16	11.10	8.01	6.58	6.58	6.35	4.72	4.72	4.72
Dominica									
Dominican Republic	3.86	2.88	5.26	4.08	5.74	4.52	3.31	2.09	1.61
Ecuador	6.02	7.33	12.27	17.47	15.89	14.03	7.20	0.68	1.00
Egypt	1.50	1.55	3.16	2.12	2.92	3.29	2.96	2.62	2.33
El Salvador	3.08	2.30	4.13	1.99	3.35	2.87	3.52	4.31	4.31
Equatorial Guinea	0.17	0.61	1.80	1.09	0.72	0.78	0.80	0.78	0.77
Eritrea	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Estonia	0.37	0.64	0.79	0.88	0.92	1.07	1.10	1.26	1.09
Eswatini	2.89	5.69	2.51	3.00	5.33	5.89	6.35	6.90	7.17
Ethiopia	0.06	0.10	0.26	0.24	0.23	0.23	0.22	0.22	0.22
Fiji	1.46	2.35	4.12	4.82	4.36	4.38	4.42	4.42	4.42
Finland	1.65	2.21	1.69	1.79	2.18	1.79	2.19	1.82	1.48
France	5.02	4.02	3.21	3.42	4.39	2.86	3.28	3.52	3.45
Gabon	0.71	1.02	1.65	2.22	2.43	2.31	2.14	2.28	2.36
Gambia	0.93	3.01	0.57	0.75	1.21	1.12	0.94	0.58	0.41
Georgia	2.90	5.31	5.93	2.83	5.15	5.93	6.54	5.65	6.12
Germany	2.93	3.01	3.39	3.97	3.77	3.79	4.04	4.11	4.06
Ghana	0.01	0.03	0.21	1.28	1.34	1.32	1.31	1.31	1.31
Greece	2.76	3.70	1.51	1.27	1.51	1.51	1.74	1.66	1.40
Grenada	8.93	14.24	11.44	16.66	16.46	16.51	15.73	16.66	17.12
Guatemala	4.94	6.03	6.03	3.78	4.38	4.04	5.20	4.83	5.18
Guinea	0.07	0.10	0.13	0.08	0.02	0.02	0.02	0.02	0.02
Guinea-Bissau	0.08	0.15	0.15	0.15	0.14	0.13	0.13	0.13	0.13
Guyana									
Haiti	0.31	0.34	0.69	0.25	0.43	0.54	0.60	0.66	0.70
Honduras	3.07	2.53	3.83	5.21	5.51	5.15	7.35	6.51	6.51
Hungary	0.86	2.01	2.25	2.11	1.90	1.74	2.07	2.07	1.99
Iceland	0.03	0.04	0.02	0.04	0.02	0.01	0.01	0.01	0.02
India	0.26	0.21	0.24	0.24	0.24	0.24	0.24	0.24	0.24
Indonesia	4.27	4.98	8.05	7.65	5.86	6.14	4.74	6.30	6.49
Iran (Islamic Republic of)	0.58	0.43	0.26	0.41	0.33	0.28	0.33	0.33	0.33
Iraq	0.12	0.18	0.18	0.04	0.05	0.06	0.06	0.06	0.06
Ireland	3.96	5.34	5.74	7.72	5.87	6.69	6.54	7.07	6.08

TABLE 14.
PESTICIDE USE PER CROPLAND AREA (KG PER HA) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2018	2019	2020	2021	2022
Israel	8.16	15.45	18.21	16.16	15.15	14.60	14.51	14.56	14.71
Italy	7.04	8.19	7.44	6.97	5.90	5.19	6.01	5.36	4.69
Jamaica	5.52	5.77	5.38	5.59	8.14	7.98	9.86	8.73	8.73
Japan	16.53	13.60	12.10	12.05	11.84	11.82	11.18	11.22	11.63
Jordan	1.99	6.41	3.58	2.12	2.41	2.25	1.61	1.43	1.74
Kazakhstan	0.10	0.13	0.22	0.36	0.44	0.44	0.49	0.61	0.30
Kenya	0.36	0.37	0.45	0.68	0.84	0.90	0.88	0.76	0.73
Kiribati	0.12	0.21	0.29	0.70	0.61	0.74	0.91	0.96	0.98
Kuwait									
Kyrgyzstan	0.48	0.80	0.26	0.38	0.45	0.50	0.51	0.45	0.42
Lao People's Democratic Republic	0.00	0.00	0.00	0.03	0.11	0.12	0.12	0.12	0.12
Latvia	0.29	0.65	0.87	1.22	1.22	1.24	1.42	1.45	1.33
Lebanon	6.73	6.42	7.57	6.85	6.69	6.69	6.55	6.50	6.50
Lesotho	0.02	0.04	0.02	0.25	0.16	0.26	0.51	0.55	0.57
Liberia	0.11	0.29	0.75	0.93	1.28	1.34	1.43	1.46	1.47
Libya	0.32	1.63	1.13	0.51	0.51	0.69	0.84	0.84	0.84
Lithuania	0.24	0.54	0.84	1.26	0.97	1.05	1.13	1.13	1.55
Luxembourg	2.45	2.49	2.43	2.14	2.52	2.26	2.31	2.03	1.84
Madagascar	0.04	0.03	0.07	0.11	0.20	0.21	0.21	0.19	0.23
Malawi	0.07	0.09	0.16	0.58	0.45	0.41	0.37	0.34	0.48
Malaysia	4.54	5.49	8.47	7.64	5.32	5.77	4.35	5.51	3.09
Maldives	9.30	14.31	12.76	23.67	23.67	23.67	23.67	23.67	23.67
Mali	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Malta	20.21	12.65	10.67	12.58	8.68	7.28	10.52	12.42	11.59
Marshall Islands									
Mauritania	0.06	0.12	0.13	0.63	0.83	0.86	0.82	0.92	0.96
Mauritius	6.85	9.49	10.91	11.48	9.77	9.55	8.97	8.93	10.98
Mexico	1.05	1.51	2.04	1.95	2.35	0.90	0.84	0.86	0.90
Micronesia (Federated States of)	7.90	6.63	5.66	6.13	6.13	6.13	6.13	6.13	6.13
Mongolia	0.10	0.10	0.09	1.59	2.71	3.68	4.09	4.54	4.49
Montenegro			0.35	5.52	6.33	6.80	8.09	7.69	6.71
Morocco	1.39	1.55	1.52	1.51	1.44	1.59	1.46	1.47	1.47
Mozambique	0.03	0.05	0.07	0.09	0.19	0.29	0.37	0.49	0.51
Myanmar	0.05	0.13	0.27	0.62	1.22	1.39	0.94	0.94	0.94
Namibia	1.61	0.43	0.81	1.15	1.03	1.12	1.24	1.43	1.53
Nauru	11.43	1.83	0.84	8.98	9.95	14.55	15.58	17.15	17.93
Nepal	0.05	0.05	0.14	0.26	0.36	0.40	0.34	0.40	0.60
Netherlands (Kingdom of the)	10.76	9.37	9.05	9.22	8.84	8.77	9.47	8.99	8.38
New Zealand	8.01	8.72	9.27	9.70	8.97	8.52	8.79	7.66	8.74
Nicaragua	1.83	4.20	6.62	4.36	3.89	4.34	8.70	7.62	7.17
Niger	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Nigeria	0.10	0.36	0.63	0.74	1.09	1.24	1.31	1.29	1.30
North Macedonia	0.49	0.31	0.22	0.22	0.21	0.21	0.21	0.21	0.21
Norway	0.39	0.60	0.84	0.78	0.76	0.75	0.85	0.88	0.94

TABLE 14.
PESTICIDE USE PER CROPLAND AREA (KG PER HA) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2018	2019	2020	2021	2022
Oman	0.62	2.32	3.52	4.02	1.88	2.80	2.67	2.63	3.57
Pakistan	0.84	0.86	0.88	0.86	0.84	0.85	0.84	0.86	0.86
Palau	3.11	3.11	2.03	9.07	12.39	10.80	10.80	10.80	10.80
Panama	1.58	3.78	2.57	3.42	2.39	1.29	1.16	1.46	2.15
Papua New Guinea	0.26	0.38	0.41	0.82	0.81	0.85	0.91	0.97	1.00
Paraguay	1.13	4.33	5.49	4.53	4.87	5.15	4.53	5.54	5.40
Peru	0.44	0.69	1.19	1.51	1.46	1.87	2.18	1.72	1.61
Philippines	1.79	1.86	2.01	2.11	1.92	2.23	3.11	3.37	3.37
Poland	0.62	1.28	1.73	2.13	2.04	2.13	2.13	2.35	1.93
Portugal	6.09	7.96	7.40	5.49	4.62	5.30	5.27	5.23	5.02
Qatar	21.35	34.85	36.07	37.01	33.23	35.11	35.11	35.11	35.11
Republic of Korea	13.39	13.44	11.91	11.60	11.73	10.59	10.95	12.29	13.01
Republic of Moldova	1.33	1.12	1.17	1.39	1.75	1.76	1.74	2.67	3.59
Romania	0.95	0.80	0.75	1.25	1.22	0.96	0.98	0.93	0.92
Russian Federation	0.24	0.30	0.36	0.42	0.60	0.63	0.73	0.79	0.79
Rwanda	0.11	0.16	0.64	1.56	1.31	1.35	1.30	1.25	1.25
Saint Kitts and Nevis	26.71	25.24	19.61	22.62	19.89	19.89	19.89	19.89	19.89
Saint Lucia	20.27	28.38	22.44	27.64	21.32	23.10	25.33	26.84	27.59
Saint Vincent and the Grenadines	33.98	34.23	35.04	30.38	26.24	24.13	25.10	27.41	28.57
Samoa	0.15	0.92	1.78	1.44	4.15	2.60	4.31	6.33	6.33
San Marino									
Sao Tome and Principe	0.15	0.20	0.58	0.45	0.47	0.51	0.60	0.59	0.59
Saudi Arabia	0.80	1.03	1.29	1.97	2.68	2.90	1.99	1.99	1.99
Senegal	0.15	0.15	0.19	0.19	0.08	0.12	0.15	0.15	0.15
Serbia			0.68	1.17	0.88	0.93	0.90	0.80	0.76
Seychelles	15.44	17.10	19.48	19.48	19.48	19.48	19.48	19.48	19.48
Sierra Leone	0.37	0.05	0.09	0.20	0.20	0.21	0.21	0.21	0.21
Singapore									
Slovakia	0.93	1.09	1.33	1.15	1.31	1.36	1.33	1.21	1.13
Slovenia	7.20	6.78	4.80	4.41	4.97	4.15	4.12	3.89	3.55
Solomon Islands	0.35	0.39	0.54	0.56	0.49	0.35	0.35	0.35	0.35
Somalia	0.02	0.08	0.11	0.32	0.39	0.55	0.64	0.66	0.66
South Africa	1.89	2.19	2.59	3.04	3.14	3.15	3.35	3.43	3.40
South Sudan									
Spain	1.89	2.30	2.27	4.49	4.36	4.49	4.55	4.59	3.36
Sri Lanka	0.89	0.84	0.67	1.10	0.95	0.64	1.08	1.17	0.90
Sudan				0.15	0.26	0.19	0.19	0.19	0.19
Suriname	2.63	7.31	7.83	13.78	11.60	7.92	5.81	14.63	18.72
Sweden	0.66	0.79	0.76	0.90	0.73	0.71	0.81	0.84	0.92
Switzerland	3.65	3.24	5.02	5.22	4.77	4.53	4.43	5.28	5.14
Syrian Arab Republic	0.21	0.28	0.28	0.33	0.33	0.33	0.33	0.34	0.35
Tajikistan	0.15	0.15	0.14	0.13	0.37	0.45	0.42	0.55	0.59
Thailand	0.96	2.03	3.13	1.19	1.58	1.26	0.85	0.39	0.26
Timor-Leste	0.02	0.02	0.10	0.23	0.36	0.46	0.62	0.72	0.77

TABLE 14.
PESTICIDE USE PER CROPLAND AREA (KG PER HA) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2018	2019	2020	2021	2022
Togo	0.13	0.08	0.09	0.40	0.48	0.51	0.51	0.51	0.51
Tonga	0.43	0.43	0.40	0.39	0.71	0.71	0.71	0.71	0.71
Trinidad and Tobago	3.53	2.89	2.67	24.96	24.96	24.96	24.96	24.96	24.96
Tunisia	0.28	0.30	0.42	0.57	0.65	0.71	0.69	0.67	0.66
Türkiye	1.27	1.52	1.58	1.63	2.59	2.22	2.31	2.25	2.22
Turkmenistan	0.49	0.36	0.39	0.41	0.42	1.27	0.79	0.77	1.00
Tuvalu	0.48	1.18	1.21	1.21	1.21	1.21	1.21	1.21	1.21
Uganda	0.22	0.21	0.33	0.69	0.66	0.69	0.66	0.66	0.66
Ukraine	0.82	0.69	1.85	1.91	0.75	0.72	0.73	0.80	0.58
United Arab Emirates									
United Kingdom of Great Britain and Northern Ireland	5.57	5.44	2.79	3.05	3.17	3.20	2.49	2.44	2.81
United Republic of Tanzania	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
United States of America	2.41	2.33	2.28	2.66	2.87	3.13	3.02	2.78	3.02
Uruguay	2.58	6.40	7.19	5.67	7.51	7.73	7.97	7.94	7.63
Uzbekistan									
Vanuatu	0.49	0.48	0.33	0.11	0.11	0.11	0.11	0.11	0.11
Venezuela (Bolivarian Republic of)	1.16	1.17	1.19	1.19	1.19	1.19	1.19	1.19	1.19
Viet Nam	2.03	3.89	5.64	8.90	12.12	11.47	7.62	12.69	13.87
Yemen	0.54	0.82	0.44	0.95	0.58	0.79	1.04	1.04	1.04
Zambia	0.76	1.02	1.01	1.09	1.09	1.09	1.09	1.09	1.09
Zimbabwe	0.79	0.79	0.82	0.65	0.65	0.69	0.67	0.70	0.69

Source: FAO. 2024. FAOSTAT: Pesticides Use. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/RP>. Licence: CC-BY-4.0.

TABLE 15.
INORGANIC FERTILIZER USE BY NUTRIENT (THOUSAND TONNES)

COUNTRY	NITROGEN, AS N		PHOSPHORUS, AS P ₂ O ₅		POTASSIUM, AS K ₂ O		TOTAL	
	2000	2022	2000	2022	2000	2022	2000	2022
World	81 024.7	108 058.2	32 450.2	41 854.5	21 744.6	35 454.8	135 219.5	185 367.6
Africa	2 464.6	4 129.7	927.6	1 654.4	469.6	920.0	3 861.8	6 704.1
Americas	17 433.3	25 784.9	8 152.3	12 482.1	8 247.4	14 081.9	33 832.9	52 348.8
Asia	46 723.3	62 628.2	17 698.1	23 088.3	7 864.5	16 342.6	72 285.9	102 059.2
Europe	13 213.8	13 138.7	4 092.6	3 111.5	4 814.1	3 742.1	22 120.5	19 992.3
Oceania	1 189.7	2 376.8	1 579.5	1 518.3	349.0	368.1	3 118.3	4 263.2
Afghanistan	5.0	26.0		13.5		0.0		39.6
Albania	12.1	16.5	4.9	4.8	1.7	1.7	18.7	23.0
Algeria	44.3	70.2	25.0	58.8	23.0	26.7	92.3	155.7
Andorra								
Angola	1.4	30.6		18.0		22.6		71.2
Antigua and Barbuda		0.0		0.0		0.0		0.0
Argentina	498.2	1 767.5	333.8	879.6	31.0	81.2	863.0	2 728.3
Armenia	7.0	16.8		0.8		1.2		18.8
Australia	951.0	1 922.4	1 116.3	1 170.2	217.0	239.2	2 284.3	3 331.9
Austria	121.6	97.6	48.5	15.5	55.2	15.6	225.4	128.7
Azerbaijan	2.1	16.5		25.6	2.0	9.5		51.7
Bahamas	0.1		0.1		0.1		0.3	
Bahrain	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.2
Bangladesh	995.9	1 509.5	250.3	1 063.1	74.0	507.0	1 320.2	3 079.5
Barbados	1.8	0.2	0.2	0.1	1.0	0.0	3.0	0.3
Belarus	280.0	462.7	75.0	98.8	450.0	534.0	805.0	1 095.5
Belgium								
Belize	2.8	6.8	1.9	4.3	1.4	1.6	6.1	12.6
Benin	14.3	67.2	11.4	31.8	9.5	31.8	35.2	130.8
Bhutan		0.4		0.4		0.4		1.2
Bolivia (Plurinational State of)	3.2	17.1	3.6	20.7	0.7	4.1	7.5	41.9
Bosnia and Herzegovina	27.8	47.9	7.0	5.0	7.0	6.8	41.8	59.8
Botswana	4.1	15.9	0.3	1.6	0.2	1.4	4.6	18.9
Brazil	1 668.0	6 775.1	2 338.0	5 735.1	2 562.0	7 688.0	6 568.0	20 198.2
Brunei Darussalam		0.2		0.2		0.2		0.7
Bulgaria	144.9		4.0		2.6		151.5	
Burkina Faso	9.9	54.2	15.1	27.3	9.0	23.3	33.9	104.8
Burundi	1.5	6.9	1.0	40.9	1.0	3.7	3.5	51.5
Cabo Verde	0.1	0.3		0.0	0.0	0.1		0.4
Cambodia		84.7		41.1		9.9		135.7
Cameroon	21.9	45.8	7.7	13.1	16.6	31.8	46.1	90.7
Canada	1 564.3	2 751.0	570.5	1 028.0	310.5	726.0	2 445.4	4 505.0
Central African Republic	0.2	0.0	0.2	0.0	0.2	0.0	0.6	0.0
Chad	11.0	13.3	2.0	4.6	4.5	6.7	17.5	24.7
Chile	235.0	196.8	172.0	80.9	75.0	7.9	482.0	285.5
China	22 139.2	24 562.2	8 609.7	9 681.8	3 469.0	8 979.2	34 217.9	43 223.3
Colombia	334.3	398.6	131.8	192.2	192.1	402.9	658.2	993.7

TABLE 15.
INORGANIC FERTILIZER USE BY NUTRIENT (THOUSAND TONNES) (CONTINUED)

COUNTRY	NITROGEN, AS N		PHOSPHORUS, AS P ₂ O ₅		POTASSIUM, AS K ₂ O		TOTAL	
	2000	2022	2000	2022	2000	2022	2000	2022
Comoros	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.3
Congo	2.0	2.7	1.0	0.6	2.0	3.1	5.0	6.4
Costa Rica	68.0	70.1	29.0	13.7	70.0	66.3	167.0	150.2
Côte d'Ivoire	40.0	51.1	11.1	17.6	16.0	40.1	67.1	108.9
Croatia	116.0	88.4	49.0	32.4	58.0	40.0	223.0	160.9
Cuba	78.0	15.1	24.3	0.6	28.1	1.6	130.4	17.3
Cyprus	7.8	5.8	4.9	3.6	1.7	2.7	14.4	12.1
Czechia	262.8	324.9	43.3	37.4	24.5	22.1	330.7	384.5
Democratic People's Republic of Korea	165.0	4.2	52.0	0.0	39.0	12.0	256.0	16.2
Democratic Republic of the Congo	0.3	22.0	0.3	3.2	0.2	4.7	0.8	29.9
Denmark	234.0	196.0	36.0	25.3	79.0	53.1	349.0	274.3
Djibouti		0.1		0.0		0.0		0.1
Dominica	1.0	0.0	1.0	0.1	1.0	0.1	3.0	0.3
Dominican Republic	48.5	104.8	15.4	15.4	27.8	22.0	91.7	142.2
Ecuador	71.6	162.3	35.4	35.6	57.4	119.6	164.4	317.4
Egypt	1 073.4	1 331.9	153.8	258.7	32.5	78.9	1 259.7	1 669.5
El Salvador	48.5	19.6	13.3	4.7	16.0	3.9	77.8	28.2
Equatorial Guinea		0.3		0.0		0.1		0.4
Eritrea	5.4	2.7	5.5	0.0		0.0		2.7
Estonia	22.4	42.1	6.4	8.9	6.2	9.7	35.0	60.6
Eswatini	2.0	8.1	1.9	4.5	1.9	3.7	5.8	16.3
Ethiopia	76.5	425.9	81.0	194.2		0.0		620.1
Fiji	2.5	3.2	2.0	4.0	3.0	2.6	7.5	9.8
Finland	167.0	104.9	52.0	18.3	80.0	23.2	299.0	146.3
France	2 316.3	1 733.6	795.0	240.8	1 033.5	244.8	4 144.8	2 219.3
Gabon	0.1	11.0	0.1	9.7	0.1	13.2	0.3	33.9
Gambia	0.6	0.5	0.1	0.4	0.1	0.1	0.8	1.0
Georgia	40.0	19.3		4.1	2.0	2.9		26.2
Germany	1 847.5	1 007.4	351.3	115.8	544.0	239.2	2 742.8	1 362.4
Ghana	7.0	77.7	2.7	60.3	2.1	36.5	11.9	174.5
Greece	285.0	167.4	113.0	57.2	58.0	41.1	456.0	265.7
Grenada		0.2		0.1		0.1		0.3
Guatemala	124.5	149.0	46.1	43.3	41.0	62.6	211.6	255.0
Guinea	1.0	17.8	1.4	5.4	0.8	5.4	3.2	28.6
Guinea-Bissau	1.0	4.3	0.7	0.0	0.7	0.0	2.4	4.3
Guyana	10.7	13.3	1.2	2.6	0.6	2.0	12.6	17.9
Haiti	8.9	0.5	2.7	2.6	2.9	2.6	14.4	5.6
Honduras	135.9	104.9	21.6	33.3	23.0	56.4	180.5	194.5
Hungary	320.0	325.5	45.0	65.6	52.0	65.1	417.0	456.2
Iceland	13.0	11.2	4.0	1.6	4.2	2.5	21.2	15.3
India	10 920.2	20 206.3	4 214.6	7 921.5	1 567.5	1 715.8	16 702.3	29 843.6
Indonesia	1 964.4	2 984.9	263.1	582.1	266.0	1 964.7	2 493.5	5 531.8
Iran (Islamic Republic of)	862.6	903.2	412.7	109.9	118.3	59.0	1 393.6	1 072.1

TABLE 15.
INORGANIC FERTILIZER USE BY NUTRIENT (THOUSAND TONNES) (CONTINUED)

COUNTRY	NITROGEN, AS N		PHOSPHORUS, AS P ₂ O ₅		POTASSIUM, AS K ₂ O		TOTAL	
	2000	2022	2000	2022	2000	2022	2000	2022
Iraq	250.5	169.7	117.2	77.3	3.5	6.9	371.2	254.0
Ireland	368.4	343.2	96.0	78.5	135.0	112.8	599.4	534.4
Israel	49.0	29.7	15.0	5.8	30.0	36.3	94.0	71.8
Italy	828.0	570.5	504.0	97.6	400.0	138.9	1 732.0	807.1
Jamaica	9.9	3.7	5.2	2.1	7.3	1.3	22.4	7.1
Japan	487.4	354.9	583.0	322.0	381.9	209.6	1 452.3	886.5
Jordan	9.4	14.9	4.5	2.0	6.8	2.9	20.6	19.9
Kazakhstan	30.0	71.4	4.9	39.7	2.1	3.8	37.0	114.9
Kenya	69.9	96.0	71.2	91.2	4.5	33.2	145.7	220.5
Kiribati		0.0		0.0		0.0		0.0
Kuwait	0.6	2.2		1.5		7.2		10.9
Kyrgyzstan	27.7	23.1	1.4	9.5	0.1	0.5	29.2	33.0
Lao People's Democratic Republic	3.2	40.4	2.4	14.2	0.4	55.9	6.0	110.4
Latvia	28.5	82.3	10.2	26.1	11.6	29.6	50.3	138.0
Lebanon	24.3	7.6	18.4	5.9	9.6	3.4	52.3	16.9
Lesotho	3.4	1.9	2.4	0.3	2.1	0.1	8.0	2.2
Liberia		5.4		2.2		2.0		9.6
Libya	31.7	13.7	18.0	12.9	5.3	1.5	55.0	28.1
Lithuania	98.0	130.7	20.0	38.1	35.0	51.5	153.0	220.4
Luxembourg		7.6		0.6		0.6		8.7
Madagascar	3.8	14.7	3.0	3.1	2.4	2.8	9.1	20.6
Malawi	34.6	63.4	11.4	19.6	3.8	11.9	49.8	94.8
Malaysia	348.6	355.3	199.7	157.8	640.0	817.4	1 188.3	1 330.5
Maldives		0.2		0.0		0.0		0.3
Mali	12.7	20.8	13.6	6.7	13.6	36.4	39.8	63.9
Malta	0.8	0.6	0.2	0.1	0.2	0.1	1.1	0.8
Marshall Islands								
Mauritania		3.6		1.4		1.3		6.3
Mauritius	13.3	5.6	6.1	1.2	18.1	2.8	37.5	9.5
Mexico	1 342.0	994.3	315.0	372.7	175.0	212.4	1 832.0	1 579.3
Micronesia (Federated States of)		0.0		0.0		0.0		0.0
Mongolia	3.4	0.0		0.0		0.0		0.0
Montenegro		1.0		0.3		0.4		1.7
Morocco	207.6	228.5	108.8	100.4	51.0	72.7	367.4	401.6
Mozambique	9.7	38.7	3.4	1.3	1.2	5.2	14.3	45.1
Myanmar	165.0	96.9	34.7	88.1	6.0	79.3	205.7	264.3
Namibia	0.1	11.7	0.2	0.1		0.1		11.9
Nauru		0.0		0.0		0.0		0.0
Nepal	51.8	80.0	18.2	35.8	3.1	6.6	73.0	122.4
Netherlands (Kingdom of the)	300.0	189.9	54.0	10.8	64.0	46.9	418.0	247.6
New Zealand	230.7	420.0	456.6	339.0	125.4	111.6	812.7	870.6
Nicaragua	14.2	51.0	10.7	12.2	4.0	25.9	28.9	89.1
Niger	2.5	6.2	1.2	1.0	0.8	1.1	4.5	8.3

TABLE 15.
INORGANIC FERTILIZER USE BY NUTRIENT (THOUSAND TONNES) (CONTINUED)

COUNTRY	NITROGEN, AS N		PHOSPHORUS, AS P ₂ O ₅		POTASSIUM, AS K ₂ O		TOTAL	
	2000	2022	2000	2022	2000	2022	2000	2022
Nigeria	105.6	122.1	44.0	79.2	37.9	67.2	187.5	268.5
North Macedonia	19.2	14.2	11.7	2.5	9.0	1.9	39.9	18.6
Norway	102.0	104.7	30.0	20.5	61.0	40.3	193.0	165.5
Oman	4.0	12.4	1.0	2.1	0.8	14.0	5.8	28.5
Pakistan	2 264.6	3 666.8	675.1	744.0	22.8	30.5	2 962.5	4 441.3
Palau		0.0		0.0		0.0		0.0
Panama	15.3	22.5	5.5	3.2	10.4	7.8	31.2	33.4
Papua New Guinea	4.7	30.5	4.0	4.6	3.0	12.4	11.7	47.5
Paraguay	18.3	115.0	25.9	170.1	21.0	156.0	65.2	441.1
Peru	190.1	280.0	45.0	43.7	19.1	80.9	254.3	404.7
Philippines	488.2	799.0	124.1	401.6	122.3	394.9	734.6	1 595.5
Poland	895.5	912.0	317.9	322.0	401.7	495.0	1 615.1	1 729.0
Portugal	113.0	57.6	63.0	26.0	43.0	24.8	219.0	108.4
Qatar	0.5	1.6		1.1		2.4		5.0
Republic of Korea	411.5	242.3	161.7	85.7	210.1	101.6	783.3	429.6
Republic of Moldova	5.0	47.3	0.1	13.3		9.0		69.6
Romania	239.3	459.0	56.0	198.6	9.0	83.5	304.3	741.2
Russian Federation	960.0	2 176.8	280.0	729.3	180.0	525.9	1 420.0	3 432.0
Rwanda	0.1	15.1	0.1	14.4	0.1	7.3	0.3	36.9
Saint Kitts and Nevis	0.8	0.0	0.5	0.0	0.4	0.0	1.7	0.0
Saint Lucia	0.9	0.3	0.6	0.1	0.6	0.1	2.1	0.5
Saint Vincent and the Grenadines	1.3	0.1	1.3	0.0	1.3	0.0	3.9	0.2
Samoa		0.0		0.0		0.0		0.0
San Marino								
Sao Tome and Principe		0.1		0.0		0.1		0.2
Saudi Arabia	228.0	246.1	137.2	80.4	21.0	82.8	386.2	409.3
Senegal	16.2	52.6	11.0	3.6	11.0	14.7	38.2	70.9
Serbia		266.6		73.2		27.8		367.6
Seychelles	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Sierra Leone	0.1	2.5	0.1	0.9	0.1	0.9	0.2	4.2
Singapore	1.6	0.0	0.7	0.0	0.7	0.0	3.0	0.1
Slovakia	82.1	115.3	19.2	23.9	16.8	18.1	118.1	157.3
Slovenia	34.8	27.8	18.4	5.5	22.3	5.3	75.6	38.6
Solomon Islands		0.0		0.0		0.6		0.7
Somalia	0.5	0.1		0.0		0.0		0.1
South Africa	415.9	541.7	187.0	321.4	137.4	234.5	740.3	1 097.6
South Sudan		0.0		0.0		0.0		0.0
Spain	1 113.7	744.1	568.1	242.1	467.6	306.8	2 149.4	1 293.0
Sri Lanka	157.5	119.2	30.4	13.8	59.1	78.2	247.0	211.2
Sudan		120.5		27.0		1.7		149.1
Suriname	5.3	7.6		0.9	0.5	0.9		9.3
Sweden	196.7	184.9	39.0	41.2	46.7	33.5	282.5	259.5

TABLE 15.
INORGANIC FERTILIZER USE BY NUTRIENT (THOUSAND TONNES) (CONTINUED)

COUNTRY	NITROGEN, AS N		PHOSPHORUS, AS P ₂ O ₅		POTASSIUM, AS K ₂ O		TOTAL	
	2000	2022	2000	2022	2000	2022	2000	2022
Switzerland	48.4		12.2		28.3		88.9	
Syrian Arab Republic	236.0	18.2	121.4	7.9	8.1	2.1	365.5	28.2
Tajikistan	8.9	75.2		2.5		0.5		78.3
Thailand	924.0	1 152.1	383.8	203.0	253.1	506.5	1 560.9	1 861.6
Timor-Leste		0.1		0.0		0.0		0.1
Togo	9.0	23.7	5.4	5.8	5.4	5.8	19.8	35.2
Tonga		0.1		0.0		0.0		0.1
Trinidad and Tobago	7.3		0.7	1.0	1.2	2.5	9.2	
Tunisia	62.1	93.7	45.0	47.5	4.2	6.2	111.3	147.5
Türkiye	1 378.2	1 579.4	628.6	603.6	82.0	130.7	2 088.8	2 313.7
Turkmenistan	86.6	510.6		28.3	14.0	13.8		552.8
Tuvalu		0.0		0.0		0.0		0.0
Uganda	3.4	9.4	1.7	5.1	1.5	3.5	6.6	18.0
Ukraine	350.0	1 214.3	62.0	324.0	28.0	293.6	440.0	1 831.9
United Arab Emirates	23.8	11.4	5.0	3.7	6.3	1.4	35.1	16.5
United Kingdom of Great Britain and Northern Ireland	1 115.0	862.0	279.0	110.0	370.0	197.0	1 764.0	1 169.0
United Republic of Tanzania	14.1	165.6	6.0	67.4	2.3	24.6	22.4	257.7
United States of America	10 703.4	11 426.2	3 882.6	3 672.3	4 485.4	4 270.9	19 071.5	19 369.4
Uruguay	36.2	212.5	56.3	100.5	11.6	63.6	104.1	376.6
Uzbekistan	607.0	830.9	116.2	53.7	8.0	70.8	731.2	955.4
Vanuatu		0.0		0.0		1.1		1.1
Venezuela (Bolivarian Republic of)	175.0	115.0	53.0	8.7	54.0	8.6	282.0	132.3
Viet Nam	1 328.0	1 764.7	506.0	645.5	433.0	415.4	2 267.0	2 825.6
Yemen	14.9	5.3		1.7	0.3	1.6		8.7
Zambia	8.0	171.9	13.4	41.6	10.0	31.8	31.4	245.3
Zimbabwe	87.4	39.3	43.4	47.9	34.5	16.7	165.3	103.9

Source: FAO. 2024. FAOSTAT: Fertilizers by Nutrient. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/RFN>. Licence: CC-BY-4.0.

TABLE 16.
INORGANIC FERTILIZER USE PER CROPLAND AREA BY NUTRIENT (KG PER HA)

COUNTRY	NITROGEN, AS N		PHOSPHORUS, AS P ₂ O ₅		POTASSIUM, AS K ₂ O		TOTAL	
	2000	2022	2000	2022	2000	2022	2000	2022
World	51.3	65.4	21.0	26.0	13.7	21.7	85.9	113.1
Africa	10.4	13.3	3.9	5.3	2.0	2.9	16.3	21.6
Americas	40.4	60.9	21.9	33.7	20.7	35.8	82.9	130.4
Asia	83.1	108.4	31.5	40.0	14.0	28.3	128.6	176.7
Europe	38.5	41.6	12.4	10.2	14.3	12.0	65.1	63.8
Oceania	34.2	52.9	31.5	24.8	7.6	6.5	73.3	84.2
Afghanistan	0.6	3.2		1.7		0.0		4.9
Albania	17.3	24.0	7.0	7.0	2.4	2.5	26.8	33.5
Algeria	5.4	8.3	3.1	6.9	2.8	3.1	11.3	18.3
Andorra								
Angola	0.4	5.4		3.2		4.0		12.5
Antigua and Barbuda		3.2		1.5		1.2		5.9
Argentina	17.4	40.0	11.7	19.9	1.1	1.8	30.1	61.8
Armenia	14.3	33.3		1.5		2.5		37.3
Australia	36.0	54.7	32.9	25.9	7.3	6.1	76.2	86.6
Austria	74.5	63.3	29.7	10.1	33.8	10.1	138.0	83.5
Azerbaijan	1.0	7.0		10.8	1.0	4.0		21.9
Bahamas	11.1		11.1		11.1		33.3	
Bahrain	19.3	15.5	20.0	15.5	19.3	15.4	58.6	46.4
Bangladesh	113.2	171.2	28.5	120.6	8.4	57.5	150.0	349.2
Barbados	112.5	23.1	12.5	15.3	62.5	3.6	187.5	42.0
Belarus	44.8	81.2	12.0	17.3	71.9	93.8	128.7	192.3
Belgium								
Belize	28.7	51.2	19.2	32.3	14.1	12.2	62.0	95.6
Benin	5.4	15.6	4.3	7.4	3.6	7.4	13.3	30.4
Bhutan		6.0		4.8		4.8		15.5
Bolivia (Plurinational State of)	1.0	2.9	1.1	3.6	0.2	0.7	2.3	7.2
Bosnia and Herzegovina	25.3	43.0	6.4	4.5	6.4	6.1	38.0	53.6
Botswana	11.7	60.7	0.9	6.3	0.6	5.2	13.1	72.1
Brazil	27.4	96.2	42.6	90.5	44.4	115.2	114.3	301.8
Brunei Darussalam		24.3		23.2		23.4		70.9
Bulgaria	38.4		1.1		0.7		40.1	
Burkina Faso	1.9	6.3	2.9	3.2	1.7	2.7	6.5	12.2
Burundi	1.1	4.2	0.8	24.9	0.8	2.2	2.7	31.3
Cabo Verde	2.6	5.6		0.5	0.2	1.5		7.6
Cambodia		18.4		8.9		2.1		29.4
Cameroon	3.1	5.9	1.1	1.7	2.3	4.1	6.4	11.7
Canada	34.2	64.3	13.9	26.7	7.2	17.9	55.3	108.9
Central African Republic	0.1	0.0	0.1	0.0	0.1	0.0	0.3	0.0
Chad	3.0	2.5	0.6	0.9	1.2	1.3	4.8	4.6
Chile	89.1	84.9	57.1	30.6	26.7	3.2	172.8	118.7
China	169.1	191.4	65.8	75.4	26.5	70.0	261.4	336.7
Colombia	73.6	81.6	29.0	39.4	42.3	82.5	144.8	203.5

TABLE 16.
INORGANIC FERTILIZER USE PER CROPLAND AREA BY NUTRIENT (KG PER HA) (CONTINUED)

COUNTRY	NITROGEN, AS N		PHOSPHORUS, AS P ₂ O ₅		POTASSIUM, AS K ₂ O		TOTAL	
	2000	2022	2000	2022	2000	2022	2000	2022
Comoros	0.9	0.8	0.9	0.7	0.9	0.7	2.6	2.2
Congo	3.7	3.9	1.9	0.9	3.7	4.5	9.3	9.4
Costa Rica	138.8	134.1	59.2	26.3	142.9	126.9	340.8	287.2
Côte d'Ivoire	5.9	3.8	1.6	1.3	2.4	3.0	9.9	8.0
Croatia	127.3	94.9	53.8	34.8	63.7	42.9	244.8	172.6
Cuba	19.2	4.2	6.0	0.2	6.9	0.4	32.2	4.9
Cyprus	55.8	47.8	34.9	30.0	12.0	22.5	102.7	100.3
Czechia	79.2	128.5	13.1	14.8	7.4	8.7	99.6	152.1
Democratic People's Republic of Korea	66.6	1.7	21.0	0.0	15.7	4.7	103.3	6.4
Democratic Republic of the Congo	0.0	1.3	0.0	0.2	0.0	0.3	0.1	1.8
Denmark	102.2	82.0	15.7	10.6	34.5	22.2	152.5	114.7
Djibouti		16.7		7.2		2.3		26.1
Dominica	52.6	1.5	52.6	4.7	52.6	6.3	157.9	12.4
Dominican Republic	36.8	85.1	11.7	12.5	21.1	17.8	69.6	115.5
Ecuador	24.0	69.4	11.9	15.2	19.3	51.1	55.2	135.7
Egypt	326.2	328.2	46.8	63.8	9.9	19.4	382.8	411.4
El Salvador	55.2	22.3	15.2	5.3	18.2	4.5	88.7	32.1
Equatorial Guinea		2.5		0.0		1.3		3.8
Eritrea	9.6	3.9	9.8	0.0		0.0		3.9
Estonia	26.2	59.1	7.5	12.5	7.2	13.7	41.0	85.2
Eswatini	10.5	41.8	10.0	22.9	10.0	18.9	30.4	83.5
Ethiopia	7.3	23.1	7.7	10.5		0.0		33.6
Fiji	12.6	23.4	10.1	29.0	15.1	18.4	37.7	70.9
Finland	53.3	32.7	23.7	8.1	31.0	8.8	108.1	49.6
France	106.9	79.3	36.7	11.0	47.7	11.2	191.3	101.5
Gabon	0.2	22.2	0.2	19.6	0.2	26.7	0.6	68.5
Gambia	2.5	1.1	0.4	1.0	0.4	0.1	3.4	2.2
Georgia	37.7	43.4		9.2	1.9	6.5		59.1
Germany	123.0	68.0	26.3	8.8	38.5	17.1	187.7	93.9
Ghana	1.3	10.5	0.5	8.1	0.4	4.9	2.1	23.5
Greece	74.0	58.9	29.3	20.1	15.1	14.5	118.3	93.5
Grenada		24.1		8.1		7.4		39.7
Guatemala	54.5	54.5	20.2	15.8	18.0	22.9	92.7	93.2
Guinea	0.3	2.8	0.4	0.8	0.2	0.8	1.0	4.4
Guinea-Bissau	1.8	6.6	1.3	0.0	1.3	0.0	4.4	6.7
Guyana	24.6	29.7	2.9	5.9	1.4	4.4	28.8	40.0
Haiti	7.4	0.4	2.2	2.0	2.4	2.0	12.0	4.3
Honduras	95.2	64.8	15.1	20.6	16.1	34.9	126.5	120.2
Hungary	66.6	75.6	9.4	15.3	10.8	15.1	86.8	106.0
Iceland	100.8	92.7	31.0	12.9	32.6	20.5	164.4	126.0
India	64.2	120.2	24.8	47.1	9.2	10.2	98.2	177.6
Indonesia	58.7	65.8	7.9	12.8	8.0	43.3	74.6	121.9
Iran (Islamic Republic of)	53.0	51.4	25.4	6.3	7.3	3.4	85.6	61.0

TABLE 16.
INORGANIC FERTILIZER USE PER CROPLAND AREA BY NUTRIENT (KG PER HA) (CONTINUED)

COUNTRY	NITROGEN, AS N		PHOSPHORUS, AS P ₂ O ₅		POTASSIUM, AS K ₂ O		TOTAL	
	2000	2022	2000	2022	2000	2022	2000	2022
Iraq	55.7	31.1	26.0	14.2	0.8	1.3	82.5	46.5
Ireland	162.9	176.6	40.6	38.6	96.0	93.3	299.5	308.6
Israel	115.6	62.5	35.4	12.3	70.8	76.5	221.7	151.2
Italy	73.4	60.2	44.7	10.3	35.5	14.7	153.5	85.2
Jamaica	39.6	19.9	20.8	11.3	29.2	6.7	89.6	37.8
Japan	80.7	65.7	120.7	74.5	71.2	43.6	272.6	183.7
Jordan	33.8	49.7	16.0	6.7	24.3	9.7	74.2	66.2
Kazakhstan	1.0	2.4	0.2	1.3	0.1	0.1	1.2	3.9
Kenya	12.9	13.7	13.1	13.0	0.8	4.7	26.8	31.5
Kiribati		0.2		0.0		0.0		0.3
Kuwait	52.4	154.7		105.8		180.0		440.5
Kyrgyzstan	19.4	16.9	1.0	6.9	0.1	0.4	20.5	24.2
Lao People's Democratic Republic	3.2	25.7	2.4	9.0	0.4	35.5	6.0	70.2
Latvia	29.0	60.2	10.4	19.1	11.8	21.6	51.2	100.9
Lebanon	90.0	27.1	68.2	21.1	35.4	12.3	193.6	60.5
Lesotho	10.2	4.4	7.3	0.6	6.4	0.2	23.9	5.1
Liberia		7.7		3.1		2.9		13.8
Libya	14.7	6.7	8.4	6.3	2.5	0.7	25.6	13.7
Lithuania	33.6	56.1	6.9	16.4	12.0	22.1	52.4	94.7
Luxembourg		48.0		6.1		4.9		59.0
Madagascar	1.1	4.1	0.9	0.9	0.7	0.8	2.6	5.7
Malawi	12.0	15.1	4.0	4.7	1.3	2.8	17.3	22.6
Malaysia	52.4	42.9	30.0	19.1	96.2	98.7	178.6	160.6
Maldives		35.5		10.1		6.8		52.4
Mali	2.7	2.4	2.9	0.8	2.9	4.2	8.5	7.4
Malta	83.9	67.0	16.7	10.1	16.7	12.6	117.2	89.7
Marshall Islands								
Mauritania		7.7		3.1		2.9		13.8
Mauritius	141.5	70.4	64.9	14.6	171.8	35.0	378.2	120.0
Mexico	52.9	45.4	12.4	17.0	6.9	9.7	72.2	72.1
Micronesia (Federated States of)		0.2		0.2		0.2		0.5
Mongolia	2.9	0.0		0.0		0.0		0.0
Montenegro		73.1		24.0		25.7		122.8
Morocco	19.4	22.1	11.3	10.8	5.0	7.4	35.7	40.4
Mozambique	2.3	6.5	0.8	0.2	0.3	0.9	3.5	7.6
Myanmar	15.7	7.8	3.3	7.0	0.6	6.3	19.6	21.1
Namibia	0.1	14.4	0.2	0.1		0.2		14.7
Nauru		0.4		0.0		0.0		0.4
Nepal	21.0	41.0	7.4	18.3	1.3	3.4	29.6	62.8
Netherlands (Kingdom of the)	129.5	91.1	42.0	9.3	38.7	31.5	210.1	132.0
New Zealand	34.6	55.5	42.8	28.0	28.2	22.1	105.5	105.7
Nicaragua	6.6	28.4	5.0	6.8	1.9	14.4	13.4	49.5
Niger	0.2	0.4	0.1	0.1	0.1	0.1	0.3	0.5

TABLE 16.
INORGANIC FERTILIZER USE PER CROPLAND AREA BY NUTRIENT (KG PER HA) (CONTINUED)

COUNTRY	NITROGEN, AS N		PHOSPHORUS, AS P ₂ O ₅		POTASSIUM, AS K ₂ O		TOTAL	
	2000	2022	2000	2022	2000	2022	2000	2022
Nigeria	2.6	2.7	1.1	1.8	0.9	1.5	4.6	6.0
North Macedonia	32.1	31.1	19.5	5.5	15.0	4.1	66.6	40.8
Norway	115.4	129.8	33.9	25.4	69.0	50.0	218.3	205.1
Oman	54.1	106.9	13.8	18.0	11.0	120.0	78.9	244.9
Pakistan	71.4	118.5	21.3	24.0	0.7	1.0	93.5	143.5
Palau		3.5		0.1		0.1		3.7
Panama	22.0	33.5	7.9	4.7	14.9	11.6	44.9	49.7
Papua New Guinea	5.2	25.1	4.4	3.8	3.3	10.3	12.9	39.1
Paraguay	5.9	24.8	8.3	36.6	6.8	33.6	21.0	95.0
Peru	37.2	45.2	8.8	7.1	3.7	13.1	49.7	65.3
Philippines	50.2	71.5	12.8	35.9	12.6	35.3	75.5	142.7
Poland	50.0	63.2	20.0	25.1	23.8	36.4	93.8	124.7
Portugal	44.5	32.0	24.8	14.5	16.9	13.8	86.2	60.3
Qatar	31.3	64.9		44.5		100.9		210.2
Republic of Korea	214.6	158.6	84.3	56.1	109.5	66.5	408.4	281.1
Republic of Moldova	2.3	24.3	0.1	6.9		4.6		35.8
Romania	24.2	53.3	5.7	23.1	0.9	9.7	30.7	86.1
Russian Federation	7.6	17.6	2.2	5.9	1.4	4.3	11.3	27.8
Rwanda	0.1	9.3	0.1	8.9	0.1	4.5	0.2	22.8
Saint Kitts and Nevis	106.7	2.5	66.7	1.9	53.3	0.7	226.7	5.1
Saint Lucia	71.2	32.5	46.7	12.1	46.7	11.2	164.6	55.7
Saint Vincent and the Grenadines	260.0	24.1	69.5	4.8	72.6	8.5	402.1	37.4
Samoa		0.3		0.4		0.4		1.0
San Marino								
Sao Tome and Principe		2.5		0.9		1.3		4.6
Saudi Arabia	60.0	67.7	36.1	22.1	5.5	22.8	101.6	112.5
Senegal	4.8	13.5	3.3	0.9	3.3	3.8	11.3	18.1
Serbia		95.0		26.1		9.9		131.0
Seychelles	3.8	19.0	2.8	13.4	4.0	17.0	10.5	49.5
Sierra Leone	0.1	1.4	0.1	0.5	0.1	0.5	0.2	2.4
Singapore	84.4	65.2	47.2	22.2	42.8	41.3	174.4	128.6
Slovakia	52.1	86.1	12.2	17.8	10.7	13.5	75.0	117.4
Slovenia	102.5	71.7	63.1	16.5	71.2	14.9	236.7	103.1
Solomon Islands		0.2		0.2		5.7		6.1
Somalia	0.5	0.1		0.0		0.0		0.1
South Africa	26.4	39.3	11.9	23.3	8.7	17.0	46.9	79.6
South Sudan		0.0		0.0		0.0		0.0
Spain	60.8	44.4	31.0	14.4	25.6	18.3	117.4	77.1
Sri Lanka	82.5	50.3	15.9	5.8	30.9	33.0	129.3	89.1
Sudan		5.7		1.3		0.1		7.0
Suriname	79.1	142.7		16.3	7.5	16.3		175.2
Sweden	75.6	73.1	15.0	16.3	18.0	13.2	108.6	102.5
Switzerland	78.4		19.9		45.9		144.1	

TABLE 16.
INORGANIC FERTILIZER USE PER CROPLAND AREA BY NUTRIENT (KG PER HA) (CONTINUED)

COUNTRY	NITROGEN, AS N		PHOSPHORUS, AS P ₂ O ₅		POTASSIUM, AS K ₂ O		TOTAL	
	2000	2022	2000	2022	2000	2022	2000	2022
Syrian Arab Republic	44.1	3.4	22.7	1.5	1.5	0.4	68.3	5.2
Tajikistan	10.1	69.8		2.4		0.5		72.6
Thailand	43.8	50.8	18.2	8.9	12.0	22.3	74.0	82.0
Timor-Leste		0.4		0.0		0.2		0.7
Togo	3.7	8.4	2.3	2.1	2.3	2.1	8.3	12.5
Tonga		1.9		0.7		0.7		3.3
Trinidad and Tobago	121.3		11.4	21.5	20.7	52.5	153.4	
Tunisia	12.4	18.9	9.0	9.6	0.8	1.3	22.3	29.8
Türkiye	52.3	66.2	23.8	25.3	3.1	5.5	79.2	97.0
Turkmenistan	53.0	309.4		17.2	8.6	8.4		335.0
Tuvalu		1.3		0.9		0.9		3.1
Uganda	0.5	1.0	0.2	0.6	0.2	0.4	0.9	2.0
Ukraine	10.5	36.0	1.9	9.6	0.8	8.7	13.1	54.2
United Arab Emirates	96.4	124.3	20.2	40.2	25.5	15.3	142.1	179.9
United Kingdom of Great Britain and Northern Ireland	150.5	114.2	33.0	12.8	46.8	24.5	230.2	151.4
United Republic of Tanzania	1.4	10.7	0.6	4.3	0.2	1.6	2.2	16.6
United States of America	48.1	59.1	21.8	23.7	22.7	24.8	92.6	107.6
Uruguay	23.1	88.8	35.8	42.0	7.4	26.6	66.2	157.3
Uzbekistan	125.7	187.2	24.1	12.1	1.7	16.0	151.5	215.3
Vanuatu		0.0		0.0		7.8		7.8
Venezuela (Bolivarian Republic of)	51.6	34.9	15.6	2.6	15.9	2.6	83.1	40.1
Viet Nam	163.2	151.2	62.2	55.3	53.2	35.6	278.6	242.1
Yemen	8.9	3.7		1.2	0.2	1.1		6.0
Zambia	2.8	44.8	4.7	10.8	3.5	8.3	10.9	63.9
Zimbabwe	23.3	12.4	11.5	15.1	9.2	5.3	44.0	32.7

Source: FAO. 2024. FAOSTAT: Fertilizers by Nutrient. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/RFN>. Licence: CC-BY-4.0.

CHAPTER 2: PRODUCTION, TRADE AND PRICES OF COMMODITIES

TABLE 17.
PRODUCTION OF PRIMARY CROPS BY GROUP, 2022 (THOUSAND TONNES)

COUNTRY	CEREALS	SUGAR CROPS	VEGETABLES	OIL CROPS	FRUIT	ROOTS AND TUBERS	OTHER	TOTAL
World	3 059 640	2 183 931	1 173 070	1 143 255	933 037	906 846	208 823	9 608 602
Africa	218 144	113 189	88 516	70 209	133 706	368 500	40 763	1 033 028
Americas	779 936	1 004 684	73 566	377 773	164 405	76 158	30 791	2 507 313
Asia	1 481 015	859 328	926 957	586 306	544 781	360 035	119 265	4 877 688
Europe	523 230	176 069	80 722	93 407	82 324	98 120	13 246	1 067 117
Oceania	57 315	30 661	3 308	15 561	7 820	4 033	4 758	123 457
Afghanistan	4 825	64	1 308	154	3 501	889	161	10 902
Albania	691	21	1 044	160	870	263	46	3 095
Algeria	4 718	0	8 000	864	6 975	4 300	189	25 047
Andorra								
Angola	3 174	1 125	1 956	568	6 120	12 923	382	26 247
Antigua and Barbuda	0	0	1	0	8	0	0	10
Argentina	91 584	16 583	3 897	50 820	7 074	2 544	2 594	175 096
Armenia	240	65	611	0	693	351	8	1 967
Australia	56 307	28 669	1 780	9 845	3 299	1 186	4 589	105 675
Austria	5 206	2 710	613	435	693	686	55	10 396
Azerbaijan	3 056	211	1 825	375	1 795	1 074	123	8 459
Bahamas	1	62	33	3	49	3	0	151
Bahrain	0	0	21	0	23	0	0	44
Bangladesh	62 550	3 302	7 750	1 098	5 554	10 449	3 804	94 506
Barbados	0	96	13	2	6	4	2	123
Belarus	6 801	4 227	1 944	814	757	3 857	393	18 794
Belgium	2 780	4 744	2 123	37	648	3 578	50	13 959
Belize	147	1 804	13	29	164	2	11	2 170
Benin	2 297	81	806	1 883	666	7 624	544	13 901
Bhutan	71	0	27	0	27	67	23	216
Bolivia (Plurinational State of)	2 616	9 659	481	3 713	1 549	1 515	279	19 811
Bosnia and Herzegovina	1 431	2	702	50	704	313	67	3 269
Botswana	85	0	81	3	24	109	8	310
Brazil	135 485	724 428	8 704	134 061	41 667	22 638	8 362	1 075 347
Brunei Darussalam	4	0	9	0	8	1	0	24
Bulgaria	9 791	0	347	2 454	485	172	39	13 287
Burkina Faso	5 179	502	1 413	1 695	1 427	224	1 270	11 710
Burundi	466	188	507	102	1 402	3 818	582	7 065
Cabo Verde	0	23	28	6	7	9	7	81
Cambodia	12 787	778	645	624	542	17 778	667	33 822
Cameroon	3 844	1 195	3 048	3 945	6 236	9 700	1 148	29 115
Canada	65 040	1 279	2 387	26 009	999	6 248	6 232	108 194
Central African Republic	294	130	107	852	311	1 725	361	3 781
Chad	2 799	481	107	1 192	128	1 032	202	5 942
Chile	2 589	675	2 050	270	6 439	1 040	321	13 383
China	635 093	112 838	618 556	78 944	262 794	149 513	27 310	1 885 048
Colombia	4 570	35 071	2 521	8 331	11 637	4 053	970	67 153

TABLE 17.
PRODUCTION OF PRIMARY CROPS BY GROUP, 2022 (THOUSAND TONNES) (CONTINUED)

COUNTRY	CEREALS	SUGAR CROPS	VEGETABLES	OIL CROPS	FRUIT	ROOTS AND TUBERS	OTHER	TOTAL
Comoros	19	0	20	88	85	116	18	346
Congo	30	721	58	191	275	1 645	37	2 958
Costa Rica	110	3 898	196	1 204	6 389	228	101	12 127
Côte d'Ivoire	3 355	2 114	769	3 701	3 080	14 089	4 827	31 935
Croatia	3 024	572	891	449	266	103	15	5 320
Cuba	356	10 635	1 393	29	1 743	1 258	112	15 525
Cyprus	61	0	51	21	119	90	1	343
Czechia	8 218	4 055	196	1 329	253	655	129	14 837
Democratic People's Republic of Korea	4 662	0	3 264	215	1 825	1 102	462	11 530
Democratic Republic of the Congo	4 043	2 348	587	2 961	6 725	50 577	526	67 767
Denmark	9 464	2 292	227	889	59	2 618	166	15 716
Djibouti	0	0	37	0	5	0	10	52
Dominica	0	5	9	8	55	48	2	128
Dominican Republic	1 212	5 618	994	797	6 236	420	185	15 462
Ecuador	2 928	7 745	467	2 350	8 168	428	451	22 537
Egypt	23 938	29 534	15 820	1 650	14 289	6 827	404	92 463
El Salvador	953	7 748	134	85	303	95	143	9 461
Equatorial Guinea	0	0	0	50	72	218	5	345
Eritrea	305	0	56	23	5	52	37	478
Estonia	1 529	0	18	223	8	73	123	1 974
Eswatini	130	5 813	13	3	154	76	4	6 194
Ethiopia	31 616	393	1 667	1 104	1 694	4 019	4 527	45 020
Fiji	15	1 639	66	19	49	179	17	1 983
Finland	3 684	380	255	58	27	562	112	5 078
France	59 927	31 497	5 155	6 782	9 509	8 067	966	121 904
Gabon	47	291	52	67	394	634	26	1 511
Gambia	107	0	13	93	10	12	5	240
Georgia	378	0	131	6	597	199	54	1 365
Germany	43 479	28 201	3 362	4 585	2 607	10 683	660	93 577
Ghana	5 137	156	812	3 881	6 540	38 153	2 055	56 733
Greece	3 203	5	1 580	255	4 484	392	355	10 275
Grenada	0	6	5	7	18	3	2	42
Guatemala	2 027	26 080	1 431	3 131	7 219	589	659	41 135
Guinea	4 110	322	567	2 011	1 429	4 313	406	13 158
Guinea-Bissau	301	7	41	255	112	181	120	1 018
Guyana	934	1 092	220	24	355	132	50	2 808
Haiti	340	1 458	149	49	1 390	879	137	4 403
Honduras	751	5 475	382	2 144	1 515	91	457	10 815
Hungary	9 061	470	640	1 934	1 079	199	38	13 420
Iceland	9	0	6	0	0	7	0	22
India	355 088	439 425	145 120	66 271	111 590	63 573	48 758	1 229 827
Indonesia	78 313	32 599	13 579	274 902	24 790	16 332	6 624	447 139
Iran (Islamic Republic of)	14 813	13 000	10 390	892	15 991	2 600	1 338	59 023

TABLE 17.
PRODUCTION OF PRIMARY CROPS BY GROUP, 2022 (THOUSAND TONNES) (CONTINUED)

COUNTRY	CEREALS	SUGAR CROPS	VEGETABLES	OIL CROPS	FRUIT	ROOTS AND TUBERS	OTHER	TOTAL
Iraq	3 422	32	1 484	40	2 125	271	17	7 390
Ireland	2 486	0	190	77	31	368	62	3 214
Israel	202	0	1 065	205	1 631	520	24	3 647
Italy	14 301	1 110	10 345	3 425	18 122	1 333	466	49 102
Jamaica	2	481	320	113	418	337	36	1 708
Japan	11 631	4 853	10 196	264	3 011	3 187	432	33 574
Jordan	66	0	1 609	167	607	197	5	2 651
Kazakhstan	22 041	306	4 654	3 446	2 999	4 080	621	38 147
Kenya	3 754	8 708	3 460	146	4 350	3 203	3 299	26 920
Kiribati	0	0	6	181	9	2	0	198
Kuwait	27	0	339	1	115	35	0	517
Kyrgyzstan	1 913	468	1 135	96	426	1 257	186	5 480
Lao People's Democratic Republic	4 058	1 502	1 510	70	1 160	9 588	524	18 412
Latvia	3 244	0	55	360	16	130	146	3 951
Lebanon	133	6	682	147	1 010	677	62	2 716
Lesotho	82	0	33	0	15	129	7	267
Liberia	288	278	121	209	214	710	135	1 954
Libya	210	0	696	158	684	321	46	2 115
Lithuania	5 624	728	190	910	67	226	392	8 137
Luxembourg	171	0	5	8	14	15	1	214
Madagascar	4 803	3 191	468	157	1 287	4 021	279	14 207
Malawi	4 025	3 112	1 903	639	3 758	15 756	1 121	30 314
Malaysia	2 428	25	1 351	93 476	1 609	127	543	99 558
Maldives	0	0	3	0	3	0	2	8
Mali	10 289	689	2 605	1 300	2 418	974	562	18 836
Malta	0	0	37	0	12	7	0	56
Marshall Islands	0	0	0	22	0	0	0	22
Mauritania	555	0	5	3	28	10	53	655
Mauritius	1	2 257	79	1	22	20	8	2 387
Mexico	36 317	55 280	15 580	4 137	24 735	2 262	2 231	140 543
Micronesia (Federated States of)	0	0	4	96	3	12	0	115
Mongolia	429	0	149	49	3	214	7	850
Montenegro	7	0	20	0	62	25	3	116
Morocco	3 510	2 470	4 265	2 030	6 583	1 780	466	21 104
Mozambique	2 506	2 969	2 225	722	831	7 060	1 029	17 343
Myanmar	27 210	11 966	4 907	4 397	2 679	764	4 422	56 344
Namibia	174	0	66	1	69	383	23	715
Nauru	0	0	0	2	0	0	0	3
Nepal	11 128	3 160	4 244	336	1 734	3 569	945	25 117
Netherlands (Kingdom of the)	1 638	7 257	4 810	7	714	6 916	29	21 371
New Zealand	967	0	807	5	1 852	440	32	4 103
Nicaragua	949	7 351	228	745	616	411	413	10 714

TABLE 17.
PRODUCTION OF PRIMARY CROPS BY GROUP, 2022 (THOUSAND TONNES) (CONTINUED)

COUNTRY	CEREALS	SUGAR CROPS	VEGETABLES	OIL CROPS	FRUIT	ROOTS AND TUBERS	OTHER	TOTAL
Niger	5 924	650	3 547	825	745	1 065	3 005	15 761
Nigeria	30 393	1 526	16 094	19 774	16 932	135 434	5 722	225 874
North Macedonia	542	4	706	22	648	197	60	2 179
Norway	1 325	0	186	10	31	376	6	1 934
Oman	209	2	826	0	522	13	1	1 573
Pakistan	47 718	88 010	5 964	3 902	9 087	8 479	925	164 085
Palau								
Panama	515	2 314	114	266	1 114	84	26	4 434
Papua New Guinea	18	349	581	4 295	2 472	1 890	106	9 711
Paraguay	7 907	6 538	157	4 950	749	2 674	179	23 154
Peru	5 643	9 584	3 084	1 717	8 143	7 964	904	37 040
Philippines	28 013	23 455	6 767	15 509	16 592	3 361	935	94 631
Poland	34 988	14 154	4 832	3 651	5 360	6 031	927	69 943
Portugal	1 018	0	2 152	804	2 137	320	98	6 529
Qatar	3	0	98	0	32	1	0	133
Republic of Korea	5 206	0	9 249	198	3 152	920	160	18 884
Republic of Moldova	1 758	478	230	737	1 231	172	49	4 654
Romania	18 860	281	1 258	3 599	2 383	1 346	175	27 901
Russian Federation	153 096	48 908	13 231	29 112	6 771	18 888	4 777	274 782
Rwanda	807	98	675	50	3 258	3 914	651	9 453
Saint Kitts and Nevis	0	0	1	4	2	1	0	7
Saint Lucia	0	0	3	11	19	5	0	38
Saint Vincent and the Grenadines	1	0	5	3	74	14	4	100
Samoa	0	0	1	63	45	26	1	136
San Marino								
Sao Tome and Principe	1	0	4	21	52	14	3	94
Saudi Arabia	1 069	0	1 731	394	2 890	605	15	6 704
Senegal	3 664	1 222	1 013	1 705	1 820	1 683	170	11 277
Serbia	8 037	1 667	714	1 134	1 876	531	90	14 049
Seychelles	0	0	3	5	3	0	0	11
Sierra Leone	1 535	82	423	477	279	2 230	128	5 154
Singapore	0	0	23	0	0	0	0	23
Slovakia	3 383	1 097	121	726	86	131	39	5 583
Slovenia	576	4	86	19	146	58	5	895
Solomon Islands	3	0	6	485	29	202	11	736
Somalia	178	222	108	64	226	107	27	931
South Africa	18 686	17 991	2 559	2 316	8 773	2 617	190	53 131
South Sudan	1 063	0	505	497	519	1 652	46	4 282
Spain	19 292	2 001	11 834	5 170	16 543	1 882	824	57 546
Sri Lanka	3 652	877	1 176	2 246	1 889	401	2 172	12 412
Sudan	7 456	4 451	3 290	4 205	3 478	957	569	24 406
Suriname	266	100	10	8	52	7	0	443
Sweden	5 823	1 893	336	436	51	852	164	9 554

TABLE 17.
PRODUCTION OF PRIMARY CROPS BY GROUP, 2022 (THOUSAND TONNES) (CONTINUED)

COUNTRY	CEREALS	SUGAR CROPS	VEGETABLES	OIL CROPS	FRUIT	ROOTS AND TUBERS	OTHER	TOTAL
Switzerland	866	1 353	403	113	405	390	17	3 547
Syrian Arab Republic	2 276	60	1 617	1 151	2 083	555	240	7 983
Tajikistan	1 324	0	2 327	549	1 408	903	84	6 595
Thailand	39 730	92 096	2 726	19 944	10 898	34 556	5 879	205 829
Timor-Leste	163	0	35	35	18	51	23	324
Togo	1 440	0	150	951	67	2 246	294	5 148
Tonga	0	0	28	65	9	24	0	127
Trinidad and Tobago	5	0	16	17	74	6	3	122
Tunisia	1 714	92	2 859	1 219	2 416	400	221	8 921
Türkiye	38 667	19 000	26 607	8 827	25 683	5 200	4 952	128 936
Turkmenistan	1 223	143	680	1 201	1 074	699	28	5 049
Tuvalu	0	0	1	2	1	0	0	4
Uganda	3 877	5 892	1 359	872	10 506	3 766	2 149	28 421
Ukraine	53 536	9 941	7 529	18 154	2 421	20 899	454	112 934
United Arab Emirates	23	0	345	0	424	2	1	795
United Kingdom of Great Britain and Northern Ireland	24 362	6 015	2 348	1 409	750	4 797	1 069	40 752
United Republic of Tanzania	10 271	3 535	2 767	3 596	5 714	11 639	2 414	39 937
United States of America	410 941	61 007	27 126	130 683	21 347	18 970	5 694	675 768
Uruguay	3 877	515	179	1 267	499	128	10	6 475
Uzbekistan	7 517	2	11 218	3 627	6 398	3 443	209	32 414
Vanuatu	1	0	14	369	23	54	1	462
Venezuela (Bolivarian Republic of)	1 868	2 097	1 225	786	3 322	1 071	214	10 584
Viet Nam	47 097	11 083	17 836	2 421	12 188	11 936	6 041	108 601
Yemen	454	0	590	25	1 336	337	462	3 205
Zambia	3 057	4 877	437	768	129	3 682	157	13 107
Zimbabwe	1 888	3 453	235	311	365	348	286	6 886

Source: FAO. 2023. FAOSTAT: Production: Crops and livestock products. [Accessed on 15 November 2024].
<https://www.fao.org/faostat/en/#data/QCL>. Licence: CC-BY-4.0.

TABLE 18.
PRODUCTION VALUE OF PRIMARY CROPS BY GROUP, 2022 (USD MILLION, 2014–2016 PRICES)

COUNTRY	CEREALS	VEGETABLES	FRUIT	OIL CROPS	ROOTS AND TUBERS	SUGAR CROPS	OTHER	TOTAL
World	859 586	559 416	480 015	374 679	212 009	101 231	312 794	2 899 730
Africa	61 989	35 768	43 603	17 075	85 209	5 855	32 024	281 524
Americas	126 599	40 992	65 212	141 834	17 480	28 063	57 117	477 297
Asia	565 912	423 874	307 514	162 468	87 728	58 767	210 099	1 816 360
Europe	93 020	56 251	57 712	49 374	20 664	7 528	8 741	293 289
Oceania	12 065	2 531	5 974	3 929	930	1 018	4 813	31 259
Afghanistan								
Albania	220	470	390	170	77	1	103	1 431
Algeria	1 182	4 194	9 321	334	1 736		174	16 942
Andorra								
Angola	992	405	1 938	187	2 557		416	6 494
Antigua and Barbuda	0	2	4		1		0	6
Argentina	13 529	2 038	1 792	16 007	1 100	673	1 427	36 566
Armenia	41	169	268		106	4	21	609
Australia	11 775	1 707	3 966	3 802	579	971	4 755	27 556
Austria	774	370	529	289	137	93	97	2 289
Azerbaijan	851	922	894	96	414	9	257	3 444
Bahamas								
Bahrain								
Bangladesh	13 954	1 998	1 403	438	1 859	145	3 737	23 533
Barbados	0	22	10	2	6	3	6	48
Belarus	1 167	813	423	229	525	138	218	3 512
Belgium	408	1 763	464	7	472	142	0	3 257
Belize	36	12	53	8	2	76	12	198
Benin	856	319		192	3 016		211	4 594
Bhutan	44	21	23	0	36	0	66	191
Bolivia (Plurinational State of)	967	111	361	1 108	423	2 195	209	5 374
Bosnia and Herzegovina	259	411	239	11	87	0	114	1 121
Botswana	39		1	0			9	50
Brazil	20 250	4 542	12 378	53 468	4 149	15 857	15 530	126 175
Brunei Darussalam	4	19	13	0	3		1	40
Bulgaria	2 065	161	188	956	46		36	3 453
Burkina Faso	1 026	415	187	484	60	32	578	2 782
Burundi	174	167	438	99	1 053	8	262	2 201
Cabo Verde	0	65	10	5	19	4	19	122
Cambodia	3 324	426	399	161	2 981	2 852	320	10 463
Cameroon	1 352	1 052	1 526	981	2 728		1 501	9 142
Canada	8 129	1 361	766	7 795	1 461	87	1 894	21 493
Central African Republic	181		21		828		0	1 029
Chad	1 092	91	87	1 005	510	20	251	3 055
Chile	564	1 527	7 333	74	453	34	489	10 473
China	268 583	293 488	170 041	68 617	47 017	35 645	105 555	988 947
Colombia	1 768	986	4 980	4 282	1 306	1 035	1 843	16 199

TABLE 18.
PRODUCTION VALUE OF PRIMARY CROPS BY GROUP, 2022 (USD MILLION, 2014–2016 PRICES) (CONTINUED)

COUNTRY	CEREALS	VEGETABLES	FRUIT	ROOTS AND TUBERS	SUGAR CROPS	OIL CROPS	OTHER	TOTAL
Comoros								
Congo	23	113	281	84	2 243	124	33	2 901
Costa Rica	115	149	3 445	94	66	160	272	4 302
Côte d'Ivoire	1 705	206	1 350	577	2 363	91	6 187	12 479
Croatia	554	66	136	172	25	24	20	997
Cuba								
Cyprus	16	41	57	20	40		2	177
Czechia	1 527	117	122	503	162	150	98	2 680
Democratic People's Republic of Korea								
Democratic Republic of the Congo								
Denmark	1 526	145	59	279	679	112	8	2 806
Djibouti								
Dominica								
Dominican Republic	426	277	1 159	214	167	2 177	339	4 759
Ecuador	1 072	196	2 080	348	114	319	875	5 005
Egypt	7 239	2 720	4 199	864	1 149	1 566	352	18 089
El Salvador	359	62	92	22	34	206	311	1 087
Equatorial Guinea			32	13	77		9	130
Eritrea	412	64	4	26	92		58	656
Estonia	212	13	7	90	29		19	369
Eswatini								
Ethiopia	8 897	680	439	625	344	101	2 705	13 791
Fiji	7	120	25	8	103	46	16	326
Finland	438	287	114	18	114	17	16	1 004
France	12 030	6 371	13 787	2 496	2 903	1 104	442	39 133
Gabon								
Gambia	46	2	2	21	7		1	79
Georgia	103	47	219	3	71		218	661
Germany	7 535	2 634	2 441	1 511	2 142	1 696	373	18 333
Ghana	1 685	937	1 880	1 070	10 451	2	1 442	17 467
Greece	783	1 381	2 352	7 801	214	1	1 270	13 802
Grenada	0	13	20	11	5	3	6	58
Guatemala								
Guinea	730	6	68	381	262	4	219	1 672
Guinea-Bissau	210		30		823		1	1 064
Guyana		138	188	5	37		77	445
Haiti								
Honduras	240	148	352	346	21	86	1 053	2 245
Hungary	2 302	287	535	1 071	64	22	37	4 318
Iceland	2	16			6		0	24
India	128 206	50 555	54 827	27 237	11 087	8 633	41 689	322 234
Indonesia	43 040	12 768	11 638	31 863	4 480	1 408	6 251	111 449
Iran (Islamic Republic of)	6 618	2 206	9 791	649	552	809	8 157	28 783

TABLE 18.
PRODUCTION VALUE OF PRIMARY CROPS BY GROUP, 2022 (USD MILLION, 2014–2016 PRICES) (CONTINUED)

COUNTRY	CEREALS	VEGETABLES	FRUIT	ROOTS AND TUBERS	SUGAR CROPS	OIL CROPS	OTHER	TOTAL
Iraq	2 468	1 012	1 043	25	254		10	4 812
Ireland	542	223	22	52	126		1	967
Israel	125	1 141	2 115	126	363		96	3 966
Italy	4 323	9 345	8 561	5 549	613	80	1 013	29 485
Jamaica	7	296	464	14	331	18	102	1 231
Japan	19 270	14 964	8 534	446	4 502	676	5 407	53 798
Jordan	46	588	383	177	79		5	1 278
Kazakhstan	2 303	1 781	760	737	886	13	100	6 580
Kenya	1 400	1 093	1 271	30	1 217	260	8 910	14 181
Kiribati								
Kuwait	22	97	131	1	13		0	264
Kyrgyzstan	347	411	80	26	343	18	192	1 416
Lao People's Democratic Republic	1 285	1 370	693	88	637	224	231	4 528
Latvia	500	31	7	164	20		7	730
Lebanon	42	429	978	175	291	3	152	2 071
Lesotho								
Liberia								
Libya								
Lithuania	946	98	41	356	37	32	51	1 560
Luxembourg	24	4	21	2	5		0	56
Madagascar	999	141	301	80	560	252	476	2 809
Malawi	1 419	609	905	444	5 247	306	716	9 647
Malaysia	797	789	434	12 918	41	6	982	15 967
Maldives		1	1	0	0		0	1
Mali	1 991	2 236	1 340	523	434	16	232	6 772
Malta		18	9	0	3		0	30
Marshall Islands								
Mauritania								
Mauritius	0	55	11	1	12	110	6	195
Mexico	7 740	5 837	8 295	889	922	1 743	2 569	27 994
Micronesia (Federated States of)								
Mongolia	153	91			95		8	347
Montenegro								
Morocco	2 796	1 355	3 663	928	339	112	423	9 616
Mozambique	786	1 714	351	268	1 574	20	674	5 387
Myanmar								
Namibia	53	15	46	0	61		15	189
Nauru								
Nepal	2 833	1 660	455	304	996	151	601	7 001
Netherlands (Kingdom of the)	241	3 314	762	2	1 007	302	5	5 632
New Zealand	278	665	1 880	2	186		33	3 044
Nicaragua	340	81	148	248	103	152	741	1 813
Niger	1 526	1 807	119	453	475	95	339	4 814

TABLE 18.
PRODUCTION VALUE OF PRIMARY CROPS BY GROUP, 2022 (USD MILLION, 2014–2016 PRICES) (CONTINUED)

COUNTRY	CEREALS	VEGETABLES	FRUIT	ROOTS AND TUBERS	SUGAR CROPS	OIL CROPS	OTHER	TOTAL
Nigeria	10 872	11 705	3 251	3 374	35 818	179	2 095	67 295
North Macedonia	115	324	142	12	51	0	132	777
Norway	412	319	97	6	135		1	970
Oman	25	246	82		5	0	0	358
Pakistan	15 558	1 868	4 508	2 290	1 926	3 227	3 392	32 769
Palau								
Panama	296	96	370	110	82	53	43	1 050
Papua New Guinea								
Paraguay	993	104	264	3 994	216	171	133	5 875
Peru	2 484	1 464	2 063	301	2 004	357	1 501	10 175
Philippines	10 378	2 480	4 550	2 371	623	1 681	866	22 949
Poland	5 694	1 856	1 322	1 285	770	517	238	11 682
Portugal	254	1 735	2 408	578	115		174	5 264
Qatar	1	66	26		0		0	93
Republic of Korea	9 108	13 385	3 966	641	283		615	27 998
Republic of Moldova	617	50	237	361	29	28	35	1 356
Romania	5 500	1 298	2 080	1 748	507	31	393	11 557
Russian Federation	17 107	7 687	4 272	8 068	4 302	1 962	1 124	44 522
Rwanda	375	265	1 708	41	1 043	6	340	3 778
Saint Kitts and Nevis		1	0	7	2		0	11
Saint Lucia		6	19	19	6		2	51
Saint Vincent and the Grenadines	1	3	48	3	17		23	96
Samoa			51	15	19		0	86
San Marino								
Sao Tome and Principe								
Saudi Arabia	328	1 426	5 537	8	390		10	7 699
Senegal	986	246	835	601	478	18	147	3 311
Serbia	1 561	288	835	416	139	72	100	3 410
Seychelles		2	4	9	0		0	14
Sierra Leone	1 384	599	143	107	1 561		32	3 826
Singapore		28	0	0	0		0	28
Slovakia	727	72	58	318	46	53	9	1 283
Slovenia	114	65	72	6	16	0	20	293
Solomon Islands								
Somalia								
South Africa	4 046	1 074	4 843	1 154	643	654	1 086	13 499
South Sudan								
Spain	5 363	7 847	12 204	6 412	581	109	1 532	34 048
Sri Lanka	1 608	1 008	340	955	149	26	2 057	6 144
Sudan								
Suriname	44	17	45	8	5	6	0	125
Sweden	827	201	79	135	269	64	7	1 582
Switzerland	327	599	632	75	174	71	29	1 909

TABLE 18.
PRODUCTION VALUE OF PRIMARY CROPS BY GROUP, 2022 (USD MILLION, 2014–2016 PRICES) (CONTINUED)

COUNTRY	CEREALS	VEGETABLES	FRUIT	ROOTS AND TUBERS	SUGAR CROPS	OIL CROPS	OTHER	TOTAL
Syrian Arab Republic								
Tajikistan	378	566	582	155	215		183	2 078
Thailand	9 188	1 508	4 800	3 415	2 296	1 602	8 875	31 684
Timor-Leste	142	8	8	1	15		49	223
Togo	437	113	32	224	640		239	1 686
Tonga								
Trinidad and Tobago	2	38	58	14	10		10	132
Tunisia	461	692	1 367	381	110	2	242	3 255
Türkiye	9 188	12 619	11 680	6 521	1 972	1 146	10 871	53 996
Turkmenistan	560	159	215	535	233	7	344	2 053
Tuvalu								
Uganda								
Ukraine	11 803	2 563	784	7 797	2 829	401	367	26 545
United Arab Emirates								
United Kingdom of Great Britain and Northern Ireland	4 221	3 010	1 280	428	1 207	305	653	11 104
United Republic of Tanzania	3 171	289	1 393	1 250	1 907		1 082	9 092
United States of America	66 377	21 215	17 858	51 769	4 296	2 651	27 638	191 804
Uruguay	857	214	384	675	135	2	2	2 270
Uzbekistan								
Vanuatu	1	20	18	86	20		9	155
Venezuela (Bolivarian Republic of)								
Viet Nam	14 290	642	4 738	1 314	2 221	481	8 245	31 933
Yemen	666	431	1 145	39	217		494	2 991
Zambia	692	64	5	142	2 740		22	3 665
Zimbabwe	754	260	200	117	31	1 873	518	3 754

Source: FAO. 2024. FAOSTAT: Value of Agricultural Production. [Accessed on 15 November 2024].

<https://www.fao.org/faostat/en/#data/QV>. Licence: CC-BY-4.0.

TABLE 19.
PRODUCTION OF PRIMARY CROPS MAIN COMMODITIES, 2022 (THOUSAND TONNES)

COUNTRY	SUGAR CANE	MAIZE	WHEAT	RICE, PADDY	OIL PALM FRUIT	POTATOES	OTHER CROPS	TOTAL
World	1 922 060	1 163 497	808 442	776 461	424 587	374 778	4 138 777	9 608 602
Africa	97 631	92 801	27 311	39 877	26 741	27 148	721 518	1 033 028
Americas	973 119	577 472	118 988	34 053	24 401	44 639	734 641	2 507 313
Asia	820 649	389 893	342 779	698 768	370 046	203 338	2 052 216	4 877 688
Europe		102 694	282 724	3 056		98 113	580 531	1 067 117
Oceania	30 661	638	36 640	708	3 399	1 540	49 871	123 457
Afghanistan	58	311	3 810	592		889	5 242	10 902
Albania		401	233	0		263	2 197	3 095
Algeria		11	3 000	0		4 300	17 735	25 047
Andorra								
Angola	1 125	3 090	3	11	281	502	21 235	26 247
Antigua and Barbuda	0	0					10	10
Argentina	16 583	59 037	22 150	1 222		2 223	73 879	175 096
Armenia		5	139	0		351	1 472	1 967
Australia	28 669	430	36 237	691		1 109	38 538	105 675
Austria		2 114	1 713			686	5 884	10 396
Azerbaijan		270	1 691	11		1 074	5 414	8 459
Bahamas	62	1				0	88	151
Bahrain						0	44	44
Bangladesh	3 087	4 262	1 086	57 189		10 145	18 737	94 506
Barbados	96	0					27	123
Belarus		975	2 350			3 857	11 611	18 794
Belgium		500	1 852	0		3 578	8 029	13 959
Belize	1 804	111		15		1	239	2 170
Benin	81	1 620		525	734	0	10 941	13 901
Bhutan	0	26	1	41		31	117	216
Bolivia (Plurinational State of)	9 659	986	311	609		1 244	7 003	19 811
Bosnia and Herzegovina		987	281			313	1 687	3 269
Botswana		40	1			3	266	310
Brazil	724 428	109 421	10 343	10 776	2 952	3 890	213 537	1 075 347
Brunei Darussalam	0			4			19	24
Bulgaria		2 554	6 448	64		172	4 049	13 287
Burkina Faso	502	1 810		439		29	8 930	11 710
Burundi	188	280	9	127	89	355	6 017	7 065
Cabo Verde	23	0				4	54	81
Cambodia	778	1 163		11 624	451		19 806	33 822
Cameroon	1 195	2 200	1	343	2 822	372	22 183	29 115
Canada		14 539	34 335			6 248	53 072	108 194
Central African Republic	130	214		52	6	1	3 378	3 781
Chad	481	364	1	232		36	4 827	5 942
Chile		608	1 107	101		1 025	10 543	13 383
China	103 905	277 416	137 726	210 071	670	95 631	1 059 629	1 885 048
Colombia	35 041	1 921	13	2 620	8 030	2 526	17 002	67 153

TABLE 19.
PRODUCTION OF PRIMARY CROPS MAIN COMMODITIES, 2022 (THOUSAND TONNES) (CONTINUED)

COUNTRY	SUGAR CANE	MAIZE	WHEAT	RICE, PADDY	OIL PALM FRUIT	POTATOES	OTHER CROPS	TOTAL
Comoros		19		0		3	323	346
Congo	721	13		1	158	7	2 058	2 958
Costa Rica	3 898	7		104	1 168	78	6 873	12 127
Côte d'Ivoire	2 114	1 199		1 993	2 800	0	23 829	31 935
Croatia		1 642	971	0		103	2 603	5 320
Cuba	10 635	167		184		93	4 446	15 525
Cyprus			33	0		90	220	343
Czechia		639	5 189	0		655	8 354	14 837
Democratic People's Republic of Korea		2 300	70	2 061		535	6 564	11 530
Democratic Republic of the Congo	2 348	2 284	9	1 692	2 291	107	59 037	67 767
Denmark		61	4 165	0		2 618	8 872	15 716
Djibouti	0	0					52	52
Dominica	5	0				0	122	128
Dominican Republic	5 618	63		1 149	318	92	8 221	15 462
Ecuador	7 740	1 641	7	1 253	2 296	251	9 348	22 537
Egypt	15 977	7 500	9 700	5 800		6 155	47 330	92 463
El Salvador	7 748	840		23		8	843	9 461
Equatorial Guinea					41		305	345
Eritrea		20	25			0	433	478
Estonia		0	854	0		73	1 047	1 974
Eswatini	5 813	127	1	1		8	244	6 194
Ethiopia	393	10 200	7 000	208		1 294	25 925	45 020
Fiji	1 639	2		13		0	330	1 983
Finland		0	864	0		562	3 652	5 078
France		10 877	34 632	64		8 067	68 263	121 904
Gabon	291	45		2	23		1 149	1 511
Gambia		20		45	35		141	240
Georgia		153	157			199	857	1 365
Germany		3 837	22 587	0		10 683	56 469	93 577
Ghana	156	3 256		1 283	2 504		49 535	56 733
Greece		1 341	1 203	215		392	7 124	10 275
Grenada	6	0					36	42
Guatemala	26 080	1 950	0	32	3 030	585	9 458	41 135
Guinea	322	815		2 523	884	458	8 157	13 158
Guinea-Bissau	7	20		224	81		686	1 018
Guyana	1 092	4		930			782	2 808
Haiti	1 458	185		140		35	2 585	4 403
Honduras	5 475	684	1	51	2 124	27	2 454	10 815
Hungary		2 766	4 355	10		199	6 090	13 420
Iceland						7	15	22
India	439 425	33 730	107 742	196 246		56 176	396 508	1 229 827
Indonesia	32 400	23 564		54 749	256 830	1 504	78 092	447 139

TABLE 19.
PRODUCTION OF PRIMARY CROPS MAIN COMMODITIES, 2022 (THOUSAND TONNES) (CONTINUED)

COUNTRY	SUGAR CANE	MAIZE	WHEAT	RICE, PADDY	OIL PALM FRUIT	POTATOES	OTHER CROPS	TOTAL
Iran (Islamic Republic of)	8 000	300	10 000	1 500		2 600	36 623	59 023
Iraq	0	496	2 765	12		271	3 847	7 390
Ireland		0	701	0		368	2 144	3 214
Israel		50	105			488	3 005	3 647
Italy		4 697	6 610	1 237		1 333	35 225	49 102
Jamaica	481	2		0		19	1 206	1 708
Japan	1 308	0	994	10 364		2 106	18 802	33 574
Jordan		0	30			197	2 424	2 651
Kazakhstan		1 098	16 404	431		4 080	16 132	38 147
Kenya	8 708	3 087	271	192		1 754	12 908	26 920
Kiribati							198	198
Kuwait		22	0			35	460	517
Kyrgyzstan		733	593	44		1 257	2 854	5 480
Lao People's Democratic Republic	1 502	463		3 595		4	12 849	18 412
Latvia		0	2 539	0		130	1 282	3 951
Lebanon	0	3	100			676	1 937	2 716
Lesotho		72	6			129	59	267
Liberia	278			288	190		1 198	1 954
Libya		4	130			321	1 660	2 115
Lithuania		100	4 483	0		226	3 328	8 137
Luxembourg		1	86	0		15	112	214
Madagascar	3 191	215	2	4 585	21	252	5 940	14 207
Malawi	3 112	3 717	1	147		1 465	21 873	30 314
Malaysia	25	63		2 364	92 500		4 606	99 558
Maldives		0					8	8
Mali	678	3 905	34	2 865		285	11 070	18 836
Malta		0	0	0		7	49	56
Marshall Islands							22	22
Mauritania		18	5	403		2	226	655
Mauritius	2 257	1		0		14	115	2 387
Mexico	55 279	26 626	3 578	247	1 619	1 870	51 323	140 543
Micronesia (Federated States of)		0		0			115	115
Mongolia			402			214	235	850
Montenegro		3	2			25	87	116
Morocco	572	36	2 708	49		1 768	15 971	21 104
Mozambique	2 969	1 952	16	365		73	11 967	17 343
Myanmar	11 507	2 100	100	24 680		426	17 531	56 344
Namibia		99	25			14	577	715
Nauru							3	3
Nepal	3 160	3 106	2 145	5 487		3 411	7 809	25 117
Netherlands (Kingdom of the)		177	1 163	0		6 916	13 115	21 371
New Zealand		188	403	0		428	3 084	4 103

TABLE 19.
PRODUCTION OF PRIMARY CROPS MAIN COMMODITIES, 2022 (THOUSAND TONNES) (CONTINUED)

COUNTRY	SUGAR CANE	MAIZE	WHEAT	RICE, PADDY	OIL PALM FRUIT	POTATOES	OTHER CROPS	TOTAL
Nicaragua	7 351	381		504	496	56	1 926	10 714
Niger	650	9	5	144		397	14 555	15 761
Nigeria	1 526	12 949	110	8 502	12 609	1 216	188 962	225 874
North Macedonia		147	225	19		197	1 592	2 179
Norway			384			376	1 173	1 934
Oman	2	22	4			13	1 533	1 573
Pakistan	87 981	10 183	26 209	10 983		7 937	20 793	164 085
Palau								
Panama	2 314	120		390	250	27	1 333	4 434
Papua New Guinea	349	13		1	3 035	1	6 312	9 711
Paraguay	6 538	6 192	745	862	148	4	8 665	23 154
Peru	9 584	1 612	211	3 449	1 400	6 021	14 762	37 040
Philippines	23 455	8 256		19 756	533	107	42 523	94 631
Poland		8 345	13 195	0		6 031	42 372	69 943
Portugal		718	62	156		320	5 274	6 529
Qatar		2	0			1	130	133
Republic of Korea		86	31	4 998		587	13 182	18 884
Republic of Moldova		752	855	0		172	2 875	4 654
Romania		8 037	8 684	17		1 346	9 817	27 901
Russian Federation	0	15 862	104 234	920		18 888	134 878	274 782
Rwanda	98	459	14	135		908	7 840	9 453
Saint Kitts and Nevis	0					0	7	7
Saint Lucia	0	0					38	38
Saint Vincent and the Grenadines		1		0			99	100
Samoa	0						136	136
San Marino								
Sao Tome and Principe		1			19		75	94
Saudi Arabia		59	800	1		605	5 239	6 704
Senegal	1 222	788		1 409	131	141	7 587	11 277
Serbia		4 283	3 110			524	6 132	14 049
Seychelles							11	11
Sierra Leone	82	25		1 397	359		3 291	5 154
Singapore	0						23	23
Slovakia		684	2 048	0		131	2 720	5 583
Slovenia		278	151	0		58	408	895
Solomon Islands				3	364		370	736
Somalia	222	75	1	2			631	931
South Africa	17 991	16 137	2 089	3		2 529	14 382	53 131
South Sudan	0	219	0	37		0	4 026	4 282
Spain		3 590	6 509	350		1 882	45 214	57 546
Sri Lanka	877	259		3 393		48	7 836	12 412
Sudan	4 451	24	476	33		520	18 902	24 406
Suriname	100	0		266	1		76	443

TABLE 19.
PRODUCTION OF PRIMARY CROPS MAIN COMMODITIES, 2022 (THOUSAND TONNES) (CONTINUED)

COUNTRY	SUGAR CANE	MAIZE	WHEAT	RICE, PADDY	OIL PALM FRUIT	POTATOES	OTHER CROPS	TOTAL
Sweden		12	3 229	0		852	5 461	9 554
Switzerland		125	487			390	2 545	3 547
Syrian Arab Republic	0	536	1 552	0		555	5 341	7 983
Tajikistan		220	840	110		903	4 521	6 595
Thailand	92 096	4 896	1	34 317	19 061	111	55 346	205 829
Timor-Leste		87		76		1	160	324
Togo		957		170	588		3 433	5 148
Tonga							127	127
Trinidad and Tobago	0	5		0			117	122
Tunisia			1 135			400	7 386	8 921
Türkiye		8 500	19 750	950		5 200	94 536	128 936
Turkmenistan		12	1 100	86		699	3 152	5 049
Tuvalu							4	4
Uganda	5 892	2 800	25	730		244	18 730	28 421
Ukraine	0	26 187	20 729	3		20 899	45 115	112 934
United Arab Emirates		23	0			2	770	795
United Kingdom of Great Britain and Northern Ireland			15 540			4 797	20 415	40 752
United Republic of Tanzania	3 535	5 900	75	2 857	77	1 013	26 480	39 937
United States of America	31 457	348 751	44 902	7 274		17 792	225 592	675 768
Uruguay	515	266	1 283	1 373		47	2 991	6 475
Uzbekistan		656	6 270	359		3 443	21 685	32 414
Vanuatu		1					461	462
Venezuela (Bolivarian Republic of)	2 072	1 353	1	478	568	477	5 636	10 584
Viet Nam	11 083	4 423		42 672		333	50 090	108 601
Yemen	0	40	100			337	2 728	3 205
Zambia	4 877	2 706	235	62		52	5 174	13 107
Zimbabwe	3 453	1 500	200	2		12	1 718	6 886

Source: FAO. 2023. FAOSTAT: Production: Crops and livestock products. [Accessed on 15 November 2024].
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TABLE 20.
PRODUCTION OF VEGETABLE OILS MAIN COMMODITIES (THOUSAND TONNES)

COUNTRY	2021					TOTAL VEGETABLE OILS		
	OIL, PALM	OIL, SOYBEAN	OIL, RAPESEED	OIL, SUNFLOWER	OTHER	2000	2010	2021
World	80 585	61 572	26 585	18 495	27 786	92 236	147 868	215 022
Africa	3 281	1 516	65	811	3 082	4 812	5 869	8 755
Americas	5 396	33 824	5 573	1 758	3 360	25 424	34 585	49 912
Asia	71 105	21 990	8 800	1 861	17 929	45 949	82 916	121 686
Europe	0	4 236	11 637	14 053	3 199	15 235	23 453	33 125
Oceania	802	6	510	11	215	815	1 045	1 544
Afghanistan				2	20	17	6	22
Albania		0		0	12	2	9	12
Algeria		175	8	4	101	41	62	287
Andorra								
Angola	59			4	41	63	87	104
Antigua and Barbuda						0	0	
Argentina		8 392	0	1 340	170	5 419	8 272	9 902
Armenia				0	0		1	0
Australia		6	510	11	47	319	393	573
Austria		30	150	65	4	130	198	248
Azerbaijan		0		36	16	10	46	52
Bahamas								
Bahrain								
Bangladesh		426	279		59	232	215	763
Barbados		1			0	4	4	1
Belarus		61	388	7	1	17	160	457
Belgium		22	500	41	197	647	699	760
Belize		2			0		0	2
Benin	92	12			83	62	75	187
Bhutan								
Bolivia (Plurinational State of)		361		89	0	215	387	450
Bosnia and Herzegovina		5	8	28	0	2	37	41
Botswana					0	2	0	0
Brazil	579	11 099	26	84	772	4 510	7 722	12 561
Brunei Darussalam	0	0	0	0	0			0
Bulgaria		1	27	619	9	162	193	656
Burkina Faso					54	23	62	54
Burundi	18				5	4	16	23
Cabo Verde								
Cambodia	95	26			20	13	60	141
Cameroon	320	13			134	191	413	467
Canada		308	4 218	29	75	1 694	2 828	4 631
Central African Republic	1				41	36	42	42
Chad					85	40	44	85
Chile		16	64	0	26	33	36	107
China	112	17 237	3 326	269	4 161	11 038	19 355	25 106
Colombia	1 748	126			132	661	905	2 006

TABLE 20.
PRODUCTION OF VEGETABLE OILS MAIN COMMODITIES (THOUSAND TONNES) (CONTINUED)

COUNTRY	2021					TOTAL VEGETABLE OILS		
	OIL, PALM	OIL, SOYBEAN	OIL, RAPESEED	OIL, SUNFLOWER	OTHER	2000	2010	2021
Comoros						5	5	
Congo	28				6	19	28	34
Costa Rica	266	46			38	184	286	351
Côte d'Ivoire	601				121	334	436	722
Croatia		10	24	27	16	43	57	77
Cuba		18			0	6	29	18
Cyprus					5	4	2	5
Czechia		8	411	83	3	225	334	505
Democratic People's Republic of Korea		24			33	62	72	57
Democratic Republic of the Congo	300				38	218	208	338
Denmark		1	246	0	4	158	212	250
Djibouti								
Dominica					0	1	1	0
Dominican Republic	40	6			18	37	54	63
Ecuador	419	4			32	245	426	455
Egypt		718		9	70	142	345	797
El Salvador					3	6	3	3
Equatorial Guinea	5				1	6	5	7
Eritrea					1	0	1	1
Estonia			62	1	1	6	19	64
Eswatini					0	0	0	0
Ethiopia		12	5		45	21	48	61
Fiji					4	8	5	4
Finland		5	49	4	0	95	125	58
France		120	1 836	529	87	1 268	2 603	2 571
Gabon	3	1			0	7	3	4
Gambia	4				5	33	23	9
Georgia		1		1	0	2	8	1
Germany		646	4 013	55	78	2 827	3 660	4 792
Ghana	272	22			116	156	242	410
Greece		40	5	71	334	565	458	451
Grenada					0	0	0	0
Guatemala	800	8		0	87	78	211	895
Guinea	50				122	102	124	172
Guinea-Bissau	6				24	18	22	30
Guyana						2	1	
Haiti					0	0	0	0
Honduras	650	0			79	110	391	729
Hungary		22	102	645	36	197	287	805
Iceland			0		0			0
India		1 317	2 981	64	2 505	5 483	7 865	6 867
Indonesia	49 710	0		3	5 296	8 873	25 615	55 010
Iran (Islamic Republic of)		339	139	26	40	171	127	544

TABLE 20.
PRODUCTION OF VEGETABLE OILS MAIN COMMODITIES (THOUSAND TONNES) (CONTINUED)

COUNTRY	2021					TOTAL VEGETABLE OILS		
	OIL, PALM	OIL, SOYBEAN	OIL, RAPESEED	OIL, SUNFLOWER	OTHER	2000	2010	2021
Iraq		0		19	7	17	14	27
Ireland		2	4		0	10	10	6
Israel		47	2	6	16	129	108	71
Italy		431	25	145	458	1 123	1 137	1 059
Jamaica		0			11	6	6	11
Japan		474	994		137	1 822	1 599	1 605
Jordan				4	30	30	25	34
Kazakhstan		13	38	331	37	55	226	419
Kenya				1	10	24	25	11
Kiribati					4	0	2	4
Kuwait		0			1	0	1	1
Kyrgyzstan			0	0	6	9	18	6
Lao People's Democratic Republic		0			5	4	8	6
Latvia		0	55	1	0	1	54	56
Lebanon		13		3	27	21	45	43
Lesotho								
Liberia	45				2	47	46	47
Libya					17	10	15	17
Lithuania		1	91	0	0	4	14	91
Luxembourg		0	0	0	0	3	1	0
Madagascar	4				6	19	19	10
Malawi		16		7	59	18	52	82
Malaysia	18 116	110	23	2	2 111	12 408	19 143	20 363
Maldives					0	1	0	0
Mali					68	68	48	68
Malta					0	0	0	0
Marshall Islands								
Mauritania					0	1	0	0
Mauritius					0	0	0	0
Mexico	305	957	537	11	293	945	1 208	2 102
Micronesia (Federated States of)					4	3	3	4
Mongolia			0		0			0
Montenegro					0		0	0
Morocco		5	1	19	213	134	235	237
Mozambique		2		5	90	86	79	97
Myanmar		16		33	346	283	741	395
Namibia				0	0	1	1	0
Nauru					0			0
Nepal		19	58		7	27	26	85
Netherlands (Kingdom of the)		621	132	163	44	1 209	1 248	961
New Zealand					2	2	1	2
Nicaragua	141	2			27	17	33	169
Niger					47	18	29	47

TABLE 20.
PRODUCTION OF VEGETABLE OILS MAIN COMMODITIES (THOUSAND TONNES) (CONTINUED)

COUNTRY	2021					TOTAL VEGETABLE OILS		
	OIL, PALM	OIL, SOYBEAN	OIL, RAPESEED	OIL, SUNFLOWER	OTHER	2000	2010	2021
Nigeria	1 350	124			600	1 608	1 437	2 074
North Macedonia		0	0	2	2	2	5	4
Norway		86	5		0	76	81	91
Oman					12	2	4	12
Pakistan		437	451	39	293	713	1 080	1 220
Palau								
Panama	59	5		0	0	12	25	64
Papua New Guinea	765				115	425	582	880
Paraguay	4	602	20	12	29	193	455	667
Peru	270	1			23	41	84	294
Philippines	131	27			1 034	1 463	1 876	1 192
Poland		7	1 290	7	36	348	962	1 340
Portugal		272	60	76	238	238	358	645
Qatar								
Republic of Korea		193	2		97	247	230	292
Republic of Moldova		3		176	1	22	83	180
Romania		62	151	460	2	325	419	674
Russian Federation		710	736	5 249	45	1 416	3 005	6 740
Rwanda					11	1	3	11
Saint Kitts and Nevis					1	0	0	1
Saint Lucia					0	2	0	0
Saint Vincent and the Grenadines		0			0	0	1	0
Samoa					3	6	5	3
San Marino								
Sao Tome and Principe	4				1	2	4	4
Saudi Arabia		129			43	15	82	172
Senegal	14				159	171	181	173
Serbia		54	7	185	4		231	250
Seychelles					0	0	0	0
Sierra Leone	78				27	46	73	105
Singapore		4			10	12	8	14
Slovakia		6	86	19	3	59	100	114
Slovenia			0		2	0	4	3
Solomon Islands	37				13	44	34	50
Somalia					1	9	2	1
South Africa		255	52	302	95	409	460	704
South Sudan					21			21
Spain		623	82	456	1 533	1 977	2 475	2 693
Sri Lanka		1			60	46	68	61
Sudan				38	184			222
Suriname	0				1	1	1	1
Sweden		4	132	7	1	104	139	144
Switzerland		1	30	4	3	51	44	37

TABLE 20.
PRODUCTION OF VEGETABLE OILS MAIN COMMODITIES (THOUSAND TONNES) (CONTINUED)

COUNTRY	2021					TOTAL VEGETABLE OILS		
	OIL, PALM	OIL, SOYBEAN	OIL, RAPESEED	OIL, SUNFLOWER	OTHER	2000	2010	2021
Syrian Arab Republic		1		2	110	260	366	113
Tajikistan				9	18	23	15	27
Thailand	2 940	607		14	328	860	1 713	3 889
Timor-Leste					1	0	0	1
Togo	22	2			27	27	89	51
Tonga					7	1	3	7
Trinidad and Tobago		0			2	14	4	2
Tunisia		74		3	146	119	247	223
Türkiye		291	52	940	495	1 034	1 268	1 777
Turkmenistan				0	49	31	60	49
Tuvalu					0	0	0	0
Uganda		19		88	53	72	147	159
Ukraine	0	261	185	4 929	2	1 012	3 096	5 377
United Arab Emirates		2	456		2		314	460
United Kingdom of Great Britain and Northern Ireland		123	745		43	806	936	912
United Republic of Tanzania	6			304	111	112	179	420
United States of America		11 841	681	189	1 467	10 806	11 040	14 178
Uruguay		18	27	1	10	19	19	55
Uzbekistan		0	1	57	260	316	286	318
Vanuatu					12	2	11	12
Venezuela (Bolivarian Republic of)	116	12		2	64	160	153	194
Viet Nam		238			204	180	186	442
Yemen					7	11	11	7
Zambia		52		23	7	14	23	83
Zimbabwe		15		4	35	80	56	53

Source: FAO. 2023. FAOSTAT: Production: Crops and livestock products. [Accessed on 15 November 2024].

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TABLE 21.
PRODUCTION OF RAW SUGAR (THOUSAND TONNES)

COUNTRY	2000	2005	2010	2015	2017	2018	2019	2020	2021
World	132 551	141 781	153 780	174 701	178 476	182 213	178 281	173 609	176 954
Africa	9 438	10 148	10 238	10 782	11 333	11 550	11 488	11 452	11 168
Americas	45 815	56 168	65 559	64 899	67 499	58 174	57 107	67 208	64 696
Asia	45 738	43 078	51 851	70 344	62 882	78 991	76 755	65 358	69 628
Europe	25 723	26 818	21 438	23 605	31 614	28 693	28 438	25 071	27 168
Oceania	5 837	5 570	4 694	5 071	5 148	4 804	4 494	4 519	4 294
Afghanistan	1	1	2	1	0	1	1	1	1
Albania	3	3	4	3	3	3	3	3	2
Algeria			0	0	0	0			
Andorra									
Angola	30	30	50	40	68	75	100	115	118
Antigua and Barbuda			0	0	0	0			
Argentina	1 558	2 139	2 038	2 106	2 143	2 129	2 118	2 229	1 748
Armenia		2	4	8	8	7	7	29	23
Australia	5 448	5 234	4 519	4 816	4 939	4 605	4 283	4 335	4 123
Austria	447	489	465	426	516	336	340	369	518
Azerbaijan		4	9	18	28	26	53	54	43
Bahamas									
Bahrain									
Bangladesh	134	115	66	84	127	87	100	100	89
Barbados	58	38	26	11	10	12	8	7	5
Belarus	201	434	458	491	600	637	639	618	576
Belgium	1 023	999	747	732	1 052	945	914	870	795
Belize	122	106	88	142	178	178	198	144	178
Benin	5	6	12	13	10	10	10	10	10
Bhutan									
Bolivia (Plurinational State of)	345	403	456	390	522	560	548	548	514
Bosnia and Herzegovina	0	0	0						
Botswana									
Brazil	17 100	29 500	39 872	35 194	36 745	28 001	27 732	38 440	35 958
Brunei Darussalam									
Bulgaria	2	5	0	0	0	0			
Burkina Faso	30	40	40	42	25	25	28	25	30
Burundi	26	23	14	25	26	26	24	22	24
Cabo Verde									
Cambodia	9	7	10	135	155	150	120	100	120
Cameroon	82	115	116	127	130	130	128	116	126
Canada	121	103	94	102	136	136	140	113	119
Central African Republic	14	12	11	12	11	11	12	12	12
Chad	32	35	38	35	33	33	21	31	35
Chile	482	397	280	259	267	262	175	163	136
China	7 021	9 666	11 423	11 758	10 245	11 440	11 811	10 449	10 657
Colombia	2 391	2 683	2 078	2 355	2 234	2 335	2 204	2 217	2 100
Comoros									

TABLE 21.
PRODUCTION OF RAW SUGAR (THOUSAND TONNES) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2017	2018	2019	2020	2021
Congo	42	63	73	75	70	70	70	70	70
Costa Rica	366	383	361	435	452	431	442	440	425
Côte d'Ivoire	152	180	154	203	201	214	225	210	225
Croatia	57	204	262	130	275	275	150	151	135
Cuba	4 057	1 298	1 161	1 740	1 582	1 233	1 211	1 110	1 222
Cyprus									
Czechia	472	607	499	496	691	623	625	581	680
Democratic People's Republic of Korea									
Democratic Republic of the Congo	72	74	102	88	92	93	90	128	103
Denmark	595	495	372	337	431	382	400	408	414
Djibouti	0	0	0	0	0	0	0	0	0
Dominica									
Dominican Republic	461	470	525	496	561	625	506	604	614
Ecuador	516	581	497	576	590	575	561	556	560
Egypt	1 476	1 628	2 084	2 485	2 550	2 600	2 600	2 900	2 780
El Salvador	524	587	567	823	800	788	823	782	806
Equatorial Guinea									
Eritrea									
Estonia									
Eswatini	528	653	647	716	735	760	788	673	690
Ethiopia	255	358	352	256	450	289	308	363	350
Fiji	335	292	135	222	179	165	176	152	133
Finland	144	189	80	65	70	58	80	68	65
France	4 590	4 550	4 149	4 692	5 648	5 801	4 897	3 800	4 691
Gabon	20	21	26	28	28	29	26	26	55
Gambia									
Georgia	3	0	0	0					
Germany	4 765	4 049	3 640	3 206	5 356	4 195	4 615	4 489	5 005
Ghana			0	0	0	0			
Greece	400	326	84	27	40	15	8	9	8
Grenada			0	0	0	0	0		
Guatemala	1 632	2 015	2 336	2 877	2 740	2 693	2 963	2 655	2 649
Guinea	25	25	25	24	25	26	23	20	23
Guinea-Bissau									
Guyana	273	246	221	231	137	105	92	89	58
Haiti	10	10	10	13	13	14	13	12	12
Honduras	328	381	433	515	533	546	539	490	440
Hungary	291	521	121	122	157	117	117	140	95
Iceland					0	0	0	0	0
India	20 219	14 170	20 637	30 460	22 200	34 309	34 300	28 900	33 760
Indonesia	1 780	2 050	1 770	2 535	2 191	2 172	2 227	2 123	2 364
Iran (Islamic Republic of)	801	1 346	1 124	1 657	1 875	1 525	1 250	1 567	1 307
Iraq	2	0	1	2	1	0	0	0	0
Ireland	238	217	0	10	10	10	0	0	0

TABLE 21.
PRODUCTION OF RAW SUGAR (THOUSAND TONNES) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2017	2018	2019	2020	2021
Israel	0	0	0	0	0	0			
Italy	1 687	1 287	476	313	337	275	300	270	230
Jamaica	203	127	117	129	81	77	59	44	40
Japan	784	904	646	805	784	734	777	772	786
Jordan									
Kazakhstan	21	42	13	18	53	75	62	51	39
Kenya	402	488	524	636	473	491	441	604	700
Kiribati									
Kuwait									
Kyrgyzstan	63	31	15	25	100	122	100	51	65
Lao People's Democratic Republic		1	8	195	163	173	142	254	221
Latvia	63	77	0	0	0	0			
Lebanon	34	8	0	0	0	0	0	1	
Lesotho									
Liberia	4	4	5	5	5	5	5	5	5
Libya									
Lithuania	138	136	113	104	140	147	160	153	152
Luxembourg									
Madagascar	70	27	74	87	90	90	90	90	90
Malawi	207	272	281	290	240	250	252	270	276
Malaysia	108	62	45	2	2	2	1	2	2
Maldives									
Mali	29	35	34	95	100	100	114	100	100
Malta									
Marshall Islands									
Mauritania									
Mauritius	569	520	452	366	355	323	331	271	256
Mexico	4 985	5 619	4 826	5 985	7 043	6 226	6 710	6 189	6 240
Micronesia (Federated States of)									
Mongolia									
Montenegro									
Morocco	523	517	482	660	604	642	591	526	388
Mozambique	39	265	325	349	363	346	314	305	455
Myanmar	93	38	21	23	24	26	27	172	81
Namibia									
Nauru									
Nepal	84	124	76	147	125	178	180	100	120
Netherlands (Kingdom of the)	1 153	1 093	949	859	1 445	1 300	1 248	1 265	1 257
New Zealand			0	0	0	0			
Nicaragua	391	427	489	694	734	776	758	767	764
Niger	21	22	22	31	24	25	30	42	42
Nigeria	36	35	38	16	25	30	21	18	34
North Macedonia	13	11	1	1	1	0	0	0	0
Norway									

TABLE 21.
PRODUCTION OF RAW SUGAR (THOUSAND TONNES) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2017	2018	2019	2020	2021
Oman									
Pakistan	2 894	3 188	3 410	5 115	6 621	5 462	4 881	5 646	5 696
Palau									
Panama	156	164	154	176	167	176	162	155	137
Papua New Guinea	54	44	40	33	30	34	35	32	38
Paraguay	135	207	254	136	147	140	129	149	145
Peru	747	695	1 038	1 119	1 081	1 183	1 196	1 198	1 098
Philippines	1 676	2 238	1 717	2 239	2 504	2 115	2 037	2 126	2 200
Poland	2 188	2 010	1 593	1 592	2 539	2 555	2 295	2 471	2 547
Portugal	60	83	2	1	2	0	0	0	0
Qatar									
Republic of Korea									
Republic of Moldova	111	145	103	92	129	129	87	51	103
Romania	54	74	108	151	191	108	150	94	106
Russian Federation	1 667	2 718	2 782	5 743	6 665	6 273	7 310	5 794	5 902
Rwanda	4	7	10	5	10	11	10	9	9
Saint Kitts and Nevis	18	11	0	0	0	0			
Saint Lucia			0	0	0	0			
Saint Vincent and the Grenadines	2	2	2	2					
Samoa									
San Marino									
Sao Tome and Principe									
Saudi Arabia									
Senegal	90	90	102	133	157	160	160	150	145
Serbia			506	290	506	375	246	330	329
Seychelles									
Sierra Leone	7	6	8	6	6	8	8	6	6
Singapore									
Slovakia	140	264	153	190	195	209	215	195	182
Slovenia	50	63	0	0	0	0			
Solomon Islands									
Somalia	22	15	23	23	22	22	22	20	20
South Africa	2 729	2 507	2 188	1 684	2 064	2 258	2 295	2 106	1 906
South Sudan				0	0	0			
Spain	1 243	1 093	560	623	583	460	361	319	395
Sri Lanka	64	54	31	62	70	65	60	60	75
Sudan				591	644	586	542	501	422
Suriname	10	5	6	7	6	7	1	1	4
Sweden	448	439	342	211	350	345	362	361	365
Switzerland	238	247	241	261	276	219	237	188	163
Syrian Arab Republic	109	148	233	5	3	1	3	0	
Tajikistan									
Thailand	5 833	5 425	6 929	10 998	10 782	15 435	14 045	8 294	7 620
Timor-Leste									

TABLE 21.
PRODUCTION OF RAW SUGAR (THOUSAND TONNES) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2017	2018	2019	2020	2021
Togo									
Tonga									
Trinidad and Tobago	111	33	0						
Tunisia	3	0	0	12	15	15	15	15	15
Türkiye	2 755	2 250	2 473	2 046	2 791	2 468	2 494	2 797	2 812
Turkmenistan	30	30	30	35	35	20	11	12	12
Tuvalu									
Uganda	137	211	269	498	510	525	514	500	485
Ukraine	1 687	2 054	1 546	1 459	2 043	1 754	1 490	1 170	1 416
United Arab Emirates									
United Kingdom of Great Britain and Northern Ireland	1 440	1 458	1 082	978	1 364	1 148	1 189	906	1 038
United Republic of Tanzania	117	278	300	315	352	371	360	370	375
United States of America	7 955	6 712	7 194	7 711	8 172	8 505	7 374	7 683	8 366
Uruguay	8	8	9	25	25	25	25	25	25
Uzbekistan	11		0	0	0	0		0	0
Vanuatu									
Venezuela (Bolivarian Republic of)	673	740	429	650	400	437	419	397	332
Viet Nam	1 209	1 175	1 159	1 972	1 995	2 399	2 064	1 698	1 534
Yemen									
Zambia	189	232	402	399	429	448	436	398	397
Zimbabwe	585	430	335	412	392	453	483	427	391

Source: FAO. 2023. FAOSTAT: Production: Crops and livestock products. [Accessed on 15 November 2024].

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TABLE 22.
PRODUCTION OF MEAT (THOUSAND TONNES)

COUNTRY	2022				TOTAL MEAT			
	MEAT, CHICKEN	MEAT, PIG	MEAT, CATTLE	OTHER	2000	2010	2015	2022
World	123 631	122 585	69 346	45 055	231 912	294 416	327 080	360 618
Africa	7 810	2 101	6 848	5 982	11 986	16 943	19 337	22 742
Americas	49 575	24 433	33 908	4 101	73 631	92 129	99 423	112 016
Asia	44 525	65 872	15 727	29 037	89 602	122 918	140 387	155 162
Europe	20 084	29 596	10 243	4 237	51 292	56 551	60 978	64 160
Oceania	1 637	583	2 621	1 697	5 401	5 875	6 955	6 538
Afghanistan	29		82	161	321	328	303	272
Albania	16	9	30	26	67	91	90	81
Algeria	275	0	148	380	561	613	752	804
Andorra								
Angola	59	169	108	34	149	217	287	370
Antigua and Barbuda	0	0	0	0	1	0	0	0
Argentina	2 319	723	3 133	164	4 101	4 722	5 485	6 340
Armenia	12	15	66	11	51	69	100	103
Australia	1 362	436	1 878	795	3 707	4 048	4 967	4 471
Austria		478	210	7	835	920	910	695
Azerbaijan	130	1	149	89	132	252	299	368
Bahamas	6	0	0	0	7	7	7	7
Bahrain	9		1	27	14	24	29	37
Bangladesh	221		202	313	449	607	663	736
Barbados	16	3	0	0	14	17	19	19
Belarus	508	362	345	5	598	971	1 148	1 220
Belgium	442	1 032	238	3	1 736	1 816	1 851	1 715
Belize	20	2	2	0	11	17	22	25
Benin	10	10	38	45	55	65	75	103
Bhutan	1	1	2	0	2	2	3	4
Bolivia (Plurinational State of)	514	123	299	63	385	703	837	998
Bosnia and Herzegovina	69	8	10	1	31	76	82	89
Botswana	1	0	34	34	53	83	71	70
Brazil	14 524	5 186	10 350	338	15 425	23 482	26 485	30 398
Brunei Darussalam	32	0	2	1	15	22	25	34
Bulgaria	91	85	21	31	484	221	210	227
Burkina Faso	151	224	129	60	401	648	645	564
Burundi	8	11	15	11	19	22	32	46
Cabo Verde	0	3	1	1	8	6	6	4
Cambodia	16	101	55	17	200	206	202	190
Cameroon	123	49	121	123	219	295	373	415
Canada	1 371	2 263	1 379	201	4 000	4 441	4 441	5 214
Central African Republic	7	19	104	62	116	158	174	191
Chad	7	3	528	386	269	478	634	922
Chile	693	576	191	100	946	1 327	1 483	1 560
China	14 999	56 321	7 192	16 165	62 058	80 899	88 624	94 677
Colombia	1 820	517	710	18	1 377	2 039	2 595	3 065

TABLE 22.
PRODUCTION OF MEAT (THOUSAND TONNES) (CONTINUED)

COUNTRY	2022				TOTAL MEAT			
	MEAT, CHICKEN	MEAT, PIG	MEAT, CATTLE	OTHER	2000	2010	2015	2022
Comoros	1		1	0	2	2	2	2
Congo	7	1	5	50	27	51	62	63
Costa Rica	152	69	89	0	186	260	264	310
Côte d'Ivoire	68	12	23	207	184	239	263	309
Croatia	59	112	41	6	127	216	206	219
Cuba	19	185	69	19	236	282	326	291
Cyprus	27	40	5	6	101	96	79	79
Czechia	161	217	71	5	785	603	505	453
Democratic People's Republic of Korea	11	113	21	180	256	324	345	324
Democratic Republic of the Congo	10	27	22	192	218	227	242	251
Denmark	152	1 609	120	1	1 985	1 993	1 872	1 883
Djibouti			6	5	11	11	11	11
Dominica	0	0	1	0	1	1	1	1
Dominican Republic	365	73	61	2	342	461	488	502
Ecuador	514	200	219	21	497	848	1 058	954
Egypt	2 523	1	413	469	1 384	1 908	2 221	3 407
El Salvador	162	5	19	0	122	146	153	186
Equatorial Guinea	0	0	0	0	1	1	1	1
Eritrea	1		25	17	32	40	39	43
Estonia	23	43	9	0	53	75	83	75
Eswatini	5	1	17	2	25	25	26	26
Ethiopia	49	2	420	372	476	749	758	844
Fiji	45	4	4	1	16	22	32	54
Finland	138	170	85	10	337	387	400	404
France	1 114	2 152	1 361	448	6 324	5 810	5 654	5 076
Gabon	4	4	1	32	33	36	39	41
Gambia	1	1	2	3	6	9	9	7
Georgia	24	21	24	6	108	56	67	75
Germany	1 076	4 492	995	460	6 218	8 185	8 334	7 023
Ghana	71	29	30	179	171	225	270	308
Greece	245	79	36	96	467	451	459	456
Grenada	0	0	0	0	1	1	1	1
Guatemala	385	39	235	5	228	328	520	664
Guinea	15	5	71	36	53	92	120	127
Guinea-Bissau	3	13	8	2	18	24	26	26
Guyana	57	1	2	1	15	28	34	61
Haiti	9	32	50	18	93	104	105	108
Honduras	258	9	66	1	141	206	252	334
Hungary	349	441	27	120	1 176	870	989	937
Iceland	9	6	5	13	24	30	33	34
India	4 907	318	0	5 419	3 732	6 670	8 695	10 644
Indonesia	4 041	263	499	183	1 445	2 366	3 050	4 986
Iran (Islamic Republic of)	2 090	0	293	319	1 555	2 423	2 862	2 703

TABLE 22.
PRODUCTION OF MEAT (THOUSAND TONNES) (CONTINUED)

COUNTRY	2022				TOTAL MEAT			
	MEAT, CHICKEN	MEAT, PIG	MEAT, CATTLE	OTHER	2000	2010	2015	2022
Iraq	157		34	64	153	166	175	254
Ireland	145	333	621	83	1 016	933	1 011	1 182
Israel	553	11	160	138	499	694	786	863
Italy	994	1 255	747	245	3 911	4 066	3 692	3 241
Jamaica	140	7	6	1	99	115	126	154
Japan	2 372	1 293	491	7	2 991	3 233	3 875	4 163
Jordan	256		33	32	139	218	232	321
Kazakhstan	283	78	533	346	575	835	922	1 241
Kenya	110	20	268	211	383	686	743	609
Kiribati	1	1			1	2	2	2
Kuwait	66		2	57	69	79	103	126
Kyrgyzstan	14	8	120	115	196	188	218	257
Lao People's Democratic Republic	38	101	43	30	73	130	158	212
Latvia	37	39	16	1	62	80	85	92
Lebanon	120	1	48	7	174	140	167	175
Lesotho	1	0	1	6	11	9	12	9
Liberia	15	10	1	10	20	31	34	36
Libya	130		7	46	141	183	175	184
Lithuania	84	71	45	1	189	197	242	201
Luxembourg	0	13	10	0	22	20	22	23
Madagascar	54	27	33	49	126	150	160	162
Malawi	149	345	65	72	63	112	310	631
Malaysia	1 608	196	30	78	893	1 547	1 911	1 913
Maldives				1	1	1	1	1
Mali	61	1	60	52	113	117	130	175
Malta	4	4	1	0	17	14	11	10
Marshall Islands								
Mauritania	4	0	32	91	81	100	117	127
Mauritius	56	1	2	1	26	51	50	59
Mexico	3 782	1 730	2 176	204	4 444	5 808	6 331	7 891
Micronesia (Federated States of)	0	1	0	0	1	1	1	1
Mongolia	0	0	142	412	288	203	374	555
Montenegro	2	3	3	1		9	9	10
Morocco	525	1	257	392	541	930	1 115	1 174
Mozambique	147	137	20	8	171	150	205	311
Myanmar	620	285	110	102	468	1 991	3 002	1 117
Namibia	12	7	28	22	97	77	75	69
Nauru	0	0			0	0	0	0
Nepal	205	36		272	189	249	303	513
Netherlands (Kingdom of the)	864	1 684	422	19	2 880	2 553	2 914	2 988
New Zealand	219	45	728	464	1 303	1 332	1 431	1 456
Nicaragua	154	15	151	2	108	234	257	322
Niger	20	2	65	110	116	159	175	196

TABLE 22.
PRODUCTION OF MEAT (THOUSAND TONNES) (CONTINUED)

COUNTRY	2022				TOTAL MEAT			
	MEAT, CHICKEN	MEAT, PIG	MEAT, CATTLE	OTHER	2000	2010	2015	2022
Nigeria	355	363	329	605	1 053	1 399	1 424	1 652
North Macedonia	2	13	4	4	25	23	21	24
Norway	106	133	92	42	270	341	341	373
Oman	7		15	68	32	63	76	90
Pakistan	1 977		1 269	2 003	1 701	2 982	3 725	5 249
Palau								
Panama	224	33	75		172	235	297	332
Papua New Guinea	7	82	3	437	346	443	493	529
Paraguay	76	68	515	7	312	418	548	667
Peru	1 802	181	193	81	801	1 386	1 749	2 256
Philippines	1 437	1 216	118	136	2 079	2 906	3 376	2 908
Poland	2 232	1 805	541	476	2 888	3 584	4 167	5 053
Portugal	314	370	104	71	760	839	842	859
Qatar	26		1	7	13	20	26	33
Republic of Korea	930	1 419	330	48	1 649	2 017	2 416	2 727
Republic of Moldova	55	53	6	3	88	111	131	116
Romania	475	345	83	62	984	1 007	1 084	965
Russian Federation	5 308	4 532	1 621	784	4 453	7 167	9 565	12 245
Rwanda	9	7	37	32	37	85	113	85
Saint Kitts and Nevis	0	0	0	0	1	0	0	0
Saint Lucia	1	1	0	0	2	3	3	3
Saint Vincent and the Grenadines	0	0	0	0	1	1	1	1
Samoa	0	1	1	0	5	5	5	3
San Marino								
Sao Tome and Principe	1	1	0	0	1	1	1	1
Saudi Arabia	1 130		31	227	643	761	752	1 389
Senegal	142	20	90	87	114	167	230	339
Serbia	116	305	74	31		474	463	526
Seychelles	2	1	0	0	2	1	1	2
Sierra Leone	20	2	13	17	17	39	44	51
Singapore	46	25	0	4	113	113	104	75
Slovakia		59	11	1	279	177	127	71
Slovenia	68	26	36	7	147	143	121	138
Solomon Islands	0	3	1	0	3	3	4	4
Somalia	4	0	54	128	172	189	194	186
South Africa	1 951	352	1 008	224	1 644	2 784	3 276	3 534
South Sudan	52		137	57			180	246
Spain	1 350	5 066	732	365	4 915	5 447	6 062	7 513
Sri Lanka	228	2	19	11	105	144	200	260
Sudan	85		392	540			938	1 018
Suriname	12	2	2	1	7	16	13	17
Sweden	167	256	137	10	543	539	550	569
Switzerland	110	232	142	11	413	472	479	495

TABLE 22.
PRODUCTION OF MEAT (THOUSAND TONNES) (CONTINUED)

COUNTRY	2022				TOTAL MEAT			
	MEAT, CHICKEN	MEAT, PIG	MEAT, CATTLE	OTHER	2000	2010	2015	2022
Syrian Arab Republic	93		50	199	347	421	343	343
Tajikistan	23	0	270	85	28	71	158	378
Thailand	1 838	891	139	94	2 044	2 396	2 809	2 961
Timor-Leste	1	9	1	17	23	32	35	29
Togo	28	17	8	18	37	50	49	71
Tonga	0	2	0	0	2	2	2	2
Trinidad and Tobago	51	2	1	0	42	70	52	54
Tunisia	153	0	50	170	242	286	347	373
Türkiye	2 418	0	1 573	679	1 163	2 362	3 154	4 670
Turkmenistan	30	0	173	157	150	294	316	360
Tuvalu	0	0			0	0	0	0
Uganda	70	128	188	68	265	422	456	454
Ukraine	1 208	659	269	71	1 726	2 103	2 381	2 206
United Arab Emirates	53		20	102	94	131	155	174
United Kingdom of Great Britain and Northern Ireland	1 815	1 043	925	438	3 511	3 533	3 831	4 221
United Republic of Tanzania	91	44	526	136	286	447	588	798
United States of America	19 599	12 252	12 890	2 789	37 565	41 953	43 313	47 531
Uruguay	75	12	616	37	592	641	660	740
Uzbekistan	149	4	1 028	167	504	818	1 141	1 348
Vanuatu	1	3	2	0	7	8	7	5
Venezuela (Bolivarian Republic of)	424	114	402	28	1 257	1 761	1 446	968
Viet Nam	1 067	3 102	265	297	1 495	2 982	3 591	4 730
Yemen	202		77	157	168	323	379	436
Zambia	51	24	181	59	137	266	284	315
Zimbabwe	112	11	725	70	729	793	774	918

Source: FAO. 2023. FAOSTAT: Production: Crops and livestock products. [Accessed on 15 November 2024].

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TABLE 23.
PRODUCTION OF BOVINE MILK (THOUSAND TONNES)

COUNTRY	2000	2005	2010	2015	2018	2019	2020	2021	2022
World	556 506.5	624 086.3	697 013.5	787 589.1	839 227.1	858 767.6	887 698.6	906 780.4	896 893.8
Africa	23 152.2	32 070.5	36 596.2	37 626.4	38 546.6	39 239.4	41 173.0	42 310.7	41 172.3
Americas	142 459.2	152 947.6	171 562.7	186 698.4	191 529.7	192 615.5	197 371.6	199 105.3	199 278.3
Asia	159 975.2	206 578.1	255 819.1	312 331.4	353 975.2	370 516.2	389 773.2	407 117.2	400 567.0
Europe	207 771.5	207 658.4	206 978.6	219 482.6	223 918.4	225 745.7	228 389.3	227 273.3	226 353.5
Oceania	23 148.4	24 831.6	26 056.9	31 450.3	31 257.2	30 650.8	30 991.6	30 973.8	29 522.8
Afghanistan	1 320.0	1 458.0	1 401.0	1 855.1	1 828.2	1 850.1	1 872.0	1 899.4	1 945.9
Albania	807.0	930.0	957.9	993.0	1 002.7	975.0	924.3	885.2	849.7
Algeria	1 631.1	2 154.8	2 711.9	2 932.0	2 422.1	2 478.1	2 414.6	2 409.3	2 434.0
Andorra									
Angola	195.0	202.2	198.6	215.0	213.8	220.4	220.9	222.4	223.9
Antigua and Barbuda	5.7	6.1	2.9	2.9	2.5	2.1	2.1	2.0	2.0
Argentina	10 121.3	9 908.9	10 616.7	12 422.7	10 842.4	10 650.1	11 446.6	11 899.9	11 904.1
Armenia	440.3	557.3	557.3	663.8	645.7	615.9	605.4	647.0	607.0
Australia	10 847.0	10 127.0	9 023.0	9 489.0	9 289.0	8 845.0	9 099.0	9 067.0	8 450.0
Austria	3 233.2	3 113.7	3 257.7	3 537.8	3 821.2	3 781.3	3 815.5	3 830.1	3 942.5
Azerbaijan	1 013.8	1 226.0	1 507.0	1 889.8	2 042.8	2 114.4	2 156.9	2 187.8	2 229.1
Bahamas	0.6	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Bahrain	19.0	14.8	14.0	12.7	10.6	11.6	10.0	10.0	10.6
Bangladesh	1 841.4	2 055.1	2 192.3	6 447.3	8 700.6	9 176.9	9 879.0	11 086.1	12 093.5
Barbados	7.9	6.3	6.7	5.2	4.8	4.7	4.0	4.3	4.0
Belarus	4 477.5	5 650.1	6 594.5	7 030.2	7 328.6	7 378.5	7 751.8	7 811.0	7 871.0
Belgium	3 689.0	3 025.0	3 066.6	3 988.1	4 195.0	4 293.0	4 457.0	4 438.0	4 572.0
Belize	1.4	3.8	3.3	5.7	5.0	4.6	4.5	5.7	6.6
Benin	76.3	87.2	99.3	113.0	122.0	125.1	96.0	104.9	114.6
Bhutan			25.7	39.8	56.8	61.9	62.2	58.9	46.8
Bolivia (Plurinational State of)	319.2	368.7	427.9	573.1	560.7	554.1	558.8	560.1	569.1
Bosnia and Herzegovina	543.5	648.9	715.6	695.6	676.7	640.7	629.1	539.5	603.1
Botswana	471.3	416.0	472.1	339.5	227.1	200.2	177.6	215.7	211.8
Brazil	20 380.0	25 384.1	31 636.9	35 647.9	34 925.1	35 966.2	36 376.2	36 238.6	35 647.5
Brunei Darussalam	0.4	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2
Bulgaria	1 419.9	1 293.9	1 132.3	1 037.5	910.5	835.5	897.7	852.4	786.0
Burkina Faso	74.2	117.6	129.9	200.0	210.0	220.0	216.3	220.7	225.2
Burundi	18.6	16.2	30.4	59.9	74.0	55.0	65.0	64.7	61.6
Cabo Verde	5.1	6.6	3.9	3.9	4.4	4.5	4.4	4.4	4.5
Cambodia	24.0	25.2	27.3	24.1	24.3	24.0	23.8	24.1	23.9
Cameroon	155.7	161.4	175.0	200.0	266.0	208.0	188.0	220.7	205.6
Canada	8 161.0	7 806.0	7 911.1	8 430.2	9 524.6	9 512.0	9 640.6	9 807.3	9 742.5
Central African Republic	63.3	66.5	75.0	78.4	80.0	79.7	80.5	81.3	82.5
Chad	129.5	142.7	171.3	200.8	226.9	234.7	242.8	248.0	259.7
Chile	1 990.0	2 300.0	2 530.0	2 089.7	2 218.5	2 209.0	2 343.6	2 336.5	2 284.9
China	11 282.3	30 637.3	33 775.1	35 067.7	34 072.4	35 374.7	37 750.8	40 170.9	38 971.6
Colombia	6 148.1	6 319.9	6 285.1	6 773.8	7 362.3	6 825.5	7 071.4	6 992.7	7 421.0
Comoros	12.6	12.4	13.2	13.3	13.0	13.0	13.0	13.0	13.1

TABLE 23.
PRODUCTION OF BOVINE MILK (THOUSAND TONNES) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2018	2019	2020	2021	2022
Congo	2.9	3.5	3.7	3.8	4.5	4.6	4.5	4.5	4.5
Costa Rica	721.9	779.5	951.7	1 101.7	1 161.5	1 204.8	1 201.4	1 202.4	1 202.9
Côte d'Ivoire	25.9	28.7	31.3	31.9	33.6	34.1	34.8	35.8	31.8
Croatia	606.8	790.8	769.0	694.4	618.0	599.0	596.0	558.0	522.0
Cuba	614.1	353.2	629.5	493.9	576.9	512.0	455.3	374.2	369.6
Cyprus	146.6	147.3	151.0	163.3	228.1	238.8	275.2	298.1	286.8
Czechia	2 781.2	2 812.7	2 683.0	3 025.9	3 161.5	3 155.8	3 267.7	3 309.9	3 339.2
Democratic People's Republic of Korea	90.0	82.2	93.2	83.1	83.8	84.1	84.4	84.3	83.3
Democratic Republic of the Congo	6.4	6.1	7.5	7.2	7.7	8.0	8.4	8.9	9.2
Denmark	4 719.8	4 584.0	4 909.4	5 356.3	5 615.2	5 615.0	5 666.0	5 644.0	5 664.0
Djibouti	8.1	8.8	8.8	8.9	9.0	8.9	8.9	8.9	8.9
Dominica	6.7	6.7	7.5	7.0	7.0	7.0	7.0	7.0	7.0
Dominican Republic	400.0	461.4	529.6	672.2	894.8	916.5	891.5	861.6	860.8
Ecuador	1 806.0	1 719.7	2 148.6	1 850.0	1 866.7	1 852.3	1 788.4	1 867.3	1 867.5
Egypt	3 675.3	5 102.3	5 648.6	5 123.4	5 093.1	5 193.0	5 546.0	6 131.0	5 623.3
El Salvador	398.4	461.0	471.5	492.7	416.0	368.3	410.4	315.1	364.6
Equatorial Guinea									
Eritrea	50.0	95.0	105.3	105.0	120.0	120.0	120.0	120.0	120.0
Estonia	628.9	670.0	675.3	782.7	796.9	820.8	848.3	838.7	848.1
Eswatini	37.5	38.7	39.9	39.7	39.2	39.4	39.6	39.7	39.7
Ethiopia	900.0	2 139.0	4 058.0	3 200.3	3 284.5	3 895.3	4 693.0	3 866.1	4 151.5
Fiji	56.0	57.0	13.8	12.6	11.8	10.8	12.4	11.4	12.8
Finland	2 450.1	2 433.2	2 336.3	2 435.8	2 397.9	2 374.4	2 406.5	2 314.9	2 258.6
France	23 165.5	23 128.9	23 301.2	25 068.2	25 055.1	25 062.0	25 234.8	24 760.6	23 968.0
Gabon	10.4	10.2	13.3	14.2	10.6	10.5	10.6	10.6	10.7
Gambia	60.3	68.2	70.3	78.9	56.7	52.3	49.1	48.9	48.7
Georgia	622.6	759.1	598.4	573.2	561.7	568.6	575.5	594.6	588.2
Germany	28 331.2	28 453.0	29 616.3	32 684.6	33 086.8	33 080.2	33 165.9	32 506.9	32 399.1
Ghana	36.8	38.8	37.9	42.7	45.3	45.7	48.2	49.2	50.2
Greece	748.3	790.9	799.8	692.2	654.8	659.4	683.6	710.9	691.3
Grenada	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Guatemala	267.4	411.5	463.1	518.7	556.5	547.3	558.7	586.9	525.4
Guinea	71.6	90.3	143.7	182.0	180.5	198.3	209.2	220.7	232.8
Guinea-Bissau	13.5	14.4	17.3	17.0	18.0	17.9	17.7	17.9	18.0
Guyana	30.1	27.3	28.0	55.3	55.0	55.0	55.0	55.0	55.0
Haiti	41.3	44.8	48.1	48.8	49.7	49.9	49.7	49.9	50.0
Honduras	571.1	663.1	714.2	671.9	679.7	683.3	686.1	688.9	691.7
Hungary	2 142.9	1 928.7	1 684.9	1 941.3	1 948.8	1 962.8	2 014.3	2 080.2	2 040.3
Iceland	104.0	109.4	123.2	146.0	157.0	156.4	155.5	153.3	152.4
India	76 395.0	91 829.0	117 253.0	150 104.4	181 650.7	192 589.5	203 698.0	214 459.0	207 522.6
Indonesia	647.2	673.0	1 040.9	933.9	1 025.5	1 032.9	1 036.4	1 035.3	1 059.5
Iran (Islamic Republic of)	4 976.2	6 474.8	7 028.8	5 832.5	6 928.0	6 928.0	7 637.0	8 085.0	7 625.0
Iraq	446.0	259.4	205.5	236.3	249.4	254.7	260.8	267.5	272.9

TABLE 23.
PRODUCTION OF BOVINE MILK (THOUSAND TONNES) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2018	2019	2020	2021	2022
Ireland	5 159.8	5 061.3	5 327.0	6 585.1	7 831.3	8 244.9	8 561.5	9 040.0	9 108.3
Israel	1 185.2	1 214.0	1 330.8	1 431.5	1 640.3	1 588.3	1 610.0	1 630.2	1 644.0
Italy	12 444.5	11 228.2	10 677.5	11 354.5	12 584.5	12 743.9	12 966.3	13 459.9	13 436.3
Jamaica	26.2	14.6	12.5	11.9	13.2	11.9	12.2	11.8	12.4
Japan	8 497.0	8 285.2	7 720.5	7 379.2	7 289.2	7 313.5	7 438.2	7 592.1	7 617.5
Jordan	129.0	196.7	215.0	270.4	320.2	346.9	299.8	309.1	318.6
Kazakhstan	3 692.7	4 714.6	5 347.6	5 141.6	5 642.3	5 819.3	6 004.4	6 198.8	6 320.0
Kenya	2 224.0	3 752.2	3 638.6	3 444.2	3 778.2	3 983.3	4 048.1	4 640.9	4 214.9
Kiribati									
Kuwait	30.8	40.3	55.2	57.1	66.4	70.1	67.4	68.0	68.5
Kyrgyzstan	1 078.7	1 151.4	1 321.8	1 450.7	1 569.2	1 627.8	1 668.0	1 699.0	1 734.1
Lao People's Democratic Republic	6.0	6.4	7.0	7.3	7.3	8.3	7.3	7.3	7.3
Latvia	823.0	806.8	830.9	975.4	980.2	978.9	988.2	990.3	973.8
Lebanon	158.4	189.8	219.9	340.0	340.0	350.0	322.1	337.4	336.5
Lesotho	174.4	181.5	163.6	180.0	170.0	180.0	173.3	174.4	175.9
Liberia	7.8	7.9	8.7	9.2	8.2	8.5	8.6	8.5	8.6
Libya	92.7	105.1	141.0	136.4	150.0	152.8	146.3	149.9	149.9
Lithuania	1 713.0	1 853.6	1 732.5	1 734.7	1 568.0	1 547.4	1 488.0	1 473.3	1 517.6
Luxembourg	264.5	269.7	295.3	346.3	407.6	421.3	447.3	443.3	449.1
Madagascar	535.0	510.0	555.0	543.3	478.1	482.2	476.7	488.5	492.0
Malawi	35.0	42.5	46.7	52.1	58.1	63.1	64.9	66.9	67.8
Malaysia	37.7	50.4	76.2	84.3	46.2	48.1	47.4	44.4	44.6
Maldives									
Mali	172.8	310.1	298.2	293.4	268.6	276.6	284.9	293.5	285.0
Malta	48.0	41.5	42.1	41.6	40.4	41.3	42.1	39.5	39.0
Marshall Islands									
Mauritania	115.5	124.3	126.0	135.0	155.0	147.6	148.6	150.0	148.7
Mauritius	4.7	4.0	3.6	4.5	2.5	2.5	2.5	2.6	2.2
Mexico	9 311.4	9 868.3	10 997.0	11 736.5	12 365.9	12 644.1	12 940.6	13 237.2	13 498.0
Micronesia (Federated States of)									
Mongolia	375.6	259.5	271.8	597.6	637.3	597.0	608.2	585.8	710.7
Montenegro			135.8	175.8	173.3	170.7	170.5	159.5	158.0
Morocco	1 184.5	1 400.0	1 957.0	2 523.5	2 626.5	2 626.5	2 626.5	2 575.0	2 060.0
Mozambique	0.9	1.4	2.1	2.3	2.8	2.8	2.9	3.3	2.4
Myanmar	727.4	967.0	1 577.7	2 338.5	900.0	900.0	900.0	900.0	900.0
Namibia	88.5	117.5	115.0	106.9	108.7	108.6	100.3	109.7	111.2
Nauru									
Nepal	1 097.0	1 274.2	1 495.9	1 724.8	2 092.4	2 168.4	2 301.0	2 479.9	2 566.6
Netherlands (Kingdom of the)	11 155.0	10 847.0	11 626.1	13 330.9	14 091.2	14 557.8	14 525.0	14 220.0	14 533.7
New Zealand	12 235.4	14 637.9	17 010.5	21 938.8	21 947.5	21 786.2	21 871.3	21 886.4	21 051.0
Nicaragua	560.0	614.1	753.3	1 041.0	1 311.5	1 317.8	1 399.7	1 430.0	1 436.7
Niger	271.4	363.1	486.0	614.9	732.3	776.3	822.8	777.1	705.7
Nigeria	389.0	438.5	444.7	513.1	514.2	517.6	521.1	524.6	527.4
North Macedonia	226.9	203.4	368.6	371.9	416.4	402.6	417.4	336.3	334.0

TABLE 23.
PRODUCTION OF BOVINE MILK (THOUSAND TONNES) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2018	2019	2020	2021	2022
Norway	1 616.4	1 565.7	1 558.5	1 586.6	1 571.9	1 529.8	1 547.0	1 572.5	1 494.0
Oman	28.5	46.0	69.6	92.3	98.0	100.0	215.3	219.6	224.0
Pakistan	24 949.0	28 732.0	42 001.0	50 207.0	52 994.0	54 977.0	56 775.8	58 634.0	60 554.0
Palau									
Panama	170.6	181.1	198.0	211.2	208.9	188.8	213.8	181.5	179.5
Papua New Guinea	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Paraguay	329.8	372.4	490.4	515.0	473.9	480.1	541.0	536.8	558.7
Peru	903.2	1 236.8	1 678.4	1 903.2	2 067.1	2 121.4	2 138.0	2 184.9	2 246.9
Philippines	10.5	12.7	16.3	21.0	24.4	25.1	27.5	27.1	31.2
Poland	11 889.3	11 922.8	12 278.7	13 236.2	14 171.2	14 502.8	14 821.8	14 881.1	15 208.5
Portugal	2 060.2	2 061.2	1 918.3	2 049.8	1 939.7	1 975.5	1 993.6	1 995.6	1 928.9
Qatar	11.2	4.5	7.0	7.5	7.5	7.5	7.5	7.5	7.5
Republic of Korea	2 252.8	2 228.8	2 073.0	2 168.2	2 040.8	2 049.4	2 088.8	2 034.4	1 975.4
Republic of Moldova	536.3	595.7	554.1	439.4	333.8	296.0	252.5	224.9	206.5
Romania	4 301.3	5 007.8	3 964.9	4 006.0	3 813.8	3 677.7	3 695.7	3 652.2	3 635.9
Russian Federation	31 959.2	30 892.6	31 585.2	30 521.7	30 344.8	31 100.6	31 959.8	32 078.6	32 738.5
Rwanda	107.9	120.0	172.3	174.4	168.2	179.1	198.6	188.0	181.4
Saint Kitts and Nevis									
Saint Lucia	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Saint Vincent and the Grenadines	1.4	1.1	1.3	1.0	0.8	0.8	0.8	0.8	0.7
Samoa	1.5	1.4	1.5	2.0	1.7	1.5	1.5	1.7	1.7
San Marino									
Sao Tome and Principe	1.1	1.2	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Saudi Arabia	710.0	1 008.0	1 603.9	2 117.0	2 074.6	2 393.8	2 593.8	2 600.0	2 529.2
Senegal	100.6	100.2	155.8	210.0	221.0	225.0	220.7	222.2	222.6
Serbia			1 529.6	1 546.2	1 537.4	1 553.8	1 539.4	1 517.7	1 468.0
Seychelles	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.2
Sierra Leone	55.2	73.3	148.5	155.4	133.9	137.5	144.6	164.4	149.1
Singapore									
Slovakia	1 067.0	1 100.0	918.0	948.7	904.6	904.3	917.7	902.6	915.1
Slovenia	648.6	659.0	625.5	630.6	628.9	623.0	630.7	639.9	625.4
Solomon Islands	2.8	2.8	3.0	3.1	3.0	3.0	3.0	3.0	3.1
Somalia	430.0	449.8	460.0	459.5	453.8	454.9	456.3	445.5	436.7
South Africa	2 306.0	3 044.0	3 123.0	3 538.4	3 752.6	3 873.0	3 853.0	3 825.0	3 771.0
South Sudan				2 616.0	2 369.1	2 416.5	2 452.7	3 057.3	2 796.1
Spain	6 106.6	6 370.2	6 357.1	6 825.0	7 335.6	7 460.4	7 606.1	7 623.1	7 455.0
Sri Lanka	153.3	162.8	209.1	300.0	471.6	447.6	491.5	513.3	506.4
Sudan				2 858.0	2 965.0	2 988.0	3 011.2	3 004.8	3 028.3
Suriname	8.0	7.7	6.5	5.0	3.5	3.0	3.0	2.5	2.8
Sweden	3 348.0	3 208.0	2 902.1	2 933.0	2 760.2	2 704.4	2 772.7	2 782.2	2 764.8
Switzerland	3 827.8	3 871.2	4 079.4	4 042.5	3 913.0	3 792.2	3 780.5	3 811.5	3 711.4
Syrian Arab Republic	1 157.3	1 510.5	1 459.0	1 389.4	1 078.5	1 087.3	1 316.7	1 242.6	1 209.2
Tajikistan	285.5	488.0	602.0	889.0	983.1	1 000.6	1 020.9	1 042.6	1 021.4
Thailand	520.1	888.2	911.0	1 159.0	1 259.0	1 292.0	1 317.0	1 296.0	1 222.0

TABLE 23.
PRODUCTION OF BOVINE MILK (THOUSAND TONNES) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2018	2019	2020	2021	2022
Timor-Leste									
Togo	11.0	12.0	7.1	11.2	11.5	11.6	9.4	11.5	11.6
Tonga	0.4	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3
Trinidad and Tobago	10.5	7.8	4.3	3.7	3.5	2.9	2.2	1.7	1.4
Tunisia	870.0	900.0	1 030.0	1 353.0	1 310.0	1 348.0	1 379.0	1 405.0	1 377.3
Türkiye	8 799.4	10 064.3	12 454.0	16 996.3	20 112.6	20 861.7	21 813.1	21 433.8	19 955.7
Turkmenistan	989.0	1 869.0	2 093.0	2 106.0	2 394.4	2 399.4	2 440.6	2 460.1	2 478.3
Tuvalu									
Uganda	686.0	1 317.8	1 418.0	1 616.0	2 101.0	1 683.3	1 660.4	1 671.3	1 674.0
Ukraine	12 436.0	13 423.8	10 977.2	10 359.4	9 825.6	9 447.8	9 057.9	8 516.5	7 595.6
United Arab Emirates	9.8	16.3	31.7	40.8	51.0	50.9	55.9	52.6	53.1
United Kingdom of Great Britain and Northern Ireland	14 488.0	14 473.0	14 071.0	15 324.0	15 311.0	15 671.5	15 685.9	15 670.4	15 540.6
United Republic of Tanzania	710.0	1 386.4	1 649.9	2 058.7	2 400.1	2 278.5	3 002.6	3 101.4	3 448.1
United States of America	75 928.2	80 254.6	87 487.6	94 619.0	98 687.3	99 083.3	101 291.4	102 644.9	102 721.6
Uruguay	1 421.7	1 667.6	1 820.7	2 247.5	2 238.2	2 233.0	2 271.2	2 342.2	2 286.7
Uzbekistan	3 487.2	4 447.2	6 133.8	8 994.8	10 415.7	10 662.3	10 930.1	11 242.7	11 599.1
Vanuatu	3.0	3.1	3.2	3.0	2.4	2.4	2.4	2.4	2.5
Venezuela (Bolivarian Republic of)	1 414.6	1 347.7	2 436.0	2 291.6	2 204.0	2 366.5	2 762.1	2 444.2	2 524.2
Viet Nam	83.4	235.3	347.5	773.1	991.6	1 043.0	1 107.6	1 129.4	1 184.7
Yemen	179.8	216.6	203.9	225.7	204.0	234.5	246.2	258.5	244.5
Zambia	346.8	388.8	410.0	382.5	429.0	447.9	438.4	463.0	514.3
Zimbabwe	478.8	386.3	395.6	423.4	415.6	400.5	408.8	418.5	423.6

Source: FAO. 2023. FAOSTAT: Production: Crops and livestock products. [Accessed on 15 November 2024].

<https://www.fao.org/faostat/en/#data/QCL>. Licence: CC-BY-4.0.

TABLE 24.
PRODUCTION OF HEN EGGS (THOUSAND TONNES)

COUNTRY	2000	2005	2010	2015	2018	2019	2020	2021	2022
World	51 151.3	56 701.1	64 214.3	72 158.9	80 385.9	84 067.1	87 142.4	87 116.8	86 999.6
Africa	1 980.7	2 333.7	2 762.8	3 317.7	3 480.9	3 790.0	4 014.3	3 930.4	4 007.5
Americas	10 491.8	11 700.5	13 118.6	14 659.9	16 853.4	17 256.3	17 638.5	17 741.4	17 540.2
Asia	29 045.5	32 593.8	37 637.1	43 083.4	48 782.0	51 689.0	54 172.5	54 172.4	54 386.5
Europe	9 434.0	9 868.4	10 450.3	10 790.0	10 925.5	10 987.9	10 985.0	10 912.3	10 756.8
Oceania	199.3	204.8	245.5	307.9	344.1	343.9	332.1	360.3	308.6
Afghanistan	15.0	21.8	16.3	19.8	20.8	21.4	21.9	21.4	21.6
Albania	21.0	27.3	31.3	52.3	52.1	54.5	54.2	56.6	48.9
Algeria	101.0	175.0	260.5	385.4	314.0	322.1	308.5	305.2	311.9
Andorra									
Angola	8.0	8.1	14.4	22.1	59.3	58.1	76.4	94.6	142.8
Antigua and Barbuda	0.2	0.3	0.3	0.3	0.5	0.5	0.6	0.6	1.1
Argentina	326.9	388.8	554.0	765.0	829.0	830.0	873.0	885.0	841.0
Armenia	21.4	28.8	38.2	36.3	36.3	36.0	41.5	39.1	41.2
Australia	143.0	138.6	174.0	229.3	258.9	255.5	241.3	269.1	226.0
Austria	86.1	89.3	94.6	111.3	127.6	129.4	134.3	138.7	
Azerbaijan	32.6	52.5	70.7	93.2	100.6	109.6	114.4	110.3	121.1
Bahamas	0.8	1.0	0.8	0.9	0.9	0.9	0.9	0.9	0.9
Bahrain	2.7	2.0	2.8	3.0	4.1	4.4	4.1	3.9	4.3
Bangladesh	125.0	185.0	188.0	354.0	499.7	381.6	559.0	559.0	499.9
Barbados	1.3	1.4	2.2	2.4	2.9	3.7	3.5	2.6	3.1
Belarus	182.3	172.4	196.0	211.4	199.6	201.6	195.5	197.4	193.9
Belgium	194.2	179.8	168.9	148.0					
Belize	1.7	1.5	2.5	2.5	3.1	3.0	2.9	2.9	3.1
Benin	4.5	10.6	9.9	14.7	15.4	15.8	13.8	15.3	17.6
Bhutan	0.4	0.2	1.1	2.8	4.0	5.8	7.1	5.5	4.1
Bolivia (Plurinational State of)	38.9	56.1	69.8	87.7	112.1	113.8	114.0	115.2	108.6
Bosnia and Herzegovina	18.2	17.6	20.8	21.7	22.0	24.1	24.8	19.5	22.8
Botswana	3.2	4.2	4.5	3.2	3.7	3.7	3.4	3.6	3.6
Brazil	1 509.5	1 674.9	1 948.0	2 260.9	3 030.3	3 150.1	3 260.6	3 298.1	3 342.4
Brunei Darussalam	4.8	5.7	7.0	7.4	8.8	9.1	9.8	9.8	9.9
Bulgaria	82.1	97.0	89.3	76.6					
Burkina Faso	39.3	45.0	55.0	61.0	67.0	69.0	68.0	68.0	68.3
Burundi	3.0	3.1	3.0	2.2	2.2	2.2	2.4	2.2	2.3
Cabo Verde	1.9	1.8	2.2	2.2	2.1	2.4	2.6	2.1	2.6
Cambodia	11.7	13.3	17.6	19.0	18.7	18.7	19.0	18.8	18.8
Cameroon	27.8	37.9	45.0	49.3	81.4	81.0	93.9	90.0	88.3
Canada	372.4	399.3	451.5	497.3	576.3	591.9	604.3	610.5	623.9
Central African Republic	2.1	2.2	3.1	2.5	2.0	2.4	2.4	2.3	2.4
Chad	6.6	6.8	7.2	4.1	4.1	4.1	4.1	4.1	4.1
Chile	109.8	126.4	190.8	225.7	247.1	220.0	228.0	229.0	220.3
China	18 911.9	21 040.6	23 820.1	26 271.6	27 229.8	28 854.6	30 250.4	29 749.3	29 627.3
Colombia	386.4	492.0	585.0	728.6	876.4	863.0	982.9	1 021.7	812.5
Comoros	1.0	1.1	1.1	1.0	1.0	1.0	1.0	1.0	1.0

TABLE 24.
PRODUCTION OF HEN EGGS (THOUSAND TONNES) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2018	2019	2020	2021	2022
Congo	1.1	1.3	1.6	1.5	1.5	1.5	1.5	1.5	1.5
Costa Rica	41.0	48.2	53.5	61.1	67.5	68.5	75.4	82.1	81.5
Côte d'Ivoire	33.0	28.7	28.8	57.2	66.5	66.0	75.1	65.3	66.1
Croatia	46.5	49.4	42.3	33.3					
Cuba	75.8	90.9	106.9	102.1	122.3	111.3	103.7	95.0	103.8
Cyprus	10.6	9.5	8.6	9.2	9.4	10.5			
Czechia	188.0	89.5	71.1	71.6	84.7	88.4			
Democratic People's Republic of Korea	110.0	130.0	114.0	127.0	128.0	121.6	127.4	125.8	124.9
Democratic Republic of the Congo	7.0	6.9	8.9	9.2	8.9	8.8	8.9	8.9	8.9
Denmark	74.3	79.8	76.4	84.1	77.0	82.0	89.0	93.0	88.0
Djibouti									
Dominica	0.5	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Dominican Republic	58.7	80.2	105.7	126.7	150.2	180.4	199.8	204.4	239.1
Ecuador	72.2	75.0	110.0	164.8	168.0	168.0	168.0	168.0	170.8
Egypt	176.7	235.0	291.2	355.7	403.8	540.2	602.2	654.4	614.2
El Salvador	61.3	67.4	64.7	72.0	67.8	67.0	61.3	59.9	62.7
Equatorial Guinea	0.3	0.4	0.4	0.3	0.2	0.2	0.3	0.2	0.2
Eritrea	1.7	2.0	2.2	2.6	2.3	2.2	2.2	2.2	2.2
Estonia	15.8	13.1	11.4	12.4	12.6	9.4	10.0	10.5	10.5
Eswatini	1.1	1.3	1.2	1.3	1.3	1.3	1.3	1.3	1.3
Ethiopia	28.6	35.0	39.0	54.4	51.2	53.2	50.1	51.5	51.6
Fiji	3.2	3.8	5.7	6.7	9.1	11.3	8.2	8.9	9.2
Finland	58.5	58.2	61.5	71.5	74.9	75.6	75.8	77.5	76.3
France	987.9	930.1	946.5	970.0					
Gabon	2.6	2.6	2.4	2.5	2.2	2.5	2.5	2.5	2.6
Gambia	0.7	0.8	0.8	1.0	0.9	0.9	0.9	0.9	0.9
Georgia	20.1	28.0	24.6	39.4	41.6	43.3	44.2	42.9	42.9
Germany	901.0	795.0	662.4	801.1	846.0	938.1	966.7	981.2	985.7
Ghana	22.8	25.7	36.7	46.6	51.4	48.4	51.5	51.5	50.5
Greece	116.6	110.1	99.8	105.9					
Grenada	1.0	1.1	1.4	1.4	2.1	2.8	3.0	3.0	2.9
Guatemala	81.0	191.6	219.7	259.6	275.0	211.4	268.2	267.8	249.1
Guinea	13.3	19.9	25.1	19.8	28.8	32.0	29.0	30.0	30.3
Guinea-Bissau	1.0	1.1	1.3	1.4	1.4	1.3	1.3	1.3	1.3
Guyana	1.5	1.2	0.7	1.3	1.6	2.3	3.1	2.9	1.8
Haiti	4.1	4.4	4.4	4.5	4.5	4.6	4.6	4.6	4.6
Honduras	41.2	40.9	44.2	51.5	51.6	51.6	51.6	51.6	51.6
Hungary	176.4	164.6	151.8	141.9					
Iceland	2.6	2.8	2.7	3.8	4.8	5.1	4.3	4.2	4.0
India	2 035.0	2 568.0	3 378.1	4 316.6	5 236.9	6 291.1	6 712.7	6 710.0	6 571.2
Indonesia	642.0	856.6	1 121.1	1 372.8	4 688.1	4 753.4	5 141.6	5 524.7	5 941.6
Iran (Islamic Republic of)	580.0	759.0	767.0	777.1	723.6	869.4	755.6	782.9	802.6
Iraq	29.6	51.7	46.3	28.3	42.8	48.5	55.9	135.0	79.8
Ireland	32.4	37.5	45.0	49.5					

TABLE 24.
PRODUCTION OF HEN EGGS (THOUSAND TONNES) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2018	2019	2020	2021	2022
Israel	87.9	92.4	102.5	122.3	138.7	148.2	148.6	166.0	171.4
Italy	686.1	722.2	716.8	706.8	736.4	717.4			
Jamaica	5.8	5.1	6.0	8.1	10.4	9.0	11.2	11.9	12.5
Japan	2 535.4	2 481.0	2 515.3	2 520.9	2 627.8	2 639.7	2 632.9	2 574.3	2 596.7
Jordan	45.8	40.6	69.3	53.2	86.3	78.9	50.7	48.8	48.6
Kazakhstan	93.8	139.4	207.3	264.3	278.8	275.7	252.4	240.7	251.4
Kenya	60.7	57.9	92.6	77.4	91.1	98.5	110.4	89.6	73.0
Kiribati	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.3
Kuwait	21.3	26.0	40.0	72.0	79.7	72.9	80.2	77.6	76.9
Kyrgyzstan	11.4	17.7	20.8	24.2	29.3	30.9	30.9	31.0	33.4
Lao People's Democratic Republic	10.0	13.0	15.0	16.1	15.9	16.9	17.6	16.8	17.1
Latvia	24.4	33.4	45.0	43.5					
Lebanon	43.2	45.5	42.5	51.0	54.3	60.2	42.2	55.3	55.5
Lesotho	1.5	1.6	1.7	1.1	1.4	1.4	1.4	1.4	1.4
Liberia	4.2	4.6	5.2	6.6	6.1	6.1	6.2	6.3	6.4
Libya	60.0	73.1	72.7	68.2	72.7	81.5	72.0	73.2	74.5
Lithuania	41.5	50.9	46.4	45.6	51.1	48.2			
Luxembourg	0.9	1.4	1.7	2.0	2.1	2.2	2.2	2.3	
Madagascar	14.9	15.1	16.3	17.4	17.7	17.6	17.7	17.6	17.6
Malawi	19.5	20.2	20.7	22.4	23.2	23.0	23.3	23.6	23.9
Malaysia	390.6	442.0	586.6	779.2	804.8	654.5	774.2	817.7	720.4
Maldives									
Mali	20.6	20.4	23.9	25.9	14.9	22.4	18.7	13.2	18.1
Malta	5.4	5.9	5.1	4.9	5.8	5.5			
Marshall Islands									
Mauritania	4.9	5.1	5.4	5.4	5.5	5.5	5.6	5.6	5.6
Mauritius	12.5	13.0	10.2	12.0	12.8	13.5	12.0	12.2	16.3
Mexico	1 787.9	2 024.7	2 381.4	2 652.5	2 871.9	2 949.8	3 016.0	3 046.9	3 101.9
Micronesia (Federated States of)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Mongolia	0.4	1.2	3.0	5.6	7.6	8.9	8.5	10.4	11.7
Montenegro			3.2	5.1	6.1	5.3	5.7	5.7	8.8
Morocco	235.0	232.0	244.0	324.5	396.0	414.0	415.0	415.0	390.2
Mozambique	1.7	4.3	7.6	7.2	8.7	10.1	11.6	13.7	14.6
Myanmar	112.0	186.6	342.1	509.6	76.2	94.6	111.6	111.4	111.4
Namibia	1.6	3.0	3.4	2.5	2.6	2.7	2.7	2.7	2.7
Nauru	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nepal	22.2	28.8	31.5	43.3	74.9	76.7	80.2	73.8	65.3
Netherlands (Kingdom of the)	668.0	607.0	670.0	660.6					
New Zealand	43.0	50.9	53.1	57.5	61.9	62.8	68.2	68.0	59.1
Nicaragua	19.7	20.4	24.5	33.4	35.1	35.7	37.4	35.6	38.1
Niger	7.8	8.3	7.5	9.7	10.3	10.4	10.6	10.6	10.6
Nigeria	400.0	500.4	609.1	660.0	640.0	640.0	710.8	640.0	663.6
North Macedonia	25.5	19.0	18.8	10.0	8.9	6.9	9.0	6.4	7.3
Norway	47.8	50.7	59.6	67.4	71.1	73.5	73.1	73.5	74.0

TABLE 24.
PRODUCTION OF HEN EGGS (THOUSAND TONNES) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2018	2019	2020	2021	2022
Oman	6.8	9.5	9.3	18.8	22.3	25.1	26.2	28.7	31.4
Pakistan	344.1	400.9	556.4	721.3	847.7	895.4	946.3	1 000.3	1 058.1
Palau									
Panama	12.4	28.1	24.6	35.7	38.3	40.4	42.8	42.5	41.9
Papua New Guinea	4.5	4.8	5.0	5.2	5.5	5.5	5.5	5.2	5.2
Paraguay	67.6	107.0	128.0	103.3	130.4	116.9	112.8	110.6	121.6
Peru	162.3	182.3	285.1	386.3	452.2	488.5	497.5	504.1	511.0
Philippines	243.4	320.3	387.3	444.6	533.9	583.2	605.8	661.4	708.5
Poland	423.7	536.0	618.5	582.3					
Portugal	117.4	118.1	131.1	144.8	142.8	141.6	146.2	141.9	149.7
Qatar	2.7	4.1	4.5	4.5	8.4	7.9	9.1	9.4	12.5
Republic of Korea	478.8	514.9	590.0	724.1	756.6	735.3	734.6	735.5	753.1
Republic of Moldova	32.0	42.5	40.2	35.2	37.9	37.8	34.5	31.8	32.6
Romania	262.9	355.4	297.5	319.2	285.7	278.2			
Russian Federation	1 894.6	2 049.9	2 260.6	2 357.2	2 486.3	2 491.5	2 492.2	2 496.4	2 560.1
Rwanda	2.2	2.7	2.9	7.3	7.8	7.8	7.7	7.8	7.8
Saint Kitts and Nevis	0.2	0.2	0.2	0.3	0.2	0.1	0.2	0.3	0.3
Saint Lucia	0.5	1.1	0.7	0.8	1.0	1.0	0.9	1.1	1.1
Saint Vincent and the Grenadines	0.5	0.8	0.6	0.6	0.6	0.6	0.6	0.7	0.6
Samoa	0.3	0.3	0.4	0.3	0.4	0.4	0.4	0.4	0.4
San Marino									
Sao Tome and Principe	0.4	0.5	0.6	0.4	0.2	0.2	0.2	0.2	0.2
Saudi Arabia	128.5	169.5	219.3	275.0	345.0	382.0	350.0	359.2	375.0
Senegal	10.4	20.2	23.6	28.2	36.8	41.5	59.6	45.9	68.9
Serbia			69.5	103.0	89.8	88.7	85.3	85.5	81.6
Seychelles	2.2	1.2	1.1	1.4	1.5	1.7	1.7	1.7	1.8
Sierra Leone	5.2	4.3	11.3	11.4	11.5	11.6	11.6	11.6	11.6
Singapore	16.0	20.6	20.4	25.3	29.3	31.7	37.0	38.6	36.5
Slovakia	60.8	62.9	70.6	66.9	74.9	71.5			
Slovenia	22.7	14.3	21.6	20.4	23.8	24.8			
Solomon Islands	0.5	0.5	0.7	0.6	0.6	0.6	0.6	0.6	0.6
Somalia	2.5	2.7	2.5	2.5	2.7	2.7	2.7	2.7	2.7
South Africa	329.0	375.0	413.0	523.1	475.6	565.0	594.0	549.0	562.0
South Sudan				0.0					
Spain	657.6	708.4	812.5	805.1	839.3				
Sri Lanka	52.3	49.0	64.7	110.0	110.4	116.7	104.7	109.4	103.5
Sudan				55.0	65.0	70.0	75.4	70.1	71.8
Suriname	3.0	2.7	2.3	3.6	3.7	4.6	3.8	5.0	4.5
Sweden	102.0	102.0	111.0	130.0	141.1	149.8	149.1	128.1	
Switzerland	39.8	41.1	47.0	55.2	60.6	62.3	66.3	71.3	70.6
Syrian Arab Republic	127.3	155.2	163.3	112.0	112.0	122.9	121.5	104.9	89.5
Tajikistan	1.5	5.5	13.1	20.0	24.8	30.0	42.0	42.0	42.0
Thailand	514.6	468.7	612.5	690.0	710.0	696.1	704.8	713.6	726.3
Timor-Leste	1.1	0.9	1.1	1.1	1.5	1.5	1.5	1.5	1.5

TABLE 24.
PRODUCTION OF HEN EGGS (THOUSAND TONNES) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2018	2019	2020	2021	2022
Togo	6.3	8.0	9.3	12.8	24.3	24.3	21.0	23.2	30.8
Tonga	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.1	0.1
Trinidad and Tobago	3.4	3.8	5.3	3.2	3.6	5.3	5.2	4.5	4.9
Tunisia	82.0	84.0	92.0	124.8	101.5	102.0	103.8	97.8	97.6
Türkiye	844.3	753.3	740.0	1 045.5	1 227.7	1 243.6	1 236.8	1 206.1	1 238.0
Turkmenistan	21.0	45.1	49.5	61.6	77.9	80.5	90.1	84.0	84.9
Tuvalu	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Uganda	20.4	22.0	43.4	28.3	45.0	45.0	44.7	44.9	44.9
Ukraine	496.6	748.1	973.9	959.5	922.3	953.5	924.3	804.5	681.6
United Arab Emirates	14.6	17.2	28.0	47.8	57.0	61.7	53.7	60.0	58.5
United Kingdom of Great Britain and Northern Ireland	568.6	609.0	658.0	699.0	777.0	791.0	774.0	806.0	634.0
United Republic of Tanzania	85.9	93.7	83.4	101.8	142.1	160.9	182.3	203.0	224.1
United States of America	5 017.0	5 350.0	5 437.0	5 756.6	6 518.5	6 706.8	6 658.8	6 639.4	6 528.4
Uruguay	37.0	41.6	52.5	44.5	48.9	56.2	58.0	56.2	58.0
Uzbekistan	68.3	109.0	169.6	308.8	415.8	432.5	433.6	434.0	453.0
Vanuatu	0.4	0.4	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Venezuela (Bolivarian Republic of)	174.6	173.6	241.6	199.7	137.3	184.2	170.8	164.1	177.7
Viet Nam	185.4	197.4	321.1	443.7	349.4	410.0	473.7	411.0	436.2
Yemen	31.1	48.4	60.6	66.7	59.6	70.4	73.9	77.6	74.0
Zambia	39.2	42.3	49.5	63.0	67.0	65.7	66.2	66.3	66.3
Zimbabwe	22.0	25.9	29.8	16.0	24.5	24.5	22.4	21.5	22.2

Source: FAO. 2023. FAOSTAT: Production: Crops and livestock products. [Accessed on 15 November 2024].

<https://www.fao.org/faostat/en/#data/QCL>. Licence: CC-BY-4.0.

TABLE 25.
CAPTURE FISHERIES AND AQUACULTURE PRODUCTION, 2022 (THOUSAND TONNES)

COUNTRY	MARINE FISHES	FRESHWATER FISHES	MOLLUSCS	CRUSTACEANS	DIADROMOUS FISHES	MISCELLANEOUS AQUATIC ANIMALS	TOTAL
World	70 123.0	61 903.6	25 239.6	18 793.0	7 772.1	1 611.0	185 442.3
Africa	7 384.7	5 017.8	247.9	255.9	27.7	1.9	12 936.0
Americas	14 272.8	1 552.0	2 494.0	2 897.1	1 690.3	117.1	23 023.1
Asia	34 815.1	54 740.2	21 285.9	14 920.3	3 243.3	1 456.2	130 460.9
Europe	12 125.2	579.5	1 051.0	676.8	2 707.9	33.1	17 173.4
Oceania	1 484.7	14.1	160.9	42.9	102.9	2.7	1 808.2
Afghanistan		13.1			0.1		13.2
Albania	10.4	2.9	1.3	1.5	1.5	0.0	17.6
Algeria	80.6	2.2	1.1	2.1	0.0		86.0
Andorra		0.0					0.0
Angola	439.3	25.3	1.0	6.1	0.0		471.7
Antigua and Barbuda	1.3	0.0	1.6	0.3			3.2
Argentina	409.1	14.5	215.0	210.6	4.6	0.0	853.8
Armenia		1.1		0.9	22.9		25.0
Australia	141.6	0.9	23.5	34.9	86.5	0.7	288.2
Austria		1.5		0.0	3.6		5.1
Azerbaijan	0.1	0.7		0.0	1.5		2.3
Bahamas	0.2	0.0	1.8	7.1		0.0	9.1
Bahrain	5.9	0.0	0.2	6.2	0.2	7.4	19.9
Bangladesh	487.0	3 430.6		274.6	566.6	0.0	4 758.7
Barbados	0.9	0.0	0.0	0.0			0.9
Belarus		7.2		0.0	0.3		7.5
Belgium	13.8	0.4	2.7	1.9	0.1	0.0	19.0
Belize	199.9	0.1	4.0	1.9		0.0	205.9
Benin	46.6	28.2	0.0	3.5	2.3	0.0	80.7
Bhutan		0.2			0.0		0.2
Bolivia (Plurinational State of)	0.0	28.7			0.6		29.3
Bosnia and Herzegovina	0.1	0.7	0.0		3.4		4.3
Botswana		0.2					0.2
Brazil	470.6	833.7	20.1	169.9	1.8	0.2	1 496.3
Brunei Darussalam	13.7	0.0	0.0	7.1	0.1	0.0	21.1
Bulgaria	2.8	4.3	4.1	0.0	3.8	0.0	15.1
Burkina Faso		30.8		0.1			30.9
Burundi		20.5					20.5
Cabo Verde	7.7	0.0	0.0	0.0		0.0	7.8
Cambodia	104.6	715.4	25.7	17.2	0.8	0.2	864.0
Cameroon	222.0	42.6	0.0	44.0	0.5		309.2
Canada	253.4	19.1	155.9	272.8	143.1	14.2	858.5
Central African Republic		29.2					29.2
Chad		107.1					107.1
Chile	2 021.9	0.0	561.7	46.6	1 074.2	30.2	3 734.6
China	10 697.3	27 584.4	17 727.5	8 942.7	597.6	1 279.6	66 829.2
Colombia	85.7	186.5	0.6	7.8	32.0		312.5
Comoros	18.9	0.0	0.0	0.0	0.0		18.9

TABLE 25.
CAPTURE FISHERIES AND AQUACULTURE PRODUCTION, 2022 (THOUSAND TONNES) (CONTINUED)

COUNTRY	MARINE FISHES	FRESHWATER FISHES	MOLLUSCS	CRUSTACEANS	DIADROMOUS FISHES	MISCELLANEOUS AQUATIC ANIMALS	TOTAL
Congo	24.0	40.2	0.0	0.5	0.4		65.1
Costa Rica	34.4	14.1	0.0	1.4	0.6	0.0	50.4
Côte d'Ivoire	70.6	32.5	0.0	1.4	1.6	0.0	106.1
Croatia	82.8	4.0	2.0	1.1	0.5	0.4	90.8
Cuba	8.4	14.1	0.7	6.7	0.0	0.0	29.9
Cyprus	8.7	0.0	0.0	0.0	0.1		8.9
Czechia		21.8			0.8		22.6
Democratic People's Republic of Korea	183.7	20.1	72.0	15.9	0.1	0.3	292.0
Democratic Republic of the Congo	8.8	270.9					279.7
Denmark	408.0	2.6	44.3	14.2	26.6	0.4	496.1
Djibouti	3.1	0.0	0.0	0.0			3.1
Dominica	0.3	0.0		0.0			0.3
Dominican Republic	13.0	5.2	1.6	2.0	0.0	0.0	21.8
Ecuador	670.2	9.8	6.3	1 120.9	4.0	0.2	1 811.3
Egypt	612.4	1 336.3	7.9	34.4	1.6	0.0	1 992.6
El Salvador	57.6	12.8	0.1	2.5			73.0
Equatorial Guinea	5.5	1.1	0.0	0.0	0.0	0.0	6.6
Eritrea	1.5	0.0	0.0	0.0	0.0		1.6
Estonia	57.2	4.2	0.0	11.3	1.7		74.4
Eswatini		0.2		0.0			0.2
Ethiopia	0.0	102.2	0.0	0.0	0.3		102.5
Fiji	28.6	0.1	2.9	0.7	0.0	0.2	32.5
Finland	82.6	30.1		0.2	26.1		139.0
France	372.7	2.4	248.8	13.9	36.5	0.3	674.5
Gabon	18.9	11.5	0.4	0.3		0.0	31.1
Gambia	49.2	1.8	0.7	2.3			54.0
Georgia	197.8	1.3	0.0		1.5		200.5
Germany	150.5	23.5	9.2	10.3	12.7	0.0	206.3
Ghana	426.4	214.7	5.2	2.2	3.9		652.3
Greece	181.4	0.8	16.4	6.5	2.3	0.0	207.4
Grenada	1.8	0.0	0.0	0.0		0.0	1.9
Guatemala	13.5	19.5	0.0	25.5	0.1		58.6
Guinea	286.7	44.4	2.3	0.7	1.9		336.1
Guinea-Bissau	63.6	0.2	0.0	0.0			63.9
Guyana	26.3	0.1		10.8			37.2
Haiti	15.4	2.3	0.1	0.6		0.0	18.4
Honduras	12.4	38.5	3.2	38.5		0.7	93.4
Hungary		23.4		0.0	0.2		23.5
Iceland	1 410.6	0.0	0.4	2.5	51.1	3.2	1 467.8
India	3 034.3	10 796.0	349.6	1 508.9	28.1	0.0	15 716.9
Indonesia	6 033.4	4 107.5	351.7	1 349.7	828.0	50.6	12 720.9
Iran (Islamic Republic of)	690.0	307.0	4.0	71.6	219.6	0.0	1 292.2
Iraq	12.9	53.1		1.3	0.3		67.6
Ireland	150.0	0.0	40.3	16.4	12.4	0.0	219.1

TABLE 25.
CAPTURE FISHERIES AND AQUACULTURE PRODUCTION, 2022 (THOUSAND TONNES) (CONTINUED)

COUNTRY	MARINE FISHES	FRESHWATER FISHES	MOLLUSCS	CRUSTACEANS	DIADROMOUS FISHES	MISCELLANEOUS AQUATIC ANIMALS	TOTAL
Israel	5.7	8.5	0.2	0.1	1.4		15.9
Italy	105.0	3.7	117.6	15.3	33.5	0.0	275.1
Jamaica	9.3	1.8	2.0	0.3		0.0	13.5
Japan	2 500.1	3.4	799.5	45.3	151.2	29.0	3 528.5
Jordan	0.3	3.0					3.3
Kazakhstan	2.5	46.8			2.9		52.1
Kenya	31.5	127.2	3.2	10.7	0.8	0.1	173.6
Kiribati	203.3	0.0	0.0	0.0	0.0	0.0	203.3
Kuwait	1.1	0.5		0.8	0.0		2.4
Kyrgyzstan		6.4			14.3		20.7
Lao People's Democratic Republic		217.3				0.1	217.4
Latvia	60.0	1.5	0.0	0.0	0.9		62.4
Lebanon	2.6	0.0	0.0	0.0	0.9		3.6
Lesotho		0.1			1.8		1.9
Liberia	26.4	1.9	0.2	0.1	2.2	0.0	30.7
Libya	30.2	0.0	1.8	0.5			32.6
Lithuania	98.5	5.4	0.6	6.7	0.6		111.8
Luxembourg		0.0					0.0
Madagascar	69.4	20.3	19.3	25.7	0.0	1.1	135.7
Malawi		194.0		0.0	0.0		194.0
Malaysia	1 090.7	124.7	90.5	169.3	86.8	22.6	1 584.6
Maldives	155.2	0.0	0.0	0.0		0.0	155.2
Mali		119.2					119.2
Malta	20.7	0.0	0.1	0.1	0.0	0.0	20.9
Marshall Islands	91.6	0.0	0.0	0.0			91.6
Mauritania	716.1	15.0	45.1	4.2		0.0	780.4
Mauritius	34.2	0.0	0.6	0.0		0.0	34.8
Mexico	1 419.6	71.5	119.7	288.1	11.8	57.4	1 968.1
Micronesia (Federated States of)	178.0	0.0	0.0	0.0	0.0	0.0	178.1
Mongolia		0.0					0.0
Montenegro	0.8	0.2	0.3	0.0	0.7		1.9
Morocco	1 463.9	15.9	90.1	10.6	0.5		1 581.0
Mozambique	298.6	134.1	7.1	22.0		0.0	461.9
Myanmar	984.0	1 972.0	0.9	101.1	2.2	1.6	3 061.8
Namibia	409.4	2.8	0.7	3.1		0.0	416.0
Nauru	106.8				0.0		106.8
Nepal		107.8			0.6		108.4
Netherlands (Kingdom of the)	253.9	3.5	61.9	15.8	2.8	0.1	338.1
New Zealand	304.2	0.0	127.0	4.2	15.4	1.0	451.9
Nicaragua	33.4	0.7	6.7	38.0		6.5	85.3
Niger		48.2					48.2
Nigeria	371.8	613.5	4.6	53.3			1 043.2
North Macedonia		0.6			1.7		2.3
Norway	2 104.8	0.0	3.2	344.5	1 638.2	0.0	4 090.7

TABLE 25.
CAPTURE FISHERIES AND AQUACULTURE PRODUCTION, 2022 (THOUSAND TONNES) (CONTINUED)

COUNTRY	MARINE FISHES	FRESHWATER FISHES	MOLLUSCS	CRUSTACEANS	DIADROMOUS FISHES	MISCELLANEOUS AQUATIC ANIMALS	TOTAL
Oman	731.8	0.3	14.8	5.0			751.8
Pakistan	303.6	315.8	13.3	28.1	1.9	2.8	665.5
Palau	0.8	0.0	0.0	0.0	0.0	0.0	0.8
Panama	186.9	0.3	0.0	11.3	0.0	0.0	198.5
Papua New Guinea	224.7	12.5	0.0	1.1	1.0	0.0	239.3
Paraguay		37.9		0.0			37.9
Peru	4 747.6	36.0	517.8	93.7	61.6	1.4	5 458.1
Philippines	1 463.7	401.9	142.6	166.7	395.0	1.8	2 571.8
Poland	156.7	43.2	0.0	0.1	24.6		224.6
Portugal	149.8	0.0	26.7	2.2	0.9	0.0	179.6
Qatar	17.2	0.0	0.3	1.1	0.0		18.5
Republic of Korea	1 024.4	13.4	604.9	128.5	29.8	28.7	1 829.8
Republic of Moldova		12.8		0.0	0.1		12.9
Romania	0.3	10.6	2.9	0.1	3.6	0.0	17.5
Russian Federation	4 229.3	320.7	120.0	116.8	488.3	28.0	5 303.0
Rwanda		44.9					44.9
Saint Kitts and Nevis	0.2	0.0	0.3	0.1			0.7
Saint Lucia	1.3	0.0	0.1	0.0			1.5
Saint Vincent and the Grenadines	1.1	0.0	0.4	0.1		0.0	1.6
Samoa	7.2	0.0	1.4	0.3		0.7	9.6
San Marino		0.0					0.0
Sao Tome and Principe	5.6	0.0	0.1	0.0			5.7
Saudi Arabia	59.2	30.1	4.4	73.5	16.9	0.0	184.1
Senegal	472.1	30.4	25.4	7.4	0.0		535.3
Serbia		6.4			1.7		8.2
Seychelles	137.1	0.0	0.0	0.1		0.7	137.8
Sierra Leone	202.7	2.2	0.7	1.5	8.2		215.3
Singapore	1.8	0.4	0.3	0.2	1.9	0.3	5.0
Slovakia		3.4			1.1		4.5
Slovenia	0.2	0.3	0.6	0.0	0.8		1.9
Solomon Islands	47.8	0.0	0.0	0.0	0.0	0.0	47.8
Somalia	28.7	0.2	0.6	0.5			30.0
South Africa	458.3	1.3	11.2	2.3	1.1	0.0	474.3
South Sudan		47.0					47.0
Spain	788.8	0.2	255.6	19.4	17.1	0.7	1 081.8
Sri Lanka	248.5	101.0	7.5	28.5	0.9	4.8	391.1
Sudan	3.2	50.0					53.3
Suriname	25.4	0.9		7.5			33.7
Sweden	135.8	8.1	2.4	4.8	12.4		163.4
Switzerland		1.6		0.0	2.3		4.0
Syrian Arab Republic	1.7	4.3	0.0	0.1			6.2
Tajikistan		4.5			0.2		4.7
Thailand	1 054.0	524.1	200.2	542.3	54.4	11.7	2 386.7

TABLE 25.
CAPTURE FISHERIES AND AQUACULTURE PRODUCTION, 2022 (THOUSAND TONNES) (CONTINUED)

COUNTRY	MARINE FISHES	FRESHWATER FISHES	MOLLUSCS	CRUSTACEANS	DIADROMOUS FISHES	MISCELLANEOUS AQUATIC ANIMALS	TOTAL
Timor-Leste	6.7	0.4	0.0	0.0	0.0	0.0	7.1
Togo	15.0	7.7	0.0	0.0	0.0		22.7
Tonga	1.3	0.0	0.0	0.0	0.0	0.0	1.3
Trinidad and Tobago	12.2	0.0	0.0	0.8			13.1
Tunisia	127.3	1.4	11.3	9.3	0.3	0.0	149.5
Türkiye	576.6	24.1	48.4	5.4	194.8	0.5	849.8
Turkmenistan	0.0	0.5		0.0	14.8		15.3
Tuvalu	42.8	0.0			0.0		42.8
Uganda		546.3		0.0			546.3
Ukraine	1.1	26.7	0.0	9.0	0.5	0.0	37.4
United Arab Emirates	66.8	0.1	0.7	0.7	0.8		69.0
United Kingdom of Great Britain and Northern Ireland	500.4	0.7	83.1	59.3	183.6	0.0	827.0
United Republic of Tanzania	93.3	432.6	7.2	6.2	0.0	0.0	539.3
United States of America	3 108.3	169.4	739.2	358.1	355.6	4.4	4 734.9
Uruguay	50.4	8.2	9.0	1.2	0.1	0.0	68.9
Uzbekistan		184.0			1.2		185.3
Vanuatu	82.1	0.0	5.9	0.0	0.0	0.0	88.1
Venezuela (Bolivarian Republic of)	164.3	26.3	19.4	50.3	0.2	0.0	260.5
Viet Nam	2 879.1	3 614.2	814.4	1 425.5	2.7	14.0	8 749.9
Yemen	164.1	0.0	12.2	1.8		0.0	178.2
Zambia		185.1		0.0			185.1
Zimbabwe		34.5		0.0	0.0		34.5

Source: FAO. 2024. FishStat: Global production by production source 1950–2022. [Accessed on 15 November 2024]. In: FishStatJ. <https://www.fao.org/fishery/en/statistics/software/fishstatj>. Licence: CC-BY-4.0.

TABLE 26.
CAPTURE FISHERIES AND AQUACULTURE PRODUCTION BY MODE (THOUSAND TONNES)

COUNTRY	AQUACULTURE				CAPTURE FISHERIES			
	2000	2010	2015	2022	2000	2010	2015	2022
World	32 420.3	57 759.2	72 884.6	94 412.7	93 563.5	87 183.2	91 601.2	91 029.5
Africa	399.6	1 288.9	1 788.1	2 316.8	6 772.4	7 793.3	8 889.8	10 619.2
Americas	1 423.4	2 514.7	3 280.4	4 958.1	25 754.5	17 571.2	17 569.0	18 065.1
Asia	28 422.5	51 233.0	64 682.3	83 399.2	43 563.8	46 711.4	49 551.9	47 061.8
Europe	2 052.9	2 533.0	2 956.1	3 503.4	16 179.8	13 872.3	14 170.2	13 670.0
Oceania	121.8	189.7	177.8	235.2	1 088.6	1 216.2	1 362.9	1 573.0
Afghanistan	0.3	2.3	5.5	11.2	1.0	1.0	1.8	2.0
Albania	0.3	2.5	3.5	8.8	3.3	5.1	7.9	8.7
Algeria	0.4	1.8	1.3	5.2	113.2	93.5	95.8	80.8
Andorra					0.0	0.0	0.0	0.0
Angola	0.0	0.3	0.9	2.3	239.4	310.0	495.2	469.3
Antigua and Barbuda	0.0	0.0	0.0	0.0	1.7	2.2	3.2	3.2
Argentina	1.8	2.7	3.7	6.0	921.8	811.7	814.3	847.8
Armenia	0.9	5.1	15.1	24.0	1.1	0.6	8.1	1.0
Australia	32.1	75.7	83.1	125.2	192.5	178.0	149.7	162.9
Austria	2.8	2.2	3.5	4.7	0.4	0.4	0.4	0.4
Azerbaijan	0.1	1.0	0.6	0.5	18.8	1.1	0.6	1.8
Bahamas	0.0	0.0	0.0	0.0	15.4	16.2	11.3	9.1
Bahrain	0.0	0.0	0.0	0.1	11.7	13.5	16.5	19.8
Bangladesh	657.1	1 308.5	2 060.4	2 731.1	1 004.3	1 726.6	1 623.8	2 027.7
Barbados	0.0	0.0	0.0	0.0	3.2	3.3	1.5	0.9
Belarus	6.7	16.3	9.1	7.2	0.6	0.9	0.9	0.4
Belgium	1.9	0.5	0.1	0.2	29.8	22.4	24.7	18.7
Belize	3.6	7.4	4.2	1.1	30.3	399.9	97.5	204.8
Benin	0.0	0.5	4.6	4.6	32.3	39.8	36.5	76.1
Bhutan	0.0	0.0	0.1	0.2	0.1	0.0	0.0	0.0
Bolivia (Plurinational State of)	0.4	0.9	4.2	21.5	6.1	6.9	7.0	7.8
Bosnia and Herzegovina	0.0	7.6	4.5	4.0	0.3	0.3	0.3	0.3
Botswana	0.0	0.0	0.0	0.2	0.2	0.1	0.1	0.0
Brazil	172.5	411.0	577.6	737.8	666.8	785.4	709.2	758.5
Brunei Darussalam	0.1	0.5	1.0	5.0	2.5	2.4	3.4	16.1
Bulgaria	3.7	7.9	13.5	9.5	8.7	10.8	8.8	5.6
Burkina Faso	0.0	0.2	0.2	0.8	8.5	14.5	20.8	30.0
Burundi	0.1	0.0	0.4	0.5	17.3	17.3	20.1	19.9
Cabo Verde	0.0	0.0	0.0	0.0	10.6	21.4	39.4	7.8
Cambodia	14.4	60.0	144.8	330.5	281.6	490.0	608.4	533.5
Cameroon	0.1	0.6	2.0	10.1	112.1	181.0	224.0	299.0
Canada	127.7	162.3	187.5	166.5	998.2	933.5	859.6	692.1
Central African Republic	0.1	0.1	0.2	0.2	15.0	35.0	28.0	29.0
Chad	0.0	0.0	0.2	0.1	83.2	91.0	100.0	107.0
Chile	391.6	701.1	1 045.8	1 508.6	4 300.2	2 679.7	1 786.0	2 226.1
China	21 770.9	35 828.1	44 065.0	53 151.1	15 901.0	15 829.9	17 512.8	13 678.1
Colombia	61.8	80.4	95.9	204.9	137.1	81.2	81.9	107.6

TABLE 26.
CAPTURE FISHERIES AND AQUACULTURE PRODUCTION BY MODE (THOUSAND TONNES) (CONTINUED)

COUNTRY	AQUACULTURE				CAPTURE FISHERIES			
	2000	2010	2015	2022	2000	2010	2015	2022
Comoros					12.0	63.4	11.8	18.9
Congo	0.1	0.3	0.6	1.0	46.0	65.2	69.3	64.1
Costa Rica	9.7	26.8	23.6	16.8	35.2	17.9	14.8	33.7
Côte d'Ivoire	1.2	1.7	4.0	6.2	80.3	48.0	98.6	99.9
Croatia	6.9	15.7	16.9	27.2	21.1	52.8	73.9	63.7
Cuba	32.8	31.4	32.1	15.4	68.4	24.0	25.6	14.5
Cyprus	1.9	4.1	5.8	7.6	68.3	1.4	1.5	1.3
Czechia	19.5	20.4	20.2	19.3	4.7	4.0	3.8	3.4
Democratic People's Republic of Korea	66.7	64.5	65.8	77.7	212.9	217.5	220.0	214.3
Democratic Republic of the Congo	2.1	3.0	3.0	5.3	244.6	224.5	230.7	274.4
Denmark	43.6	35.2	35.8	37.9	1 534.1	828.1	869.0	458.2
Djibouti					0.8	1.6	2.0	3.1
Dominica	0.0	0.0	0.0	0.0	1.2	0.7	1.0	0.3
Dominican Republic	2.1	1.3	2.3	3.8	11.0	14.5	11.9	18.0
Ecuador	61.3	272.7	426.7	1 122.9	596.5	399.9	632.6	688.3
Egypt	340.1	919.6	1 174.8	1 552.4	384.3	385.2	344.1	440.2
El Salvador	0.3	4.5	6.7	12.9	9.6	39.6	54.5	60.1
Equatorial Guinea	0.0	0.0	0.0	0.0	3.6	7.4	6.4	6.6
Eritrea	0.0	0.0	0.0	0.0	12.6	3.6	6.2	1.6
Estonia	0.2	0.6	0.8	0.8	113.1	95.4	72.8	73.6
Eswatini	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1
Ethiopia	0.0	0.0	0.1	1.1	15.7	18.1	50.5	101.4
Fiji	1.8	0.2	0.1	0.2	40.7	41.8	41.0	32.4
Finland	15.4	11.8	14.9	16.3	156.4	156.1	182.9	122.7
France	266.8	203.0	163.3	200.1	626.1	428.9	495.8	474.5
Gabon	0.6	0.1	0.0	0.1	47.8	32.7	33.0	31.0
Gambia	0.0	0.0	0.0	0.0	29.0	46.6	56.0	53.9
Georgia	0.1	0.9	1.7	2.7	1.8	46.0	22.5	197.8
Germany	65.9	40.7	29.9	26.5	204.1	243.1	261.7	179.7
Ghana	5.0	10.2	44.6	132.7	454.3	351.5	344.1	519.6
Greece	95.4	121.2	107.0	142.0	99.3	70.2	65.4	65.5
Grenada	0.0	0.0	0.0	0.0	1.7	2.2	2.5	1.9
Guatemala	4.0	22.8	22.2	42.3	39.2	22.3	15.2	16.3
Guinea	0.0	0.2	0.4	1.2	91.5	113.5	184.7	334.9
Guinea-Bissau	0.0	0.0	0.0	0.0	6.3	6.6	21.2	63.8
Guyana	0.6	0.5	0.4	1.0	48.9	45.2	36.6	36.3
Haiti	0.0	0.4	1.2	1.7	7.4	13.7	16.5	16.7
Honduras	10.1	27.5	55.1	73.2	17.9	12.1	12.8	20.2
Hungary	12.9	14.2	17.3	18.9	7.1	6.2	5.9	4.6
Iceland	3.6	5.1	8.4	51.4	1 982.5	1 060.6	1 330.7	1 416.4
India	1 942.5	3 785.8	5 341.0	10 230.0	3 666.4	4 689.3	4 843.4	5 486.9
Indonesia	788.5	2 304.8	4 342.5	5 413.5	4 115.1	5 386.3	6 685.7	7 307.4
Iran (Islamic Republic of)	40.6	220.0	346.1	480.6	384.0	443.7	631.1	811.6

TABLE 26.
CAPTURE FISHERIES AND AQUACULTURE PRODUCTION BY MODE (THOUSAND TONNES) (CONTINUED)

COUNTRY	AQUACULTURE				CAPTURE FISHERIES			
	2000	2010	2015	2022	2000	2010	2015	2022
Iraq	1.7	20.3	24.8	23.0	20.8	19.3	27.3	44.6
Ireland	51.2	46.5	39.6	43.5	276.3	318.9	234.9	175.5
Israel	20.1	19.9	19.6	13.8	5.8	2.6	2.1	2.1
Italy	213.5	153.5	148.8	132.7	302.2	233.6	197.6	142.4
Jamaica	4.5	4.0	0.6	0.9	5.5	15.4	17.0	12.5
Japan	762.8	718.3	705.5	617.3	5 072.5	4 091.1	3 406.2	2 911.2
Jordan	0.6	0.5	1.0	2.6	0.6	0.5	0.6	0.7
Kazakhstan	0.8	0.2	0.7	9.4	36.6	46.8	40.5	42.7
Kenya	0.5	12.2	18.7	27.8	215.5	140.4	165.0	145.8
Kiribati	0.0	0.0	0.0	0.0	35.4	43.1	146.0	203.3
Kuwait	0.4	0.3	0.3	0.5	7.0	6.4	3.9	1.9
Kyrgyzstan	0.1	0.4	1.1	20.7	0.1	0.0	0.0	0.0
Lao People's Democratic Republic	42.1	82.1	96.0	145.0	29.3	30.9	62.6	72.4
Latvia	0.3	0.5	0.9	0.9	136.4	164.8	81.3	61.5
Lebanon	0.4	1.2	1.0	0.9	3.7	3.4	3.6	2.6
Lesotho	0.0	0.3	1.0	1.8	0.0	0.0	0.1	0.1
Liberia	0.0	0.1	0.2	1.4	11.5	11.7	14.0	29.3
Libya	0.0	0.1	0.0	0.0	50.0	50.0	25.7	32.6
Lithuania	2.0	3.2	4.5	4.9	79.0	149.9	85.1	106.9
Luxembourg					0.0	0.0	0.0	0.0
Madagascar	7.3	6.9	7.3	9.3	120.1	128.8	114.0	126.4
Malawi	0.5	2.6	5.0	7.1	50.0	98.3	141.6	186.9
Malaysia	151.8	373.4	246.2	266.2	1 289.3	1 433.4	1 492.0	1 318.4
Maldives					119.4	122.8	127.3	155.2
Mali	0.0	2.1	2.4	8.8	109.9	100.0	92.5	110.4
Malta	1.7	6.9	10.8	18.1	1.1	1.8	2.6	2.8
Marshall Islands	0.0	0.0	0.0	0.0	8.3	59.8	89.7	91.6
Mauritania					114.5	276.2	403.8	780.4
Mauritius	0.1	0.6	0.8	1.5	9.6	7.4	15.8	33.3
Mexico	53.9	126.2	211.6	289.6	1 315.7	1 526.5	1 467.3	1 678.5
Micronesia (Federated States of)	0.0	0.0	0.0	0.0	23.3	31.4	71.4	178.1
Mongolia					0.4	0.1	0.1	0.0
Montenegro	0.0	0.7	0.8	1.1	0.0	1.3	1.5	0.9
Morocco	1.9	0.7	1.1	2.1	902.8	1 136.2	1 364.9	1 578.9
Mozambique	0.0	0.9	1.1	5.5	41.5	162.6	286.1	456.4
Myanmar	98.9	850.7	997.3	1 197.1	1 093.2	1 961.2	1 970.5	1 864.7
Namibia	0.1	0.6	0.5	0.3	589.8	381.9	509.9	415.7
Nauru	0.0	0.0	0.0	0.0	0.4	0.6	0.3	106.8
Nepal	15.0	28.2	48.0	87.4	16.7	21.5	21.5	21.0
Netherlands (Kingdom of the)	75.2	67.0	62.6	39.4	495.8	434.4	384.5	298.6
New Zealand	85.6	110.6	91.3	106.2	553.4	436.2	433.2	345.7
Nicaragua	5.4	17.0	24.5	31.6	22.5	41.0	41.5	53.7
Niger	0.0	0.1	0.3	0.5	16.3	40.0	27.0	47.7

TABLE 26.
CAPTURE FISHERIES AND AQUACULTURE PRODUCTION BY MODE (THOUSAND TONNES) (CONTINUED)

COUNTRY	AQUACULTURE				CAPTURE FISHERIES			
	2000	2010	2015	2022	2000	2010	2015	2022
Nigeria	25.7	200.5	316.7	259.1	441.4	617.0	710.3	784.1
North Macedonia	1.2	1.5	1.0	1.8	0.2	0.2	0.4	0.4
Norway	491.3	1 019.8	1 380.8	1 648.2	2 699.4	2 680.0	2 304.8	2 442.5
Oman	0.0	0.1	0.2	3.5	120.4	163.9	257.0	748.4
Pakistan	12.5	140.1	151.2	165.5	598.7	455.5	509.5	500.0
Palau	0.0	0.0	0.0	0.0	1.1	1.0	0.8	0.8
Panama	1.8	6.6	9.6	11.8	227.6	182.1	167.2	186.6
Papua New Guinea	0.2	1.6	1.7	1.9	109.9	226.1	234.8	237.5
Paraguay	0.1	3.0	8.5	20.0	28.0	17.8	17.0	17.9
Peru	6.6	89.0	91.0	140.9	10 657.3	4 301.6	4 824.1	5 317.2
Philippines	393.9	744.7	781.8	804.3	1 917.2	2 498.8	2 150.5	1 767.5
Poland	35.8	30.8	37.0	46.1	217.7	189.7	205.4	178.5
Portugal	7.5	8.2	9.6	21.0	190.9	223.0	188.5	158.7
Qatar	0.0	0.0	0.0	0.1	7.1	13.8	15.2	18.4
Republic of Korea	293.4	475.6	479.4	577.8	1 825.2	1 722.0	1 650.2	1 252.0
Republic of Moldova	1.7	8.8	11.2	12.9	0.0	0.0	0.1	0.0
Romania	9.7	9.0	11.0	11.2	7.4	2.7	9.3	6.3
Russian Federation	74.1	120.4	152.0	319.5	3 973.5	4 069.9	4 457.4	4 983.5
Rwanda	0.3	0.1	1.6	12.2	6.7	13.0	29.3	32.7
Saint Kitts and Nevis	0.0	0.0	0.0	0.0	1.0	21.8	100.4	0.7
Saint Lucia	0.0	0.0	0.0	0.0	2.0	2.0	2.0	1.4
Saint Vincent and the Grenadines					22.8	66.4	26.1	1.6
Samoa	0.0	0.0	0.0	0.0	8.6	12.8	8.7	9.6
San Marino					0.0	0.0	0.0	0.0
Sao Tome and Principe					3.7	4.8	11.4	5.7
Saudi Arabia	6.0	26.4	30.0	119.8	49.1	65.1	68.1	64.3
Senegal	0.1	0.1	1.2	1.6	435.8	409.7	425.4	533.8
Serbia	0.0	8.2	7.4	5.8	0.0	4.8	3.2	2.4
Seychelles	0.4	0.0	0.0	0.0	32.8	87.1	105.4	137.8
Sierra Leone	0.0	0.1	0.1	0.1	74.7	200.0	202.1	215.1
Singapore	5.1	3.5	6.9	4.7	5.4	1.7	1.3	0.2
Slovakia	0.9	0.7	1.3	2.6	1.4	1.6	2.0	1.9
Slovenia	1.2	0.8	1.6	1.6	1.9	0.9	0.3	0.3
Solomon Islands	0.0	0.0	0.0	0.0	19.5	37.4	67.8	47.8
Somalia					24.2	30.0	30.0	30.0
South Africa	2.8	3.1	5.4	7.7	643.8	628.8	565.2	466.6
South Sudan	0.0	0.0	0.0	0.0	0.0	0.0	37.0	47.0
Spain	311.4	256.8	296.6	276.0	1 055.9	970.6	970.0	805.8
Sri Lanka	4.4	8.1	31.3	58.8	296.1	389.1	465.8	332.3
Sudan	0.0	0.0	7.0	9.0	0.0	0.0	33.0	44.3
Suriname	0.3	0.1	0.1	0.0	24.2	35.1	39.5	33.7
Sweden	4.8	10.6	12.0	11.3	338.5	212.0	212.0	152.0
Switzerland	1.1	1.3	1.6	2.5	1.7	2.1	2.0	1.5

TABLE 26.
CAPTURE FISHERIES AND AQUACULTURE PRODUCTION BY MODE (THOUSAND TONNES) (CONTINUED)

COUNTRY	AQUACULTURE				CAPTURE FISHERIES			
	2000	2010	2015	2022	2000	2010	2015	2022
Syrian Arab Republic	6.8	8.6	2.5	1.8	6.6	6.6	3.8	4.4
Tajikistan	0.1	0.5	0.5	2.2	0.2	0.7	1.2	2.4
Thailand	738.2	1 286.1	921.0	1 001.2	2 997.1	1 810.6	1 502.2	1 385.5
Timor-Leste	0.0	0.1	0.2	0.4	3.6	3.2	4.2	6.7
Togo	0.0	0.1	0.1	1.2	22.3	27.5	21.5	21.5
Tonga	0.0	0.0	0.0	0.0	3.8	2.1	1.8	1.3
Trinidad and Tobago	0.0	0.0	0.0	0.0	14.2	13.9	12.1	13.1
Tunisia	1.6	5.4	14.6	20.8	94.7	93.2	117.0	128.7
Türkiye	79.0	167.7	240.3	514.8	503.3	485.9	431.9	335.0
Turkmenistan	0.1	0.0	0.1	0.2	12.2	15.0	15.0	15.1
Tuvalu	0.0	0.0	0.0	0.0	0.5	11.5	6.1	42.8
Uganda	0.8	95.0	117.6	101.4	219.4	413.8	396.2	444.9
Ukraine	31.0	22.9	22.2	14.6	391.8	209.8	120.5	22.7
United Arab Emirates	0.0	0.2	0.8	3.5	105.5	70.6	74.1	65.5
United Kingdom of Great Britain and Northern Ireland	152.9	202.5	213.5	204.3	761.6	620.8	716.5	622.7
United Republic of Tanzania	0.2	0.5	4.0	29.1	339.9	376.5	408.0	510.2
United States of America	456.8	496.7	426.0	478.1	4 746.3	4 391.7	4 986.3	4 256.8
Uruguay	0.1	0.1	0.2	0.1	113.3	74.2	59.5	68.8
Uzbekistan	5.7	6.7	36.9	130.3	3.3	4.1	23.0	55.0
Vanuatu	0.0	0.1	0.0	0.0	70.5	101.2	83.0	88.1
Venezuela (Bolivarian Republic of)	13.4	18.2	18.9	48.4	359.6	218.9	240.6	212.1
Viet Nam	498.5	2 683.1	3 462.4	5 159.9	1 629.6	2 249.7	2 860.6	3 590.0
Yemen	0.0	0.2	0.0	0.0	114.8	163.9	177.4	178.2
Zambia	4.2	10.3	22.8	75.6	66.7	76.4	90.1	109.4
Zimbabwe	2.2	5.5	21.2	8.4	13.1	14.6	24.8	26.2

Source: FAO. 2024. FishStat: Global production by production source 1950–2022. [Accessed on 15 November 2024]. In: FishStatJ. <https://www.fao.org/fishery/en/statistics/software/fishstatj>. Licence: CC-BY-4.0.

TABLE 27.
PRODUCTION OF ROUNDWOOD BY TYPE (THOUSAND M³)

COUNTRY	WOOD FUEL		INDUSTRIAL ROUNDWOOD, CONIFEROUS		INDUSTRIAL ROUNDWOOD, NON-CONIFEROUS		ROUNDWOOD	
	2000	2022	2000	2022	2000	2022	2000	2022
World	1 795 245	1 967 294	1 043 599	1 163 613	643 568	852 429	3 482 411	3 983 336
Africa	551 284	727 875	13 357	12 671	57 955	66 228	622 596	806 773
Americas	314 350	354 889	518 504	521 430	260 867	271 649	1 093 722	1 147 968
Asia	807 816	694 630	93 136	85 351	177 147	373 413	1 078 099	1 153 394
Europe	109 130	180 092	386 501	491 765	132 613	122 267	628 243	794 124
Oceania	12 665	9 809	32 101	52 396	14 985	18 872	59 751	81 077
Afghanistan	1 279	2 032	999	999	761	761	3 039	3 792
Albania	324	703	68	76	55	36	447	815
Algeria	7 074	8 897	81	116	81	23	7 236	9 036
Andorra		0						0
Angola	3 163	5 184			1 096	1 250	4 259	6 434
Antigua and Barbuda								
Argentina	2 993	4 013	4 140	8 878	3 570	6 198	10 704	19 089
Armenia	57	725	0	0	0	0	57	725
Australia	6 774	3 915	12 474	14 924	11 933	11 059	31 181	29 898
Austria	2 860	5 424	9 607	12 957	809	977	13 276	19 358
Azerbaijan	32	422	0	0	32	3	64	425
Bahamas	31	34	15	15	2	2	48	51
Bahrain	6	8					6	8
Bangladesh	27 836	24 784			623	405	28 459	25 189
Barbados	5	5			5	6	10	11
Belarus	928	11 230	3 011	13 434	2 197	3 558	6 136	28 222
Belgium	550	893	2 780	3 315	1 180	1 004	4 510	5 212
Belize	126	126	18	8	44	33	188	167
Benin	5 910	6 745			332	385	6 242	7 129
Bhutan	4 221	5 397	46	33	88	92	4 355	5 522
Bolivia (Plurinational State of)	2 142	2 529	0	40	468	1 486	2 610	4 055
Bosnia and Herzegovina	950	1 319	2 191	1 882	1 141	685	4 282	3 885
Botswana	635	700			105	105	740	805
Brazil	132 408	133 217	39 666	48 888	63 328	121 793	235 402	303 898
Brunei Darussalam	12	12	0	0	115	59	126	70
Bulgaria	2 107	2 662	1 294	2 221	1 383	1 095	4 784	5 978
Burkina Faso	7 402	14 875			594	1 171	7 996	16 046
Burundi	5 420	5 999	220	138	547	487	6 187	6 624
Cabo Verde	147	230					147	230
Cambodia	10 119	6 882	0	13	179	309	10 298	7 204
Cameroon	9 111	10 882			1 894	3 370	11 005	14 252
Canada	2 927	1 486	163 473	116 459	35 445	27 353	201 845	145 297
Central African Republic	2 000	2 000			955	845	2 955	2 845
Chad	5 885	8 435			761	761	6 646	9 196
Chile	12 131	15 924	18 806	28 304	5 631	12 247	36 568	56 475
China	227 627	151 258	61 814	29 458	34 205	137 889	323 646	318 605
Colombia	10 893	5 908	373	491	1 791	968	13 057	7 367

TABLE 27.
PRODUCTION OF ROUNDWOOD BY TYPE (THOUSAND M³) (CONTINUED)

COUNTRY	WOOD FUEL		INDUSTRIAL ROUNDWOOD, CONIFEROUS		INDUSTRIAL ROUNDWOOD, NON-CONIFEROUS		ROUNDWOOD	
	2000	2022	2000	2022	2000	2022	2000	2022
Comoros	201	350			25	25	226	375
Congo	1 153	1 596		0	1 362	1 933	2 515	3 530
Costa Rica	3 486	3 222	0	100	987	982	4 473	4 303
Côte d'Ivoire	8 529	9 304			3 416	2 400	11 945	11 704
Croatia	976	2 130	464	741	2 229	2 115	3 669	4 986
Cuba	963	1 141	220	190	636	421	1 819	1 752
Cyprus	5	11	15	2	1	0	21	14
Czechia	940	4 405	12 191	19 440	1 310	1 265	14 441	25 110
Democratic People's Republic of Korea	5 503	6 372	1 100	1 100	400	400	7 003	7 872
Democratic Republic of the Congo	64 903	90 083			3 564	4 611	68 467	94 694
Denmark	699	2 061	3 578	1 556	384	225	4 661	3 842
Djibouti	293	420			0	0	293	420
Dominica	8	7					8	7
Dominican Republic	556	1 009	0	57	6	50	562	1 116
Ecuador	5 363	5 085	0	1 043	546	1 144	5 909	7 272
Egypt	16 182	17 960		9	268	259	16 450	18 228
El Salvador	4 518	4 064	0	0	682	682	5 200	4 746
Equatorial Guinea	447	447			689	1 300	1 136	1 747
Eritrea	2 244	1 001			2	22	2 247	1 023
Estonia	1 640	4 066	4 980	4 023	2 290	2 452	8 910	10 541
Eswatini	885	1 342	864	864	70	70	1 819	2 276
Ethiopia	87 471	117 041	8	13	2 451	2 922	89 930	119 976
Fiji	37	37	342	560	107	240	486	837
Finland	4 115	9 386	44 369	47 416	5 778	8 835	54 262	65 637
France	31 046	26 950	26 305	18 271	13 171	7 918	70 522	53 139
Gabon	515	1 070			2 584	2 919	3 099	3 989
Gambia	603	801		1	113	117	715	918
Georgia	280	375	11	146	84	45	375	566
Germany	8 804	22 338	41 227	52 425	7 995	4 110	58 026	78 872
Ghana	26 725	52 765		50	998	3 047	27 723	55 862
Greece	1 601	947	411	189	232	223	2 245	1 359
Grenada								
Guatemala	14 540	22 352	371	189	96	465	15 007	23 006
Guinea	11 444	12 510			651	651	12 095	13 161
Guinea-Bissau	2 230	3 033			135	132	2 364	3 165
Guyana	880	810	0	0	289	317	1 169	1 127
Haiti	1 964	2 162	100	100	139	139	2 203	2 401
Honduras	8 732	8 055	744	840	12	5	9 488	8 900
Hungary	2 597	2 516	609	858	2 696	1 598	5 902	4 972
Iceland	0	1	0	3	0	0	0	4
India	277 380	298 970	5 570	6 148	35 603	43 369	318 553	348 487
Indonesia	88 981	35 207	206	7	48 643	88 569	137 830	123 783
Iran (Islamic Republic of)	54	30			1 060	416	1 114	446

TABLE 27.
PRODUCTION OF ROUNDWOOD BY TYPE (THOUSAND M³) (CONTINUED)

COUNTRY	WOOD FUEL		INDUSTRIAL ROUNDWOOD, CONIFEROUS		INDUSTRIAL ROUNDWOOD, NON-CONIFEROUS		ROUNDWOOD	
	2000	2022	2000	2022	2000	2022	2000	2022
Iraq	118	118			59	59	177	177
Ireland	73	285	2 581	3 616	19	11	2 673	3 912
Israel	8	2	61	23	12	2	81	27
Italy	9 187	10 839	1 098	4 125	2 551	877	12 836	15 841
Jamaica	599	488	6	1	277	151	882	640
Japan	134	10 264	14 520	21 783	3 467	2 161	18 121	34 208
Jordan	222	396			4	4	226	400
Kazakhstan	474	174	140	62	32	223	645	460
Kenya	19 658	25 002	706	530	1 271	439	21 635	25 971
Kiribati	2	4					2	4
Kuwait	15	21					15	21
Kyrgyzstan	33	37	4	32	9	7	46	75
Lao People's Democratic Republic	5 872	5 622	0	0	567	1 432	6 439	7 054
Latvia	1 680	2 940	8 676	8 661	3 948	4 342	14 304	15 943
Lebanon	19	18	7	7	0	0	26	26
Lesotho	2 022	2 151		14			2 022	2 165
Liberia	4 725	10 419			1 114	463	5 839	10 882
Libya	823	1 083			116	116	939	1 199
Lithuania	1 450	1 885	2 430	3 115	1 620	1 614	5 500	6 614
Luxembourg	28	41	106	131	120	61	254	233
Madagascar	9 637	15 736	92	100	34	74	9 763	15 910
Malawi	4 964	6 189	150	100	1 250	1 330	6 364	7 619
Malaysia	3 346	2 314	0	22	24 380	14 768	27 726	17 105
Maldives	13	17					13	17
Mali	4 731	6 001			413	817	5 143	6 818
Malta	0	0	0	0	0	0	0	0
Marshall Islands								
Mauritania	1 428	2 336			6	32	1 434	2 368
Mauritius	10	4	5	1	3	0	18	5
Mexico	37 561	38 267	7 291	6 094	814	1 557	45 666	45 918
Micronesia (Federated States of)	2	3					2	3
Mongolia	553	734	87	160	4	2	644	896
Montenegro		317		660		135		1 113
Morocco	6 969	6 540	207	305	362	136	7 538	6 981
Mozambique	16 724	16 724	57	10	1 262	1 974	18 043	18 708
Myanmar	34 471	38 288		360	3 612	4 000	38 083	42 648
Namibia	921	2 439					921	2 439
Nauru								
Nepal	12 763	11 423	0	0	1 260	1 300	14 023	12 723
Netherlands (Kingdom of the)	160	2 361	645	449	234	166	1 039	2 976
New Zealand	0	0	19 225	36 846	54	300	19 279	37 146
Nicaragua	5 756	6 179	173	67	55	21	5 984	6 267
Niger	7 805	12 574			579	701	8 384	13 275

TABLE 27.
PRODUCTION OF ROUNDWOOD BY TYPE (THOUSAND M³) (CONTINUED)

COUNTRY	WOOD FUEL		INDUSTRIAL ROUNDWOOD, CONIFEROUS		INDUSTRIAL ROUNDWOOD, NON-CONIFEROUS		ROUNDWOOD	
	2000	2022	2000	2022	2000	2022	2000	2022
Nigeria	59 349	67 607			9 418	10 022	68 767	77 629
North Macedonia	875	580	68	84	109	101	1 052	765
Norway	678	1 705	7 417	11 304	61	213	8 156	13 222
Oman	26	54					26	54
Pakistan	30 880	28 450	1 510	1 542	1 170	2 518	33 560	32 510
Palau								
Panama	1 280	950	3	7	44	400	1 327	1 357
Papua New Guinea	5 533	5 533	50	40	2 259	4 032	7 842	9 605
Paraguay	5 551	7 939			4 044	4 044	9 595	11 983
Peru	7 777	6 581	10	0	1 501	1 579	9 288	8 161
Philippines	13 615	11 070	0	40	3 079	3 813	16 694	14 922
Poland	2 464	6 836	19 164	31 653	6 031	6 582	27 659	45 071
Portugal	600	2 383	4 982	3 045	5 249	9 190	10 831	14 619
Qatar	4	5					4	5
Republic of Korea	2 449	190	1 095	2 081	497	1 581	4 041	3 852
Republic of Moldova	241	506	0	1	81	60	321	567
Romania	3 032	6 574	4 587	4 928	5 530	5 975	13 148	17 476
Russian Federation	12 526	15 109	97 221	145 213	48 354	36 869	158 101	197 191
Rwanda	5 000	5 000	50	98	350	1 114	5 400	6 212
Saint Kitts and Nevis								
Saint Lucia	9	9					9	9
Saint Vincent and the Grenadines	8	7					8	7
Samoa	70	70			18	6	88	76
San Marino								
Sao Tome and Principe	96	116	3	3	10	24	109	143
Saudi Arabia	179	328					179	328
Senegal	5 114	5 660			794	816	5 908	6 476
Serbia		6 574		279		1 199		8 052
Seychelles	4	3		0	8	10	12	13
Sierra Leone	5 358	6 133			124	330	5 481	6 463
Singapore	38	27					38	27
Slovakia	277	609	3 062	3 325	2 824	3 502	6 163	7 435
Slovenia	532	1 150	1 209	2 045	512	963	2 253	4 157
Solomon Islands	138	136	0	0	566	3 200	704	3 336
Somalia	9 228	17 318			110	110	9 338	17 428
South Africa	12 000	12 650	8 853	6 754	10 106	9 453	30 959	28 857
South Sudan		4 750						4 750
Spain	1 600	3 555	7 794	7 435	4 927	6 931	14 321	17 921
Sri Lanka	5 907	4 301	0	0	689	693	6 596	4 994
Sudan		15 583		0		1 157		16 740
Suriname	43	88	1	0	180	517	224	605
Sweden	5 900	6 000	54 060	66 032	3 340	5 168	63 300	77 200
Switzerland	1 626	1 939	6 793	2 576	819	430	9 238	4 945

TABLE 27.
PRODUCTION OF ROUNDWOOD BY TYPE (THOUSAND M³) (CONTINUED)

COUNTRY	WOOD FUEL		INDUSTRIAL ROUNDWOOD, CONIFEROUS		INDUSTRIAL ROUNDWOOD, NON-CONIFEROUS		ROUNDWOOD	
	2000	2022	2000	2022	2000	2022	2000	2022
Syrian Arab Republic	16	38	12	12	23	28	50	78
Tajikistan	0	3 674	0	0	0	0	0	3 674
Thailand	20 553	18 223			6 262	14 600	26 815	32 823
Timor-Leste	179	71					179	71
Togo	5 499	4 424			306	188	5 805	4 612
Tonga	2	2	1	1	1	1	4	4
Trinidad and Tobago	37	29	10	5	62	162	109	196
Tunisia	2 094	3 610	54	177	160	127	2 308	3 914
Türkiye	5 510	5 596	5 755	20 019	4 674	9 862	15 939	35 477
Turkmenistan	3	10	0	0	0	0	3	10
Tuvalu								
Uganda	34 090	45 529	269	935	2 906	4 395	37 265	50 859
Ukraine	4 058	8 689	4 038	6 553	1 763	1 662	9 859	16 904
United Arab Emirates	16	19					16	19
United Kingdom of Great Britain and Northern Ireland	229	2 184	7 114	7 725	442	118	7 785	10 026
United Republic of Tanzania	20 787	25 913	514	1 074	1 800	1 764	23 101	28 751
United States of America	45 930	76 230	282 340	306 119	138 279	76 425	466 549	458 774
Uruguay	1 423	2 352	263	3 111	1 248	11 543	2 934	17 006
Uzbekistan	24	11	0	0	5	6	29	17
Vanuatu	91	91	0	10	40	28	131	129
Venezuela (Bolivarian Republic of)	3 605	4 402	481	425	622	892	4 708	5 719
Viet Nam	26 686	20 000	184	1 300	5 550	44 035	32 420	65 335
Yemen	302	649				3	302	652
Zambia	16 749	23 033	300	892	528	1 800	17 577	25 725
Zimbabwe	8 115	9 553	910	477	68	29	9 094	10 060

Source: FAO. 2023. FAOSTAT: Forestry Production and Trade. [Accessed on 15 November 2024].

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TABLE 28.
PRODUCTION OF SELECTED FOREST PRODUCTS, 2022

COUNTRY	PAPER AND PAPERBOARD	RECOVERED PAPER	WOOD PULP	WOOD CHARCOAL	WOOD PELLETS, BRIQUETTES AND OTHER AGGLOMERATES	SAWNWOOD	WOOD-BASED PANELS
	MILLION TONNES					MILLION M ³	
World	414 094	239 447	195 794	57 230	53 971	481 256	375 289
Africa	3 256	2 283	2 184	37 183	102	11 770	3 201
Americas	97 917	60 610	95 957	10 473	17 360	149 445	65 166
Asia	209 391	113 412	46 685	8 963	8 241	145 248	215 201
Europe	99 953	60 068	48 262	572	28 092	165 299	88 741
Oceania	3 577	3 073	2 707	39	175	9 494	2 980
Afghanistan				157		230	0
Albania	12	3	0	0	40	87	0
Algeria	64	95		784		13	46
Andorra						0	0
Angola	0		0	430		46	10
Antigua and Barbuda						0	0
Argentina	1 745	997	609	460	166	3 827	1 170
Armenia	29	0	0	0	0	0	0
Australia	3 013	2 725	1 399	24	100	4 350	1 765
Austria	4 633	1 694	1 977	1	1 743	10 342	2 881
Azerbaijan	51	0	0	5	0	0	2
Bahamas		1		1		1	0
Bahrain	12	80		1		0	0
Bangladesh	58		47	342		388	15
Barbados	2	1		0		2	0
Belarus	357	294	291	5	665	4 593	4 733
Belgium	1 731	1 613	394	0	647	1 600	1 997
Belize		0		1		15	1
Benin		1		49		154	2
Bhutan	10			9		22	41
Bolivia (Plurinational State of)	0			48	5	407	36
Bosnia and Herzegovina	114	37	84	24	222	1 075	47
Botswana		10		75		0	0
Brazil	11 040	5 082	25 639	7 591	3 100	10 000	12 506
Brunei Darussalam		13		0	0	25	0
Bulgaria	394	90	210	2	226	716	1 137
Burkina Faso	1			800		5	0
Burundi				380		34	0
Cabo Verde				1		0	0
Cambodia	0	20		39		100	452
Cameroon	0		0	541		1 372	18
Canada	8 994	2 754	14 200		3 980	37 257	11 775
Central African Republic				235		41	2
Chad				541		3	0
Chile	1 305	266	4 655	237	214	7 858	3 312
China	128 370	69 359	22 605	1 583	893	79 558	152 065

TABLE 28.
PRODUCTION OF SELECTED FOREST PRODUCTS, 2022 (CONTINUED)

COUNTRY	PAPER AND PAPERBOARD	RECOVERED PAPER	WOOD PULP	WOOD CHARCOAL	WOOD PELLETS, BRIQUETTES AND OTHER AGGLOMERATES	SAWNWOOD	WOOD-BASED PANELS
Colombia	1 252	895	247	102		193	217
Comoros				53		1	0
Congo	3			6		343	8
Costa Rica	250	110		14	22	378	84
Côte d'Ivoire		6		566		774	173
Croatia	374	45	48	13	398	1 298	232
Cuba	16	28		120		130	149
Cyprus	0	54	0	2	0	2	0
Czechia	938	1 030	863	6	709	4 942	1 932
Democratic People's Republic of Korea	80		56	173		279	0
Democratic Republic of the Congo	3			2 974		101	1
Denmark	152	590	5	0	180	387	349
Djibouti				57		0	0
Dominica				0		0	0
Dominican Republic	130	130		25		26	0
Ecuador	245	183		103	109	559	821
Egypt	670	380	41	1 500	25	12	52
El Salvador	115	5		24		16	0
Equatorial Guinea				12		45	3
Eritrea				142		0	0
Estonia	57	110	227	0	1 680	1 900	365
Eswatini	49	6	0	56		330	53
Ethiopia	78	3		4 951		18	46
Fiji		3		3		130	11
Finland	7 935	450	10 920	0	360	11 273	1 207
France	7 092	6 584	1 666	50	2 130	8 581	4 970
Gabon				25		1 033	84
Gambia				75		46	0
Georgia	48	11	0	0		73	10
Germany	21 612	13 188	2 172	30	4 015	25 342	11 968
Ghana		3		2 281	2	525	145
Greece	321	390	0	0	59	66	373
Grenada						0	0
Guatemala	31	115		15	86	404	35
Guinea				444		31	21
Guinea-Bissau				84		16	0
Guyana				25		71	15
Haiti		1		40		6	0
Honduras	40	60	0	21	17	187	49
Hungary	864	500	51	0	16	400	1 153
Iceland	0	25	0	0	0	0	0

TABLE 28.
PRODUCTION OF SELECTED FOREST PRODUCTS, 2022 (CONTINUED)

COUNTRY	PAPER AND PAPERBOARD	RECOVERED PAPER	WOOD PULP	WOOD CHARCOAL	WOOD PELLETS, BRIQUETTES AND OTHER AGGLOMERATES	SAWNWOOD	WOOD-BASED PANELS
	MILLION TONNES					MILLION M ³	
India	16 798	3 700	3 362	2 880		23 975	15 486
Indonesia	11 953	3 233	10 075	664	530	2 577	5 650
Iran (Islamic Republic of)	766	80	212	0		21	2 749
Iraq	13	350		23		12	5
Ireland	60	415	0	0	38	1 014	808
Israel	403	305	0	0		0	123
Italy	8 696	6 569	223	10	470	900	3 863
Jamaica	0	12		11		66	0
Japan	22 686	17 763	7 724	12	156	8 600	4 772
Jordan	54	100		53		0	0
Kazakhstan	221	38	2	3	0	210	268
Kenya	0	38	0	1 412		279	82
Kiribati				0		0	0
Kuwait	37	170		3		0	0
Kyrgyzstan	1	0	0	0	0	150	0
Lao People's Democratic Republic	805	216	328	190		505	51
Latvia	28	100	14	8	2 189	4 438	1 429
Lebanon	103	26		3		9	46
Lesotho		3		118		7	0
Liberia				357		133	0
Libya	6	40		119		31	0
Lithuania	154	189	0	0	607	1 293	1 190
Luxembourg	0	65	0	0	63	78	485
Madagascar	33	1		1 583		76	5
Malawi		1		646		103	57
Malaysia	1 750	1 200	131	16	885	2 787	3 331
Maldives				1		0	0
Mali		20		476		100	50
Malta	0	17	0	0	0	0	0
Marshall Islands						0	0
Mauritania	1			247		14	1
Mauritius	0	10	0	0	0	1	0
Mexico	6 497	4 689	89	145	4	3 077	1 025
Micronesia (Federated States of)				0		0	0
Mongolia				18	20	19	1
Montenegro	0	10	0	2	63	109	1
Morocco	156	140	70	122	5	55	103
Mozambique	2	13		263		562	1
Myanmar	269	355		411		1 670	160
Namibia		20		328		1	1
Nauru						0	0
Nepal	13	38		95		630	10

TABLE 28.
PRODUCTION OF SELECTED FOREST PRODUCTS, 2022 (CONTINUED)

COUNTRY	PAPER AND PAPERBOARD	RECOVERED PAPER	WOOD PULP	WOOD CHARCOAL	WOOD PELLETS, BRIQUETTES AND OTHER AGGLOMERATES	SAWNWOOD	WOOD-BASED PANELS
Netherlands (Kingdom of the)	2 884	2 515	37	0	284	149	29
New Zealand	564	341	1 308	0	75	4 599	1 140
Nicaragua		35		16		60	10
Niger				842		4	0
Nigeria	19	20	23	4 908		2 002	96
North Macedonia	32	23	0	0	0	6	0
Norway	1 036	533	1 098	0	188	2 705	454
Oman	4	86		8		0	0
Pakistan	547	163	82	94		1 381	334
Palau						0	0
Panama	0	26		5		26	4
Papua New Guinea		0		7		340	64
Paraguay	67	30		430		560	84
Peru	528	72	0	22		781	0
Philippines	755	912	0	89		322	283
Poland	5 200	3 500	1 745	140	1 700	4 850	11 855
Portugal	2 243	930	2 869	9	747	989	1 395
Qatar	3	15		1		0	0
Republic of Korea	10 697	7 722	277	8	658	1 954	2 523
Republic of Moldova	9	0	0	1	22	19	5
Romania	606	600	0	0	666	6 031	3 627
Russian Federation	9 293	3 450	8 769	55	2 843	38 000	15 831
Rwanda				48		135	0
Saint Kitts and Nevis						0	0
Saint Lucia		1		0		0	0
Saint Vincent and the Grenadines				0		0	0
Samoa				1		1	0
San Marino						0	0
Sao Tome and Principe				10		12	0
Saudi Arabia	1 186	1 000		54		0	0
Senegal	0	0		300		31	0
Serbia	483	169	0	19	429	434	257
Seychelles	0	0	0	0		0	0
Sierra Leone				505		32	0
Singapore	87	1 136		4		1	12
Slovakia	967	315	692	4	433	1 815	830
Slovenia	763	112	73	1	169	1 175	226
Solomon Islands				2		54	0
Somalia				1 519		14	0
South Africa	1 963	1 356	1 994	62	15	2 105	1 546
South Sudan				289		20	0

TABLE 28.
PRODUCTION OF SELECTED FOREST PRODUCTS, 2022 (CONTINUED)

COUNTRY	PAPER AND PAPERBOARD	RECOVERED PAPER	WOOD PULP	WOOD CHARCOAL	WOOD PELLETS, BRIQUETTES AND OTHER AGGLOMERATES	SAWNWOOD	WOOD-BASED PANELS
	MILLION TONNES					MILLION M ³	
Spain	6 773	4 385	1 749	60	650	2 214	4 926
Sri Lanka	25	170	3	2		61	156
Sudan	4	6		588		11	0
Suriname		1		9		90	2
Sweden	8 531	940	11 778	2	1 809	18 970	726
Switzerland	1 168	1 176	87	0	324	1 248	506
Syrian Arab Republic	75			3		9	17
Tajikistan	0		0			0	0
Thailand	5 374	2 931	1 171	1 572	125	4 200	9 760
Timor-Leste				0		0	0
Togo		1		301		67	1
Tonga				0		1	0
Trinidad and Tobago	15	7		2		31	0
Tunisia	163	40		220	9	24	113
Türkiye	2 800	1 534	70	1	84	9 770	12 570
Turkmenistan	0	0	0	0	0	0	0
Tuvalu						0	0
Uganda	0			1 263		440	150
Ukraine	982	725	0	124	981	3 004	3 489
United Arab Emirates	304	500		3		0	0
United Kingdom of Great Britain and Northern Ireland	3 462	6 689	220	5	327	3 257	3 466
United Republic of Tanzania	40	2	56	2 273		140	129
United States of America	65 257	44 828	47 789	852	9 656	81 676	33 287
Uruguay	52	75	2 711	118	1	756	275
Uzbekistan	125	10	1	1	0	195	299
Vanuatu				1		14	0
Venezuela (Bolivarian Republic of)	336	201	18	20		950	310
Viet Nam	2 879	120	540	414	4 890	5 511	4 010
Yemen	0	1		25		0	0
Zambia	1			1 296	46	245	21
Zimbabwe	0	70		12		182	181

Source: FAO, 2023. FAOSTAT: Forestry Production and Trade. [Accessed on 15 November 2024].

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TABLE 29.
FOOD EXPORTS, 2022 (USD MILLION)

COUNTRY	FOOD EXCLUDING AQUATIC ANIMAL FOODS								AQUATIC ANIMAL FOODS	ALL FOOD
	FRUIT AND VEGETABLES	CEREALS AND PREPARATIONS	MEAT AND MEAT PREPARATIONS	FATS AND OILS (EXCLUDING BUTTER)	BEVERAGES	DAIRY PRODUCTS AND EGGS	SUGAR AND HONEY	OTHER FOOD		
World	310 815	281 087	190 430	158 308	132 221	110 146	60 620	377 828	181 579	1 803 034
Africa	20 132	4 081	893	4 067	2 091	809	2 619	20 045	7 726	62 463
Americas	90 355	93 774	73 616	28 621	23 062	11 605	20 636	151 004	37 480	530 154
Asia	85 937	49 705	15 538	71 522	15 347	7 105	18 065	66 852	65 850	395 922
Europe	107 928	117 069	82 429	51 380	88 111	75 322	17 273	131 246	67 242	738 000
Oceania	6 463	16 457	17 954	2 718	3 610	15 305	2 027	8 680	3 281	76 495
Afghanistan	532	1	0	0	6	0	2	46	0	587
Albania	134	11	0	2	14	2	0	13	140	317
Algeria	160	47	0	130	8	0	128	8	32	513
Andorra									0	
Angola	12	8	0	1	20	0	3	1	57	103
Antigua and Barbuda	0	0	0	0	3	0	0	0	1	5
Argentina	2 726	16 007	4 011	7 937	875	1 238	431	3 674	1 696	38 595
Armenia	190	6	7	7	360	31	3	85	125	815
Australia	3 499	14 832	11 556	1 253	1 777	2 317	1 552	6 933	873	44 591
Austria	1 560	2 178	2 152	392	4 165	1 759	379	2 675	163	15 423
Azerbaijan	692	11	2	30	31	15	41	36	2	861
Bahamas	0	0	0	0	1			0	96	98
Bahrain	17	153	6	4	23	481	4	115	48	851
Bangladesh	66	93	5	188	44	8	11	67	461	943
Barbados	2	20	2	15	61	0	1	3	2	106
Belarus	587	164	977	628	154	2 764	216	167	381	6 037
Belgium	11 046	6 512	4 946	2 698	4 273	5 350	1 394	10 882	1 284	48 386
Belize	65	4	0	3	4	0	85	9	27	196
Benin	61	1	0	18	2	1	0	33	0	117
Bhutan	12	0	0		8	0	0	4	0	24
Bolivia (Plurinational State of)	302	67	187	1 000	0	42	66	455	0	2 121
Bosnia and Herzegovina	96	73	56	80	43	61	20	50	22	502
Botswana	13	6	11	1	2	0	1	105	4	145
Brazil	3 927	14 428	25 387	4 653	227	193	11 378	57 849	368	118 410
Brunei Darussalam	1	1	1	0	0	1	0	1	33	37
Bulgaria	486	2 401	328	1 801	132	219	262	1 613	89	7 331
Burkina Faso	237	3	0	31	5	0	1	80	0	359
Burundi	1	9		0	10	0	0	78	0	99
Cabo Verde		0			1				32	33
Cambodia	340	442	0	70	3	3	58	31	69	1 016
Cameroon	169	10	9	15	7	5	1	682	2	900
Canada	9 821	17 526	7 769	5 987	1 341	452	1 319	15 245	6 463	65 924
Central African Republic			0	0				0	0	1
Chad	0	0		0	0		0	115	0	115
Chile	7 873	401	1 526	179	1 935	201	42	325	7 867	20 350

TABLE 29.
FOOD EXPORTS, 2022 (USD MILLION) (CONTINUED)

COUNTRY	FOOD EXCLUDING AQUATIC ANIMAL FOODS								AQUATIC ANIMAL FOODS	ALL FOOD
	FRUIT AND VEGETABLES	CEREALS AND PREPARATIONS	MEAT AND MEAT PREPARATIONS	FATS AND OILS (EXCLUDING BUTTER)	BEVERAGES	DAIRY PRODUCTS AND EGGS	SUGAR AND HONEY	OTHER FOOD		
China	29 690	3 790	3 513	1 110	3 624	792	3 045	16 787	24 189	86 540
Colombia	1 643	265	194	1 027	53	23	636	5 138	177	9 156
Comoros	0	0		0	0			36	0	36
Congo	2	1	0	0	0	1	2	1	4	11
Costa Rica	2 885	191	188	321	83	115	131	1 289	137	5 339
Côte d'Ivoire	1 255	71	0	557	8	7	8	4 946	114	6 967
Croatia	278	856	280	166	215	107	93	1 064	330	3 387
Cuba	1	0	0	0	84		86	10	69	250
Cyprus	105	9	13	5	23	308	1	15	36	514
Czechia	600	2 167	547	567	771	1 278	504	2 627	234	9 295
Democratic People's Republic of Korea	35	0			0	0		7	6	49
Democratic Republic of the Congo	3	3	0	1	0	0	0	128	1	136
Denmark	634	1 789	4 823	827	1 273	3 202	357	2 864	4 814	20 584
Djibouti	8	3		315	0	0	150	33	1	511
Dominica	3	1	0	0	0	0	0	1	0	5
Dominican Republic	718	186	9	94	196	5	161	320	10	1 699
Ecuador	4 425	71	0	273	7	2	60	1 227	9 494	15 559
Egypt	3 878	409	12	244	18	209	354	758	34	5 916
El Salvador	82	254	8	34	144	55	316	295	113	1 301
Equatorial Guinea	3	7	11	69	2	5	5	11	0	113
Eritrea	0	0		0	1		0	0	0	1
Estonia	91	455	148	120	158	328	11	393	220	1 924
Eswatini	44	23	4	0	9	1	338	12	0	432
Ethiopia	543	26	91	6	4	0	0	1 827	0	2 497
Fiji	29	62	11	9	169	6	73	17	106	483
Finland	94	275	204	37	232	586	56	321	308	2 113
France	6 822	18 236	5 003	2 834	21 351	8 134	2 438	11 449	2 105	78 373
Gabon	0	0		57	0		0	0	3	60
Gambia	34	0	0	2	0		0	6	2	44
Georgia	259	18	46	9	593	4	6	129	8	1 072
Germany	6 811	12 964	10 276	4 522	6 447	12 778	3 619	20 438	2 619	80 474
Ghana	504	32	0	177	12	16	0	1 984	186	2 912
Greece	3 039	846	235	1 127	355	1 141	106	706	976	8 531
Grenada	3	6	0	0	3		0	8	3	23
Guatemala	2 084	364	82	1 167	275	8	960	1 950	163	7 053
Guinea	90	0	0	3	0	0	0	129	30	253
Guinea-Bissau	185	0		1				0	15	201
Guyana	11	209	0	1	67	0	17	2	51	358
Haiti	12	1	0	1	8	0	0	6	11	39
Honduras	830	154	23	579	27	30	90	1 553	430	3 716
Hungary	1 150	2 205	1 734	1 270	508	556	425	2 615	21	10 483

TABLE 29.
FOOD EXPORTS, 2022 (USD MILLION) (CONTINUED)

COUNTRY	FOOD EXCLUDING AQUATIC ANIMAL FOODS								AQUATIC ANIMAL FOODS	ALL FOOD
	FRUIT AND VEGETABLES	CEREALS AND PREPARATIONS	MEAT AND MEAT PREPARATIONS	FATS AND OILS (EXCLUDING BUTTER)	BEVERAGES	DAIRY PRODUCTS AND EGGS	SUGAR AND HONEY	OTHER FOOD		
Iceland	2	0	43	7	35	9	0	25	2 441	2 562
India	4 971	15 165	3 253	1 715	275	482	6 556	6 058	7 624	46 100
Indonesia	1 355	1 179	21	34 320	123	63	583	5 733	5 448	48 825
Iran (Islamic Republic of)	1 217	54	6	2	4	174	113	186	293	2 049
Iraq	108	1	1	52	9	0	1	3	0	175
Ireland	397	2 486	4 972	137	2 129	4 649	128	1 591	662	17 151
Israel	1 284	134	40	38	93	10	27	341	17	1 985
Italy	11 027	8 781	3 833	3 372	12 134	5 337	592	10 583	967	56 626
Jamaica	98	41	16	4	154	12	6	79	15	423
Japan	556	866	432	126	1 434	148	155	2 221	2 507	8 445
Jordan	321	105	90	8	20	59	26	292	5	925
Kazakhstan	205	3 093	154	530	156	92	50	847	95	5 222
Kenya	583	29	101	264	44	4	72	1 861	47	3 003
Kiribati	0	0		2			1	1	175	178
Kuwait	18	53	22	1	10	37	5	18	2	166
Kyrgyzstan	194	33	7	1	11	49	1	87	19	401
Lao People's Democratic Republic	1 118	151	2	0	225		92	364	0	1 951
Latvia	336	1 290	202	122	1 012	554	33	631	282	4 463
Lebanon	364	55	12	23	103	2	15	154	2	731
Lesotho	3	21	0	0	86	0	0	1	9	120
Liberia	1	2	0	92	0	0	0	47	2	144
Libya	9	0	0	0	0		0	1	38	49
Lithuania	490	1 549	391	144	515	932	183	1 327	762	6 294
Luxembourg	144	153	60	9	177	661	2	222	18	1 446
Madagascar	106	0	0	6	1	0	2	857	141	1 113
Malawi	163	13	3	0	0	1	23	122	0	326
Malaysia	785	1 731	239	22 575	584	391	340	4 289	863	31 797
Maldives	0	0	0	0	0	0	0	0	147	147
Mali	25	2	0	2	0	0	0	180	0	210
Malta	0	30	0	3	8	3	0	77	285	406
Marshall Islands									74	
Mauritania	2	0	0	0	0	0	0	20	901	924
Mauritius	5	14	0	2	17	1	197	16	338	590
Mexico	20 152	3 420	3 180	420	10 861	177	2 048	3 412	1 145	44 814
Micronesia (Federated States of)									172	
Mongolia	82	0	52	3	1	0	0	19	0	158
Montenegro	11	1	27	1	19	0	1	4	0	64
Morocco	3 927	43	3	210	31	55	454	253	2 437	7 413
Mozambique	411	21	0	47	4	0	64	139	51	737
Myanmar	1 923	1 497	1	0	3	0	45	244	733	4 447
Namibia	109	23	101	1	105	4	14	129	777	1 264

TABLE 29.
FOOD EXPORTS, 2022 (USD MILLION) (CONTINUED)

COUNTRY	FOOD EXCLUDING AQUATIC ANIMAL FOODS								AQUATIC ANIMAL FOODS	ALL FOOD
	FRUIT AND VEGETABLES	CEREALS AND PREPARATIONS	MEAT AND MEAT PREPARATIONS	FATS AND OILS (EXCLUDING BUTTER)	BEVERAGES	DAIRY PRODUCTS AND EGGS	SUGAR AND HONEY	OTHER FOOD		
Nauru	0		0					0		
Nepal	62	14		392	5	1	1	98	0	573
Netherlands (Kingdom of the)	24 786	8 047	13 500	6 481	7 191	12 842	1 800	18 876	6 636	100 160
New Zealand	2 907	1 562	6 385	211	1 662	12 982	401	1 355	1 183	28 650
Nicaragua	335	15	714	152	97	218	209	775	290	2 806
Niger	22	2	0	10	0	0	1	11	0	46
Nigeria	176	6	0	14	11	1	40	1 006	52	1 305
North Macedonia	210	91	31	13	85	3	8	64	8	514
Norway	23	77	30	107	117	76	7	338	15 130	15 905
Oman	82	307	56	172	14	98	2	118	387	1 236
Pakistan	713	2 712	380	91	2	26	260	463	457	5 103
Palau									0	
Panama	159	3	39	56	27	15	28	39	129	494
Papua New Guinea	5	0	2	1 177	0	0	0	342	395	1 922
Paraguay	58	1 520	1 839	646	3	45	52	1 407	0	5 570
Peru	6 227	384	4	238	62	44	102	1 902	1 526	10 489
Philippines	2 715	261	26	2 176	26	48	64	293	846	6 455
Poland	5 276	7 556	9 755	1 335	1 437	4 030	1 067	7 253	2 862	40 570
Portugal	2 156	732	363	1 537	1 422	468	195	963	1 323	9 158
Qatar	1	1	2	0	0	4	0	29	1	37
Republic of Korea	1 186	859	153	93	943	66	364	2 593	2 317	8 574
Republic of Moldova	359	438	5	376	181	6	26	427	0	1 818
Romania	403	4 925	577	633	321	240	133	3 082	45	10 359
Russian Federation	1 427	8 293	1 015	4 872	566	302	352	2 597	7 160	26 582
Rwanda	29	192	4	67	22	7	47	230	38	636
Saint Kitts and Nevis	0	0	0	0	5		0	0	1	6
Saint Lucia	3	1	0	0	13	0	0	2	0	20
Saint Vincent and the Grenadines	3	12	0	0	3		0	1	5	23
Samoa	4	0	0	6	1	0	0	1	8	19
San Marino										
Sao Tome and Principe	0			8	0			8	0	17
Saudi Arabia	606	701	157	224	101	870	344	117	210	3 331
Senegal	381	135	0	35	15	12	5	207	600	1 389
Serbia	1 225	1 041	114	321	404	112	113	721	18	4 069
Seychelles	0	0	0	0	1	0		1	591	594
Sierra Leone	1	0	0	24	0	0	0	46	9	80
Singapore	280	1 120	160	437	2 808	293	106	8 277	255	13 736
Slovakia	246	1 352	287	201	235	427	339	1 640	19	4 745
Slovenia	425	514	431	127	214	268	53	730	73	2 834
Solomon Islands	12	0		51	0	0		12	53	128
Somalia	3	0	1	0	0		0	51	13	68

TABLE 29.
FOOD EXPORTS, 2022 (USD MILLION) (CONTINUED)

COUNTRY	FOOD EXCLUDING AQUATIC ANIMAL FOODS								AQUATIC ANIMAL FOODS	ALL FOOD
	FRUIT AND VEGETABLES	CEREALS AND PREPARATIONS	MEAT AND MEAT PREPARATIONS	FATS AND OILS (EXCLUDING BUTTER)	BEVERAGES	DAIRY PRODUCTS AND EGGS	SUGAR AND HONEY	OTHER FOOD		
South Africa	5 402	2 045	374	450	1 254	264	419	1 054	534	11 796
South Sudan	1	3	1	0	0			2	0	7
Spain	23 150	3 466	11 093	7 063	5 385	1 986	1 081	5 609	5 628	64 462
Sri Lanka	471	84	5	94	50	7	4	1 795	292	2 801
Sudan	437	12	78	19	0	0	1	1 030	1	1 578
Suriname	2	26	3	3	25	0	0	5	61	124
Sweden	437	1 283	315	825	922	600	241	1 769	5 312	11 706
Switzerland	97	806	111	78	1 999	813	197	5 474	6	9 581
Syrian Arab Republic	173	24	0	118	1	9	4	106	1	436
Tajikistan	52	4	0	0	5	2	0	1	0	64
Thailand	11 763	5 643	4 511	1 867	1 959	340	3 754	3 599	5 554	38 990
Timor-Leste	0			0	0		0	28	0	29
Togo	11	10	0	58	51	30	31	122	1	314
Tonga	3	0		0			0	0	2	6
Trinidad and Tobago	49	115	9	12	139	1	12	102	11	450
Tunisia	464	107	6	977	27	21	37	136	279	2 055
Türkiye	10 213	4 957	1 302	3 473	523	929	1 014	3 020	1 651	27 082
Turkmenistan	44	10	0	10	0	0	1	2	0	66
Tuvalu	0	0		0	0			0	36	36
Uganda	57	122	5	104	61	95	60	951	146	1 601
Ukraine	646	9 474	958	5 946	157	276	435	4 055	46	21 993
United Arab Emirates	3 128	1 141	720	1 169	828	1 134	684	2 569	404	11 776
United Kingdom of Great Britain and Northern Ireland	1 225	3 550	2 606	599	11 354	2 461	407	5 314	2 437	29 952
United Republic of Tanzania	507	315	56	14	89	0	6	484	167	1 638
United States of America	25 757	36 920	25 459	3 536	6 162	7 869	2 363	51 589	5 474	165 127
Uruguay	72	1 154	2 962	279	22	859	37	2 265	126	7 774
Uzbekistan	1 149	296	1	33	44	20	10	35	1	1 589
Vanuatu	0	0	0	1	0			12	162	175
Venezuela (Bolivarian Republic of)	28	8	6	5	92	1	0	70	201	410
Viet Nam	6 692	2 923	138	343	271	105	267	5 506	10 562	26 807
Yemen	116	3	0	2	0	1	4	7	182	315
Zambia	50	286	20	34	158	61	125	74	9	817
Zimbabwe	45	17	0	2	5	5	28	31	1	134

Source: FAO. 2023. FAOSTAT: Trade: Crops and livestock products. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/TCL>.
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In: FishStat. https://www.fao.org/fishery/en/collection/global_commodity_prod. Licence: CC-BY-4.0.

TABLE 30.
FOOD NET TRADE (USD MILLION)

COUNTRY	FOOD EXCLUDING AQUATIC ANIMAL FOODS			AQUATIC ANIMAL FOODS			ALL FOOD		
	2000	2010	2022	2000	2010	2022	2000	2010	2022
World									
Africa	-7 264	-26 507	-48 767	1 791	1 308	1 836	-5 473	-25 199	-46 931
Americas	23 968	102 909	164 460	-936	-3 062	-3 264	23 032	99 847	161 196
Asia	-46 276	-106 378	-293 684	-2 995	8 670	4 805	-49 271	-97 708	-288 880
Europe	-75	-14 200	39 500	-2 855	-7 458	-4 027	-2 930	-21 658	35 473
Oceania	13 321	25 539	50 893	1 282	1 054	1 101	14 603	26 594	51 994
Afghanistan	-212	-947	-2 431	0	0	-5	-212	-947	-2 436
Albania	-202	-655	-883	1	8	3	-201	-648	-880
Algeria	-2 374	-5 328	-10 838	-8	-44	-74	-2 382	-5 372	-10 912
Andorra				-12	-19	-21			
Angola	-398	-2 156	-3 020	-6	-85	4	-404	-2 241	-3 016
Antigua and Barbuda	-30	-68	-152	-4	-6	-9	-34	-74	-162
Argentina	6 881	21 874	32 582	718	1 189	1 461	7 599	23 063	34 044
Armenia	-148	-400	-395	-1	3	98	-149	-398	-298
Australia	9 324	13 516	28 659	501	-231	-922	9 825	13 285	27 737
Austria	-328	107	835	-144	-384	-481	-472	-276	354
Azerbaijan	-174	-475	-1 526	1	-10	-49	-174	-486	-1 575
Bahamas	-325	-389	-777	94	55	53	-232	-334	-724
Bahrain	-346	-827	-1 218	5	-1	-11	-341	-828	-1 229
Bangladesh	-1 306	-4 500	-11 201	339	524	298	-967	-3 976	-10 903
Barbados	-59	-174	-304	-10	-17	-35	-68	-192	-340
Belarus	-312	1 075	2 606	-52	-149	45	-365	927	2 650
Belgium	2 492	4 105	6 944	-535	-859	-1 109	1 956	3 246	5 835
Belize	93	55	-7	30	30	26	123	85	19
Benin	-72	40	-937	-7	-26	-102	-79	14	-1 040
Bhutan	-10	-61	-194	0	-3	-8	-10	-65	-202
Bolivia (Plurinational State of)	-20	287	1 428	-9	-10	-14	-30	277	1 413
Bosnia and Herzegovina	-368	-1 112	-1 578	-9	-22	-36	-378	-1 134	-1 614
Botswana	-238	-374	-795	-10	-13	-10	-248	-387	-805
Brazil	6 353	46 949	105 979	-85	-837	-1 081	6 268	46 112	104 898
Brunei Darussalam	-148	-296	-532	-14	-25	-30	-162	-321	-562
Bulgaria	49	760	1 589	-3	-32	-68	46	728	1 520
Burkina Faso	-114	-130	-185	-1	-8	-24	-116	-138	-209
Burundi	13	29	-49	0	0	-3	13	28	-53
Cabo Verde	-70	-196	-267	1	35	24	-69	-161	-243
Cambodia	-70	-391	-170	29	37	31	-41	-354	-139
Cameroon	50	239	-527	-26	-183	-235	24	56	-762
Canada	4 133	7 834	18 874	1 482	1 708	2 865	5 615	9 542	21 739
Central African Republic	2	-34	-131	0	-4	-7	2	-38	-138
Chad	17	-96	-130	0	-1	-2	17	-97	-132
Chile	1 550	4 847	3 489	1 530	2 705	7 535	3 080	7 551	11 024
China	-4 565	-41 048	-162 536	2 415	7 446	-173	-2 150	-33 602	-162 710
Colombia	1 292	1 124	695	128	-62	-358	1 420	1 062	338

TABLE 30.
FOOD NET TRADE (USD MILLION) (CONTINUED)

COUNTRY	FOOD EXCLUDING AQUATIC ANIMAL FOODS			AQUATIC ANIMAL FOODS			ALL FOOD		
	2000	2010	2022	2000	2010	2022	2000	2010	2022
Comoros	-8	-55	-123	0	-1	-5	-8	-56	-128
Congo	-128	-237	-864	-19	-16	-129	-146	-253	-994
Costa Rica	1 092	1 868	2 962	99	56	1	1 192	1 924	2 964
Côte d'Ivoire	1 333	3 446	4 659	-3	-155	-629	1 329	3 291	4 029
Croatia	-277	-704	-1 129	11	33	56	-266	-671	-1 072
Cuba	-49	-1 061	-2 218	47	35	47	-2	-1 026	-2 170
Cyprus	-202	-693	-856	-19	-51	-70	-221	-745	-926
Czechia	-233	-1 535	-1 560	-51	-119	-242	-284	-1 654	-1 803
Democratic People's Republic of Korea	-410	-290	-257	75	19	5	-334	-271	-252
Democratic Republic of the Congo	-173	-867	-1 095	-26	-112	-113	-199	-979	-1 208
Denmark	4 054	5 625	5 169	838	961	598	4 892	6 586	5 767
Djibouti	-79	-375	-1 626	-2	-1	-31	-81	-377	-1 657
Dominica	-6	-30	-50	-2	-2	-2	-8	-32	-52
Dominican Republic	-159	-445	-2 558	-50	-128	-298	-209	-572	-2 856
Ecuador	879	2 130	3 739	567	1 456	9 354	1 446	3 586	13 093
Egypt	-2 532	-7 908	-10 473	-134	-476	-810	-2 666	-8 384	-11 284
El Salvador	-2	-363	-1 475	18	33	66	16	-330	-1 410
Equatorial Guinea	-4	-130	-251	-1	-19	-31	-5	-149	-282
Eritrea	-68	-89	-158	2	0	0	-66	-90	-158
Estonia	-192	-227	-89	47	80	20	-145	-147	-69
Eswatini	114	80	46	-5	-3	-8	108	77	38
Ethiopia	22	417	-1 396	0	-1	-4	22	416	-1 400
Fiji	44	-70	-131	25	77	68	69	7	-63
Finland	-763	-2 248	-3 348	-85	-320	-369	-849	-2 568	-3 717
France	12 361	16 247	17 800	-1 859	-4 305	-5 797	10 502	11 942	12 002
Gabon	-152	-397	-517	3	-20	-71	-149	-417	-587
Gambia	-55	-146	-539	3	5	1	-52	-141	-538
Georgia	-119	-468	-413	-1	-28	-56	-120	-497	-469
Germany	-8 895	-9 832	-16 297	-1 116	-2 230	-3 666	-10 011	-12 061	-19 963
Ghana	223	-6	-8	-5	-78	42	219	-84	34
Greece	-897	-2 461	-562	-28	205	235	-925	-2 256	-327
Grenada	-11	-56	-105	1	3	-4	-10	-53	-109
Guatemala	874	1 736	2 565	28	31	2	902	1 767	2 567
Guinea	-102	-325	-995	4	5	27	-98	-319	-968
Guinea-Bissau	8	-29	41	3	3	10	11	-26	52
Guyana	109	162	-92	50	48	45	159	210	-47
Haiti	-295	-873	-1 274	-3	-14	-26	-298	-887	-1 300
Honduras	241	585	812	183	156	406	424	741	1 217
Hungary	1 313	2 998	2 658	-17	-59	-111	1 296	2 940	2 547
Iceland	-140	-208	-512	1 021	1 575	2 325	881	1 367	1 813
India	1 345	2 195	6 442	1 405	2 452	7 444	2 750	4 647	13 886
Indonesia	850	12 377	23 231	1 531	2 302	4 884	2 381	14 680	28 116
Iran (Islamic Republic of)	-1 619	-2 423	-10 692	44	123	269	-1 575	-2 299	-10 423

TABLE 30.
FOOD NET TRADE (USD MILLION) (CONTINUED)

COUNTRY	FOOD EXCLUDING AQUATIC ANIMAL FOODS			AQUATIC ANIMAL FOODS			ALL FOOD		
	2000	2010	2022	2000	2010	2022	2000	2010	2022
Iraq	-1 860	-5 912	-12 385	0	-45	-95	-1 859	-5 957	-12 479
Ireland	3 792	3 214	6 925	209	271	354	4 002	3 486	7 279
Israel	-818	-1 835	-5 909	-118	-287	-940	-937	-2 122	-6 849
Italy	-1 166	-267	7 891	-2 106	-4 578	-6 640	-3 272	-4 845	1 251
Jamaica	-104	-466	-898	-41	-80	-144	-146	-546	-1 042
Japan	-26 736	-38 703	-48 640	-14 413	-12 269	-12 061	-41 149	-50 972	-60 701
Jordan	-535	-1 219	-2 796	-19	-73	-140	-554	-1 292	-2 936
Kazakhstan	192	-844	-150	-7	39	-99	185	-805	-249
Kenya	385	822	-285	35	56	30	420	878	-256
Kiribati	-9	-23	-42	5	28	172	-4	5	130
Kuwait	-1 100	-2 074	-4 368	-20	-87	-308	-1 120	-2 160	-4 676
Kyrgyzstan	-46	-341	-620	-2	-9	10	-48	-350	-610
Lao People's Democratic Republic	-25	-181	842	-1	-1	-17	-26	-182	825
Latvia	-416	-117	487	13	34	25	-404	-82	512
Lebanon	-809	-1 881	-1 738	-41	-110	-90	-850	-1 991	-1 828
Lesotho	-115	-166	-284	-8	-3	3	-122	-169	-281
Liberia	-80	-242	-311	-3	-4	-21	-83	-246	-332
Libya	-1 002	-2 009	-3 552	3	-64	-216	-999	-2 074	-3 768
Lithuania	-74	404	1 182	-20	33	47	-95	437	1 228
Luxembourg	-385	-926	-1 075	-43	-81	-118	-428	-1 007	-1 192
Madagascar	-5	-160	45	31	87	113	26	-72	158
Malawi	44	42	186	0	-1	-2	43	40	184
Malaysia	1 538	8 054	11 661	47	38	-628	1 585	8 092	11 033
Maldives	-72	-220	-641	40	59	114	-33	-161	-528
Mali	23	-247	-773	-1	-12	-66	22	-259	-839
Malta	-187	-359	-588	-8	51	96	-195	-308	-493
Marshall Islands				2	50	60			
Mauritania	-135	-300	-1 131	87	199	897	-48	-101	-234
Mauritius	-2	-243	-755	-4	96	65	-6	-147	-690
Mexico	-754	-935	12 590	597	188	20	-157	-748	12 610
Micronesia (Federated States of)				25	23	167			
Mongolia	-69	-262	-844	0	-3	-11	-69	-264	-856
Montenegro		-415	-669	0	-12	-27		-427	-696
Morocco	-788	-1 668	-3 389	934	1 209	2 124	146	-458	-1 265
Mozambique	-177	-484	-905	91	21	-50	-86	-463	-955
Myanmar	84	406	2 203	183	475	723	267	881	2 926
Namibia	-97	22	-430	256	713	680	159	734	250
Nauru	-2	-2	-17						
Nepal	-162	-357	-1 658	0	-2	-7	-163	-359	-1 665
Netherlands (Kingdom of the)	6 337	17 529	22 504	217	440	1 239	6 554	17 968	23 743
New Zealand	4 097	12 666	23 011	596	917	963	4 693	13 583	23 975
Nicaragua	152	667	1 220	124	129	269	276	795	1 489
Niger	-26	-144	-849	1	-1	-5	-24	-145	-854

TABLE 30.
FOOD NET TRADE (USD MILLION) (CONTINUED)

COUNTRY	FOOD EXCLUDING AQUATIC ANIMAL FOODS			AQUATIC ANIMAL FOODS			ALL FOOD		
	2000	2010	2022	2000	2010	2022	2000	2010	2022
Nigeria	-815	-4 503	-4 238	-168	-768	-818	-983	-5 272	-5 055
North Macedonia	-80	-194	-521	-7	-17	-26	-87	-211	-547
Norway	-1 237	-4 036	-5 910	3 017	8 175	14 564	1 781	4 139	8 654
Oman	-401	-1 462	-3 283	46	92	284	-355	-1 370	-2 999
Pakistan	-751	-444	-4 417	149	258	449	-602	-186	-3 968
Palau				0	-1	-2			
Panama	-56	-610	-1 691	231	150	26	175	-460	-1 664
Papua New Guinea	154	319	542	47	101	349	200	420	891
Paraguay	229	2 961	4 600	-2	-6	-13	228	2 955	4 586
Peru	-166	513	3 142	153	475	1 260	-13	987	4 402
Philippines	-713	-2 019	-10 366	328	511	102	-385	-1 509	-10 264
Poland	-22	3 874	13 992	-59	-129	-342	-80	3 745	13 650
Portugal	-1 800	-3 766	-3 869	-572	-888	-1 355	-2 373	-4 654	-5 224
Qatar	-338	-1 720	-3 607	-4	-53	-149	-341	-1 773	-3 756
Republic of Korea	-4 249	-10 697	-26 529	46	-1 466	-4 008	-4 203	-12 163	-30 537
Republic of Moldova	183	266	786	-3	-41	-81	180	224	705
Romania	-399	-643	-1 235	-17	-161	-405	-416	-804	-1 640
Russian Federation	-4 835	-23 346	-4 327	1 341	502	4 395	-3 495	-22 844	68
Rwanda	-13	-58	-403	0	-4	-26	-13	-62	-429
Saint Kitts and Nevis	-24	-39	-52	-2	-3	-4	-26	-43	-55
Saint Lucia	-46	-74	-153	-5	-7	-11	-51	-81	-164
Saint Vincent and the Grenadines	6	-52	-92	0	-1	3	6	-53	-89
Samoa	-17	-60	-97	-1	7	-6	-18	-53	-103
San Marino									
Sao Tome and Principe	-5	-26	-33	0	0	0	-5	-26	-33
Saudi Arabia	-4 389	-12 191	-19 440	-96	-227	-478	-4 485	-12 418	-19 918
Senegal	-241	-915	-1 411	258	232	543	17	-683	-868
Serbia		1 214	1 459	0	-62	-128		1 152	1 331
Seychelles	-47	-75	-197	103	178	445	55	103	248
Sierra Leone	-104	-137	-398	10	4	-5	-94	-133	-403
Singapore	-1 310	-2 479	117	-86	-623	-978	-1 396	-3 103	-861
Slovakia	-223	-1 054	-1 627	-24	-68	-134	-247	-1 122	-1 761
Slovenia	-300	-867	-647	-18	-55	-88	-318	-922	-735
Solomon Islands	23	-42	-22	12	15	50	35	-27	29
Somalia	-25	-157	-2 212	2	-1	-2	-23	-159	-2 214
South Africa	810	1 598	5 202	216	256	53	1 025	1 854	5 256
South Sudan			-424	0	0	-1			-425
Spain	4 726	10 120	20 410	-1 707	-3 177	-3 629	3 020	6 943	16 781
Sri Lanka	224	300	365	59	33	225	283	333	590
Sudan			-1 406	0	0	-3			-1 409
Suriname	-33	-84	-178	35	58	53	2	-26	-125
Sweden	-1 636	-4 534	-6 384	-245	-612	-836	-1 881	-5 146	-7 220
Switzerland	-2 152	-2 166	-3 078	-343	-631	-922	-2 495	-2 797	-3 999

TABLE 30.
FOOD NET TRADE (USD MILLION) (CONTINUED)

COUNTRY	FOOD EXCLUDING AQUATIC ANIMAL FOODS			AQUATIC ANIMAL FOODS			ALL FOOD		
	2000	2010	2022	2000	2010	2022	2000	2010	2022
Syrian Arab Republic	-351	-827	-1 460	-33	-58	-25	-384	-885	-1 485
Tajikistan	-99	-375	-969	0	-3	-12	-99	-378	-982
Thailand	4 028	12 846	21 637	3 639	4 861	1 265	7 666	17 707	22 903
Timor-Leste	-30	-43	-215	0	-3	-8	-30	-46	-223
Togo	-9	63	-58	-9	-20	-42	-17	43	-100
Tonga	-15	-36	-65	3	3	-2	-13	-33	-66
Trinidad and Tobago	-64	-415	-673	4	-17	-43	-60	-432	-716
Tunisia	-183	-732	-1 216	75	85	148	-108	-647	-1 068
Türkiye	1 398	4 575	6 530	52	206	1 327	1 450	4 781	7 857
Turkmenistan	-89	-289	-390	0	-4	-2	-89	-292	-391
Tuvalu	-1	-4	-8	0	12	35	-1	8	27
Uganda	68	95	749	29	122	139	97	217	888
Ukraine	696	3 845	17 732	-69	-400	-680	627	3 445	17 052
United Arab Emirates	-1 719	-6 932	-8 691	-18	-256	-457	-1 736	-7 188	-9 147
United Kingdom of Great Britain and Northern Ireland	-8 516	-23 828	-35 450	-784	-1 135	-2 048	-9 300	-24 962	-37 498
United Republic of Tanzania	10	-204	452	94	146	163	104	-58	615
United States of America	2 988	18 099	-20 500	-7 420	-10 857	-26 175	-4 431	7 242	-46 675
Uruguay	553	3 199	6 230	97	124	76	650	3 323	6 306
Uzbekistan	-225	-412	-2 148	-1	1	-26	-227	-410	-2 174
Vanuatu	-1	-22	-71	57	57	155	57	35	84
Venezuela (Bolivarian Republic of)	-1 254	-5 843	-3 197	113	-218	145	-1 141	-6 061	-3 052
Viet Nam	1 338	2 227	-7 892	1 451	4 677	8 098	2 789	6 904	206
Yemen	-667	-2 351	-4 451	16	220	163	-651	-2 131	-4 288
Zambia	-17	76	301	-1	-8	-137	-18	68	164
Zimbabwe	177	-908	-864	-3	-15	-17	173	-924	-881

Source: FAO. 2023. FAOSTAT: Trade: Crops and livestock products. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/TCL>.

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In: FishStat. https://www.fao.org/fishery/en/collection/global_commodity_prod. Licence: CC-BY-4.0.

TABLE 31.
FOOD IMPORTS, 2022 (USD MILLION)

COUNTRY	FOOD EXCLUDING AQUATIC ANIMAL FOODS								AQUATIC ANIMAL FOODS	ALL FOOD
	FRUIT AND VEGETABLES	CEREALS AND PREPARATIONS	MEAT AND MEAT PREPARATIONS	FATS AND OILS (EXCLUDING BUTTER)	BEVERAGES	DAIRY PRODUCTS AND EGGS	SUGAR AND HONEY	OTHER FOOD		
World	334 227	305 510	190 490	166 846	136 684	111 433	65 008	398 855	181 129	1 890 182
Africa	8 204	40 964	5 530	15 527	3 554	6 473	9 212	14 042	5 890	109 394
Americas	77 420	58 018	31 981	25 151	44 784	11 314	12 315	67 232	40 744	368 958
Asia	101 918	119 898	81 043	75 126	28 338	32 819	24 457	160 157	61 045	684 801
Europe	143 149	83 205	70 277	49 709	56 830	59 166	18 072	150 851	71 269	702 527
Oceania	3 536	3 425	1 659	1 333	3 178	1 662	954	6 574	2 181	24 502
Afghanistan	352	1 470	13	640	16	38	155	333	5	3 023
Albania	137	196	148	73	158	63	71	215	137	1 197
Algeria	822	4 547	19	1 169	21	2 034	905	1 802	105	11 425
Andorra									21	
Angola	99	1 122	680	644	97	131	187	105	53	3 118
Antigua and Barbuda	30	18	35	6	29	14	3	22	11	166
Argentina	650	136	163	303	109	37	48	2 870	235	4 551
Armenia	193	224	116	106	68	112	63	203	27	1 112
Australia	2 555	1 917	786	780	2 452	1 230	430	4 910	1 795	16 855
Austria	3 363	2 450	1 572	733	1 348	1 197	443	3 320	644	15 069
Azerbaijan	309	696	111	302	82	188	229	468	51	2 436
Bahamas	165	96	173	24	133	67	19	102	43	822
Bahrain	405	303	338	109	109	404	70	284	59	2 080
Bangladesh	1 677	3 002	32	3 131	10	569	1 140	2 121	163	11 845
Barbados	73	70	55	18	54	42	19	79	37	446
Belarus	569	551	102	258	237	19	85	1 230	336	3 386
Belgium	7 902	6 065	2 889	3 551	3 160	4 991	1 192	10 409	2 393	42 551
Belize	9	37	13	29	24	22	1	41	1	177
Benin	20	776	114	62	14	8	30	30	103	1 157
Bhutan	27	59	25	29	14	26	9	28	8	225
Bolivia (Plurinational State of)	73	208	8	23	60	24	41	255	14	707
Bosnia and Herzegovina	257	375	277	128	244	124	131	522	58	2 116
Botswana	123	275	18	66	164	52	104	134	15	950
Brazil	1 855	4 829	456	1 843	1 027	771	124	1 158	1 449	13 512
Brunei Darussalam	140	119	42	26	47	46	9	106	63	599
Bulgaria	776	523	592	707	409	397	261	1 988	157	5 811
Burkina Faso	25	323	1	24	38	32	30	70	25	568
Burundi	6	69	7	8	11	1	31	14	3	152
Cabo Verde	45	66	45	23	20	35	12	22	8	275
Cambodia	47	346	70	20	273	69	86	205	39	1 155
Cameroon	52	890	9	84	71	72	143	105	237	1 662
Canada	12 305	5 973	3 632	1 535	5 062	977	1 564	9 540	3 598	44 185
Central African Republic	13	19	19	7	9	7	3	54	7	139
Chad	14	85	6	5	9	17	69	39	2	246
Chile	924	2 012	2 224	977	735	422	482	1 217	332	9 326

TABLE 31.
FOOD IMPORTS, 2022 (USD MILLION) (CONTINUED)

COUNTRY	FOOD EXCLUDING AQUATIC ANIMAL FOODS								AQUATIC ANIMAL FOODS	ALL FOOD
	FRUIT AND VEGETABLES	CEREALS AND PREPARATIONS	MEAT AND MEAT PREPARATIONS	FATS AND OILS (EXCLUDING BUTTER)	BEVERAGES	DAIRY PRODUCTS AND EGGS	SUGAR AND HONEY	OTHER FOOD		
China	33 161	30 570	36 920	14 912	10 449	10 928	4 389	83 558	24 362	249 249
Colombia	865	3 665	519	813	430	286	260	1 446	535	8 818
Comoros	8	48	35	13	29	6	13	8	5	164
Congo	31	292	324	85	42	30	11	58	134	1 005
Costa Rica	382	710	186	61	209	88	57	547	135	2 376
Côte d'Ivoire	150	1 347	145	105	119	140	82	105	744	2 937
Croatia	775	577	682	263	331	442	145	971	273	4 459
Cuba	122	807	672	141	189	175	23	269	22	2 420
Cyprus	205	347	144	52	201	115	39	230	106	1 440
Czechia	2 232	1 208	1 747	579	863	1 003	352	2 637	476	11 098
Democratic People's Republic of Korea	37	66	20	70	18	5	34	48	1	300
Democratic Republic of the Congo	105	483	208	37	69	100	67	161	114	1 343
Denmark	1 961	1 187	1 781	820	1 353	1 160	402	1 936	4 216	14 817
Djibouti	242	388	14	1 026	44	27	334	61	31	2 168
Dominica	4	10	13	5	9	6	2	6	2	57
Dominican Republic	473	1 095	557	479	544	415	79	605	308	4 555
Ecuador	297	946	27	357	143	16	119	422	139	2 466
Egypt	1 330	6 605	1 320	2 068	51	692	237	4 052	844	17 200
El Salvador	368	718	336	292	190	286	42	431	47	2 711
Equatorial Guinea	20	99	75	23	84	26	16	22	31	395
Eritrea	13	80	1	32	0	1	12	20	0	159
Estonia	362	187	235	90	293	142	64	420	200	1 992
Eswatini	49	137	12	25	59	32	22	48	8	393
Ethiopia	231	1 468	1	1 421	26	21	588	138	4	3 897
Fiji	88	123	56	73	27	62	19	61	37	546
Finland	1 206	710	404	155	632	441	229	1 376	677	5 831
France	14 890	5 930	7 986	3 560	4 919	6 103	1 347	13 733	7 903	66 371
Gabon	40	176	197	16	48	46	6	45	73	648
Gambia	29	177	81	76	16	25	91	86	1	582
Georgia	207	327	183	130	88	117	123	301	64	1 541
Germany	24 665	9 579	9 263	5 338	7 342	10 424	2 185	25 356	6 285	100 438
Ghana	171	824	465	348	180	119	231	396	144	2 878
Greece	1 150	1 224	1 595	551	468	1 306	373	1 451	740	8 858
Grenada	16	22	27	5	16	13	6	21	7	132
Guatemala	455	1 492	444	365	345	325	117	783	161	4 486
Guinea	70	592	111	109	27	18	132	159	3	1 221
Guinea-Bissau	12	48	6	8	39	9	2	19	5	149
Guyana	47	106	15	26	61	55	21	67	6	405
Haiti	47	648	150	216	52	18	103	68	37	1 339
Honduras	286	926	204	143	278	143	47	449	24	2 499
Hungary	1 098	1 447	981	561	415	578	310	2 415	132	7 937

TABLE 31.
FOOD IMPORTS, 2022 (USD MILLION) (CONTINUED)

COUNTRY	FOOD EXCLUDING AQUATIC ANIMAL FOODS								AQUATIC ANIMAL FOODS	ALL FOOD
	FRUIT AND VEGETABLES	CEREALS AND PREPARATIONS	MEAT AND MEAT PREPARATIONS	FATS AND OILS (EXCLUDING BUTTER)	BEVERAGES	DAIRY PRODUCTS AND EGGS	SUGAR AND HONEY	OTHER FOOD		
Iceland	155	126	42	25	103	10	22	151	116	749
India	6 564	299	8	21 519	830	34	382	2 398	180	32 214
Indonesia	3 395	5 031	1 103	337	170	1 894	3 460	4 755	563	20 709
Iran (Islamic Republic of)	926	5 450	343	2 240	71	70	625	2 722	25	12 472
Iraq	3 263	3 561	1 238	1 539	249	525	755	1 430	95	12 655
Ireland	1 499	1 857	1 161	687	1 138	1 056	451	1 715	308	9 872
Israel	1 363	1 907	1 072	458	567	210	359	1 940	956	8 834
Italy	8 190	7 972	6 168	6 134	2 585	5 111	1 558	10 051	7 607	55 376
Jamaica	155	385	121	89	97	119	95	247	159	1 465
Japan	10 019	11 345	14 642	1 932	3 143	1 799	1 169	10 528	14 568	69 146
Jordan	457	1 195	344	250	104	246	215	906	144	3 861
Kazakhstan	1 108	795	445	327	530	457	481	1 134	194	5 472
Kenya	147	1 270	10	1 155	92	113	246	208	17	3 259
Kiribati	2	14	12	2	3	3	4	6	3	49
Kuwait	856	964	878	300	161	464	147	762	310	4 841
Kyrgyzstan	284	180	65	93	104	34	97	145	9	1 012
Lao People's Democratic Republic	150	164	25	21	147	34	295	273	17	1 125
Latvia	616	537	338	265	959	335	92	552	258	3 950
Lebanon	303	648	156	248	79	175	225	633	92	2 559
Lesotho	35	147	64	21	53	22	18	34	6	401
Liberia	21	190	96	42	17	18	16	53	23	476
Libya	616	765	392	385	79	464	271	591	254	3 817
Lithuania	801	486	465	436	647	577	107	831	716	5 065
Luxembourg	424	276	290	35	542	520	28	388	136	2 638
Madagascar	16	511	1	267	5	21	58	48	28	955
Malawi	6	27	1	54	4	4	9	35	2	142
Malaysia	2 816	3 604	1 534	3 596	685	1 444	1 100	4 495	1 491	20 764
Maldives	184	81	107	28	55	87	13	85	33	674
Mali	84	396	15	100	61	41	21	265	66	1 049
Malta	115	142	127	24	104	65	26	107	190	899
Marshall Islands									14	
Mauritania	129	376	40	184	4	85	299	36	5	1 158
Mauritius	135	249	99	92	64	137	73	157	273	1 279
Mexico	3 254	8 911	6 128	1 810	977	2 849	864	6 285	1 124	32 204
Micronesia (Federated States of)									5	
Mongolia	143	144	75	63	136	65	81	294	11	1 014
Montenegro	96	110	148	34	95	71	17	162	27	760
Morocco	833	3 916	53	1 093	176	433	831	1 031	313	8 678
Mozambique	101	735	73	408	78	57	12	127	101	1 692
Myanmar	31	374	5	713	159	56	56	119	10	1 521

TABLE 31.
FOOD IMPORTS, 2022 (USD MILLION) (CONTINUED)

COUNTRY	FOOD EXCLUDING AQUATIC ANIMAL FOODS								AQUATIC ANIMAL FOODS	ALL FOOD
	FRUIT AND VEGETABLES	CEREALS AND PREPARATIONS	MEAT AND MEAT PREPARATIONS	FATS AND OILS (EXCLUDING BUTTER)	BEVERAGES	DAIRY PRODUCTS AND EGGS	SUGAR AND HONEY	OTHER FOOD		
Namibia	97	214	87	68	168	51	116	115	97	1 015
Nauru	2	1	5	0	2	1	1	5		
Nepal	451	558	0	752	21	17	40	393	7	2 238
Netherlands (Kingdom of the)	17 860	8 398	7 469	7 644	4 842	6 175	1 389	17 242	5 398	76 417
New Zealand	721	734	267	354	566	185	403	1 227	220	4 676
Nicaragua	89	560	79	157	87	54	33	237	21	1 316
Niger	35	622	6	73	8	14	39	97	6	900
Nigeria	249	2 575	19	550	352	419	811	515	869	6 361
North Macedonia	135	160	192	102	71	84	64	219	34	1 061
Norway	1 605	899	220	980	1 016	190	234	1 541	566	7 251
Oman	732	921	432	578	119	735	136	480	102	4 235
Pakistan	1 290	1 213	3	4 231	5	80	63	2 176	8	9 070
Palau									2	
Panama	302	559	169	152	283	165	36	390	102	2 158
Papua New Guinea	32	390	191	65	28	41	55	182	46	1 031
Paraguay	114	230	39	22	277	38	32	217	13	983
Peru	374	2 558	263	885	219	400	279	841	265	6 087
Philippines	1 337	5 122	2 275	1 846	450	1 496	736	2 712	744	16 719
Poland	5 239	2 863	2 311	2 712	1 422	1 642	795	6 732	3 204	26 920
Portugal	2 152	2 365	1 804	882	655	818	360	2 668	2 678	14 382
Qatar	787	572	757	179	121	355	94	780	149	3 794
Republic of Korea	4 217	7 629	7 635	2 608	1 396	1 558	1 517	6 224	6 325	39 110
Republic of Moldova	184	176	77	79	83	102	24	307	81	1 112
Romania	2 118	2 012	1 619	505	734	1 034	512	3 014	450	11 999
Russian Federation	8 092	1 129	1 229	1 712	2 846	2 614	437	5 691	2 765	26 515
Rwanda	64	344	8	226	53	24	196	85	64	1 065
Saint Kitts and Nevis	6	8	15	3	11	5	2	7	4	62
Saint Lucia	19	26	58	8	29	12	5	16	11	184
Saint Vincent and the Grenadines	8	27	30	5	12	9	12	8	2	112
Samoa	8	22	36	7	3	11	6	15	14	122
San Marino										
Sao Tome and Principe	5	18	4	5	11	3	2	2	0	50
Saudi Arabia	3 857	6 507	2 774	1 644	135	2 118	1 160	4 365	688	23 249
Senegal	160	1 322	34	196	45	101	126	217	57	2 257
Serbia	664	301	265	147	190	221	78	727	146	2 738
Seychelles	42	28	32	19	24	24	3	26	146	345
Sierra Leone	38	246	46	9	11	13	29	77	14	483
Singapore	1 866	1 009	1 432	1 566	3 255	1 239	387	2 609	1 232	14 596
Slovakia	1 074	841	1 000	389	517	845	148	1 539	153	6 506
Slovenia	776	723	381	217	247	252	129	684	160	3 569
Solomon Islands	2	32	21	10	3	4	9	14	3	99

TABLE 31.
FOOD IMPORTS, 2022 (USD MILLION) (CONTINUED)

COUNTRY	FOOD EXCLUDING AQUATIC ANIMAL FOODS								AQUATIC ANIMAL FOODS	ALL FOOD
	FRUIT AND VEGETABLES	CEREALS AND PREPARATIONS	MEAT AND MEAT PREPARATIONS	FATS AND OILS (EXCLUDING BUTTER)	BEVERAGES	DAIRY PRODUCTS AND EGGS	SUGAR AND HONEY	OTHER FOOD		
Somalia	415	648	32	337	12	203	495	125	15	2 282
South Africa	640	1 506	408	1 166	682	183	399	1 076	481	6 540
South Sudan	63	172	10	18	28	25	70	45	1	432
Spain	7 813	8 492	2 348	4 784	2 248	2 870	1 365	8 504	9 256	47 681
Sri Lanka	371	799	4	91	39	222	359	259	66	2 211
Sudan	239	847	4	227	7	160	1 127	373	5	2 987
Suriname	30	46	27	26	46	18	19	30	7	249
Sweden	2 728	1 225	1 599	1 158	1 632	1 238	420	2 776	6 148	18 925
Switzerland	2 957	1 622	945	480	2 257	753	359	3 280	927	13 581
Syrian Arab Republic	362	487	24	388	38	71	149	376	26	1 921
Tajikistan	67	459	24	172	49	19	115	129	12	1 046
Thailand	2 961	2 113	323	390	464	968	372	4 210	4 289	16 088
Timor-Leste	9	93	38	16	47	7	10	23	8	252
Togo	16	101	17	63	28	33	53	59	43	414
Tonga	5	11	27	2	6	9	1	6	4	72
Trinidad and Tobago	194	229	132	105	72	147	76	158	54	1 166
Tunisia	121	1 542	15	467	20	59	188	581	131	3 123
Türkiye	2 300	5 838	145	3 907	667	134	621	5 290	324	19 225
Turkmenistan	36	185	64	23	8	11	56	73	2	458
Tuvalu	1	2	2	0	1	1	1	1	0	8
Uganda	62	322	5	115	35	4	84	79	7	713
Ukraine	1 198	426	217	324	488	224	69	1 268	725	4 941
United Arab Emirates	4 628	2 880	2 879	912	1 509	2 154	899	4 203	860	20 924
United Kingdom of Great Britain and Northern Ireland	15 294	7 836	9 583	2 578	9 221	3 958	1 796	12 699	4 486	67 450
United Republic of Tanzania	20	501	7	165	59	11	206	50	3	1 022
United States of America	52 829	18 311	14 558	13 497	32 800	3 029	7 253	37 877	31 648	211 803
Uruguay	196	265	312	184	93	36	81	252	50	1 468
Uzbekistan	294	1 158	319	644	83	82	560	597	27	3 763
Vanuatu	6	29	17	6	5	8	4	8	7	92
Venezuela (Bolivarian Republic of)	404	1 381	140	547	82	231	350	271	56	3 462
Viet Nam	7 107	6 395	1 576	1 660	1 311	925	934	4 229	2 464	26 601
Yemen	469	2 444	239	257	32	375	373	395	19	4 603
Zambia	42	80	33	168	53	34	30	66	146	654
Zimbabwe	51	359	7	369	36	38	27	111	17	1 015

Source: FAO. 2023. FAOSTAT: Trade: Crops and livestock products. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/TCL>.

Licence: CC-BY-4.0. and FAO. 2024. FishStat: Global aquatic trade - All partners aggregated (1976 - 2022). [Accessed on 15 November 2024]. In: FishStat. https://www.fao.org/fishery/en/collection/global_commodity_prod. Licence: CC-BY-4.0.

TABLE 32.
CEREALS EXPORTS (THOUSAND TONNES)

COUNTRY	2000	2005	2010	2015	2018	2019	2020	2021	2022
World	261 088.1	277 513.8	326 384.0	420 809.6	459 294.3	464 483.2	491 793.8	510 778.7	502 774.8
Africa	1 612.5	3 683.2	3 300.4	3 053.7	4 272.6	2 767.3	4 490.9	5 783.6	6 417.4
Americas	134 199.7	130 176.8	152 293.1	170 886.9	197 759.7	204 775.9	212 599.7	211 749.5	223 008.5
Asia	36 236.1	35 272.0	37 169.5	44 415.3	50 124.0	45 028.2	48 264.1	62 806.5	68 246.5
Europe	66 684.7	90 130.6	113 192.8	178 256.0	187 872.8	199 129.4	211 365.0	193 959.5	165 178.9
Oceania	22 355.1	18 251.2	20 428.1	24 197.8	19 265.1	12 782.4	15 074.0	36 479.6	39 923.5
Afghanistan			0.0	0.2	2.4	12.1	9.0	6.5	4.9
Albania	0.0	0.0	0.0	0.0					0.0
Algeria	0.0	0.0	0.0	0.0	0.1	0.4	0.6	2.7	1.2
Andorra									
Angola	0.0	0.0	0.0	0.0	0.6	2.0	0.6	0.0	0.8
Antigua and Barbuda	0.0	0.0	0.0			0.0	0.0		
Argentina	23 194.4	26 085.4	24 259.8	23 955.9	38 118.5	49 811.9	50 128.7	51 113.6	54 170.0
Armenia	0.0	0.0	0.0	0.9	0.0	0.0	0.1	2.4	3.6
Australia	22 331.1	18 248.7	20 413.7	24 189.9	19 259.1	12 774.9	15 070.6	36 458.4	39 919.1
Austria	944.4	1 265.0	1 163.1	1 246.5	1 112.7	1 179.7	1 297.4	1 414.8	1 283.6
Azerbaijan	2.5	0.6	0.3	0.0	42.8	17.7	0.0	48.1	17.6
Bahamas	0.0	0.0	0.0	0.0	0.0	0.0			0.0
Bahrain	0.1	0.3	0.3	1.0	0.6	0.7	16.3	2.3	3.9
Bangladesh	0.7	4.5	3.9	3.6	8.3	69.7	33.4	32.5	32.9
Barbados	0.3	0.3	0.1	0.0	0.0	0.0	0.0	0.1	0.0
Belarus	3.7	4.0	23.7	47.7	65.4	12.1	73.1	133.0	73.5
Belgium	1 644.2	1 515.3	1 471.4	1 589.6	1 653.3	1 416.1	1 427.0	1 411.4	1 239.5
Belize	0.6	0.9	10.7	10.9	17.3	7.8	6.1	9.2	7.2
Benin	2.0	5.0	580.5	0.6	1.2	2.2	0.9	1.0	2.4
Bhutan	0.3	0.1	0.4	0.1	0.0	0.0	0.0	7.0	0.0
Bolivia (Plurinational State of)	5.1	10.6	33.9	150.6	61.3	56.3	53.1	112.8	29.0
Bosnia and Herzegovina	51.0	1.5	67.8	77.9	69.3	24.5	43.5	48.8	20.6
Botswana	2.9	3.7	0.9	0.4	3.0	2.9	6.6	9.3	4.1
Brazil	35.0	1 523.7	12 565.3	31 655.2	25 005.0	44 324.0	36 227.7	22 334.0	47 896.4
Brunei Darussalam	0.0	0.0	0.3	0.0	2.1	0.2	0.1	0.6	0.0
Bulgaria	797.1	1 881.4	3 481.6	4 881.5	5 899.8	7 834.8	6 239.7	7 400.9	5 331.0
Burkina Faso	59.2	13.6	33.0	62.6	10.1	51.6	203.4	53.2	17.3
Burundi	0.0	0.0	0.8	0.2	0.6	0.1	0.0	0.0	0.1
Cabo Verde	0.0	0.1	0.0	0.0					
Cambodia	6.4	25.1	277.7	468.1	639.4	556.8	654.2	636.6	642.4
Cameroon	0.2	0.0	4.1	9.3	37.6	24.5	24.2	48.0	3.4
Canada	22 645.1	17 857.5	22 493.5	27 592.6	29 392.0	28 334.3	32 420.8	28 731.5	24 361.7
Central African Republic	0.0	0.0	0.0	0.6					
Chad	0.0	0.0	0.0	0.0		0.0	0.0	0.1	
Chile	49.9	82.3	119.7	99.7	71.0	49.9	36.8	34.7	90.9
China	13 682.4	9 743.4	908.9	410.7	2 254.1	2 956.4	2 564.2	2 655.0	2 383.9
Colombia	0.2	1.6	1.3	3.5	2.2	1.3	3.0	3.1	3.3
Comoros	0.0	0.0	0.0						0.0

TABLE 32.
CEREALS EXPORTS (THOUSAND TONNES) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2018	2019	2020	2021	2022
Congo	0.0	4.5	0.5		0.2	0.2	1.1	0.0	0.0
Costa Rica	6.0	4.8	3.6	6.3	8.1	13.1	23.6	19.5	23.2
Côte d'Ivoire	1.5	12.1	15.8	30.7	36.0	36.5	107.5	59.2	103.3
Croatia	353.4	68.4	480.7	817.3	1 079.2	1 290.4	1 929.1	1 654.2	1 590.8
Cuba					0.0				0.0
Cyprus	0.0	0.0	0.2	0.1	0.1	0.1	0.1	2.6	0.1
Czechia	1 074.3	2 129.6	1 935.2	3 322.7	2 541.5	2 254.7	3 282.9	3 451.0	3 271.7
Democratic People's Republic of Korea	0.0	0.0	0.0	0.0	1.0	16.5	0.0	0.0	0.0
Democratic Republic of the Congo	0.1	0.1	93.8	3.1	0.2	1.2	0.3	0.0	4.0
Denmark	1 908.0	799.9	2 450.9	2 268.6	1 333.2	1 364.5	1 648.3	1 603.9	1 218.3
Djibouti	0.0	0.6	0.0	5.8	0.0		0.2	1.6	1.6
Dominica		0.0	0.0	0.0	0.0			0.0	0.0
Dominican Republic	0.0	9.5	20.1	17.8	14.0	18.3	5.5	1.6	2.5
Ecuador	93.8	64.8	26.4	2.9	33.4	36.8	45.9	27.1	47.0
Egypt	394.8	1 118.8	633.5	180.2	54.4	62.2	46.6	43.2	50.0
El Salvador	26.6	1.1	5.5	27.0	5.6	6.7	10.7	14.1	10.1
Equatorial Guinea					0.0	0.3	0.2	0.5	8.4
Eritrea	0.0	0.5	0.0				0.0		
Estonia	21.3	103.4	216.1	806.4	503.8	1 070.8	1 121.2	722.4	850.4
Eswatini	2.0	4.2	0.6	0.5	0.5	0.6	0.2	0.4	0.3
Ethiopia	1.7	16.3	57.9	18.3	2.0	0.7	11.7	17.6	11.1
Fiji	0.1	0.5	0.9	1.5	0.4	0.5	0.5	1.7	3.1
Finland	264.1	374.1	708.9	867.6	426.7	573.0	736.8	483.8	282.7
France	31 164.7	29 198.7	33 795.8	35 102.5	30 611.6	31 296.4	31 589.1	27 400.0	31 519.1
Gabon	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.6	0.0
Gambia	0.2	0.1	0.0	0.2	0.1		0.3	5.3	0.0
Georgia	7.9	61.1	47.9	18.7	19.6	9.8	1.3	6.8	5.0
Germany	13 427.3	10 045.6	11 844.3	14 547.9	7 866.6	7 912.7	12 550.4	11 545.6	10 426.1
Ghana	2.3	0.0	8.7	1.5	2.9	0.4	15.3	7.0	1.3
Greece	170.8	703.6	644.7	301.1	462.0	400.5	420.3	675.0	550.5
Grenada		0.0	0.0					0.2	0.0
Guatemala	8.4	11.0	10.0	8.8	4.6	2.1	1.8	7.4	4.2
Guinea	0.1	3.1	10.0	2.2	0.1	0.0	0.1	0.1	0.1
Guinea-Bissau	0.0	0.0	0.0			0.0		0.0	0.0
Guyana	200.5	209.3	149.2	188.6	135.7	285.3	579.4	421.9	364.8
Haiti	0.0			0.1	0.2	0.4	1.0	0.2	0.4
Honduras	1.6	8.4	4.1	5.5	7.3	6.2	6.8	8.1	8.2
Hungary	1 712.8	3 838.5	6 368.9	6 944.7	5 049.9	5 811.1	7 950.5	6 637.3	4 545.7
Iceland	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
India	2 390.6	5 375.9	4 839.5	12 792.4	12 977.7	10 451.2	17 296.8	30 911.9	32 521.7
Indonesia	29.3	109.7	70.8	235.1	277.0	4.7	64.6	5.8	165.0
Iran (Islamic Republic of)	2.7	1.8	520.6	79.6	47.9	3.4	36.4	90.5	10.3
Iraq	0.0	0.3	0.0		0.1	1.0	0.9	0.7	0.8

TABLE 32.
CEREALS EXPORTS (THOUSAND TONNES) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2018	2019	2020	2021	2022
Ireland	181.2	189.2	98.0	186.2	76.1	172.3	166.1	215.4	201.5
Israel	0.2	0.2	37.0	57.2	10.4	3.8	1.4	0.6	0.3
Italy	1 045.7	935.0	1 369.3	1 320.2	944.0	784.2	903.9	967.4	1 122.4
Jamaica	0.0	0.2	0.1	0.0	1.0	0.3	0.6	0.6	0.6
Japan	41.4	12.7	38.3	51.8	44.1	48.2	40.7	42.5	29.8
Jordan	3.2	0.7	5.2	96.5	448.9	9.2	11.1	101.9	41.1
Kazakhstan	5 679.4	2 035.8	5 301.3	4 372.7	8 120.2	7 223.2	6 370.4	6 748.4	7 402.5
Kenya	3.6	14.9	73.0	11.5	161.5	96.4	110.9	102.1	49.1
Kiribati				0.2					
Kuwait	1.3	0.1	0.2	1.3	1.2	0.6	0.5	0.4	0.0
Kyrgyzstan	1.7	0.0	5.0	0.1	0.8	1.2	5.0	6.8	52.2
Lao People's Democratic Republic	0.9	47.1	225.5	259.2	220.0	219.7	320.6	203.5	134.6
Latvia	3.5	480.4	1 285.9	2 257.4	2 079.0	2 960.3	3 478.8	2 707.3	3 012.1
Lebanon	1.9	2.9	35.4	46.6	10.0	18.2	44.5	59.6	35.1
Lesotho				0.3	0.9	0.5	0.4	0.1	0.2
Liberia	0.0	3.4	0.1	25.6	0.8	0.3	0.0	0.0	0.0
Libya	0.1	0.1	0.0	1.9	2.8	3.7	0.0		0.0
Lithuania	139.0	1 075.0	1 379.4	3 159.9	2 142.2	3 828.8	4 937.6	3 580.4	3 335.8
Luxembourg	15.4	54.2	63.6	69.8	73.3	73.2	68.1	55.7	37.4
Madagascar	3.1	0.2	1.6	4.6	0.1	0.2	0.2	0.1	0.1
Malawi	11.0	0.5	16.8	2.1	11.8	2.3	1.0	8.9	25.2
Malaysia	19.8	10.8	10.3	86.9	34.4	32.1	72.4	108.6	126.8
Maldives							0.6	0.0	0.0
Mali	12.8	14.6	1.5	2.3	1.3	0.7	35.9	61.3	14.6
Malta	0.0	0.0	0.0	0.1	0.6	0.4	0.0	0.0	0.0
Marshall Islands									
Mauritania				0.0					
Mauritius	0.1	0.4	0.9	0.0	0.3	0.1	0.0	0.1	0.4
Mexico	554.4	450.4	1 001.5	1 658.9	1 802.7	1 488.6	570.6	418.4	165.7
Micronesia (Federated States of)									
Mongolia		0.0	0.0	1.4	1.4	3.2	0.9	1.8	0.5
Montenegro			0.1	0.1	0.0	0.0	0.4	0.1	0.0
Morocco	0.0	0.1	1.5	1.9	0.3	0.6	0.6	3.5	0.6
Mozambique	0.0	1.9	16.2	7.4	21.6	15.0	12.1	12.9	23.4
Myanmar	399.3	364.4	640.6	3 543.8	1 752.4	3 111.3	3 048.7	2 873.5	3 628.0
Namibia	1.3	9.4	0.3	0.5	0.0	0.1	2.8	1.0	0.7
Nauru									
Nepal	0.0	1.0	1.7	0.4	0.8	0.9	0.1	0.1	0.0
Netherlands (Kingdom of the)	504.4	1 132.3	1 176.5	1 274.5	1 640.7	1 776.3	1 505.2	1 036.0	1 273.8
New Zealand	22.9	2.1	13.5	6.3	3.6	4.1	2.1	3.8	1.3
Nicaragua	0.3	2.9	9.6	14.1	13.0	9.8	6.2	6.2	14.1
Niger	0.1	1.1	38.0	35.1	273.0	7.5	0.1	0.0	4.9
Nigeria	25.7	11.9	0.2	21.6	30.7	71.9	10.4	5.5	12.3

TABLE 32.
CEREALS EXPORTS (THOUSAND TONNES) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2018	2019	2020	2021	2022
North Macedonia	2.8	5.9	6.7	13.6	44.9	36.8	29.4	57.2	44.3
Norway	0.4	0.5	0.5	0.3	1.6	1.6	1.3	0.8	0.9
Oman	36.3	11.7	42.5	29.4	21.5	25.0	30.1	87.0	218.9
Pakistan	2 047.0	2 919.3	4 414.2	4 122.1	5 571.7	4 973.5	4 051.3	4 492.7	5 369.4
Palau									
Panama	0.5	0.0	0.0	0.0	1.1	0.1	0.3	0.0	0.1
Papua New Guinea	1.0	0.0	0.0	0.0	2.1	2.4	0.6	0.2	
Paraguay	297.4	1 130.3	2 656.3	4 558.0	2 508.2	4 087.9	3 193.6	2 884.9	5 697.5
Peru	8.5	8.0	11.7	50.6	63.4	98.9	108.0	65.6	76.8
Philippines	2.6	0.6	0.2	0.9	0.5	0.8	2.1	1.3	2.7
Poland	13.7	1 352.5	1 920.5	6 139.0	4 167.5	4 271.2	9 050.9	8 503.0	9 104.0
Portugal	96.8	258.3	136.6	125.9	387.9	297.9	244.1	192.5	367.5
Qatar	2.2	0.5	0.0	1.1	0.1			0.1	0.1
Republic of Korea	1.6	0.2	4.0	2.1	67.6	53.1	55.4	52.7	58.2
Republic of Moldova	57.0	409.8	341.9	655.0	1 177.7	1 339.0	617.8	1 515.0	1 433.6
Romania	349.8	1 009.9	5 360.3	10 492.3	11 873.3	13 950.5	11 310.6	15 944.9	12 635.0
Russian Federation	1 030.4	12 183.7	13 788.4	30 686.1	54 796.0	39 380.2	44 851.5	34 856.3	21 808.9
Rwanda	0.0	0.2	1.9	33.7	55.4	58.0	59.7	65.2	97.7
Saint Kitts and Nevis		0.0	0.0			0.0	20.5		0.0
Saint Lucia		0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.0
Saint Vincent and the Grenadines	2.9	4.2	3.3	2.8	1.6	0.6	0.1	0.3	0.0
Samoa	0.0	0.0	0.0		0.0	0.1	0.0	15.4	
San Marino									
Sao Tome and Principe			0.0	0.0					
Saudi Arabia	7.2	16.9	29.7	13.4	12.5	0.0	4.3	3.6	5.6
Senegal	0.4	7.9	55.8	111.7	118.2	135.7	64.8	104.3	111.8
Serbia			2 110.6	2 622.7	2 497.2	3 508.3	4 219.1	3 501.5	2 164.0
Seychelles	0.0	0.0	0.0	0.0	0.0			0.1	0.0
Sierra Leone				0.0	0.0		0.0	0.0	0.0
Singapore	8.8	86.0	46.0	137.7	42.3	80.8	100.6	152.6	131.2
Slovakia	275.7	528.4	682.4	1 870.8	1 382.4	1 415.5	2 060.7	1 937.4	2 452.4
Slovenia	74.6	32.0	214.9	292.1	689.5	903.0	988.8	1 120.6	1 076.7
Solomon Islands	0.0	0.0	0.0					0.0	0.0
Somalia				0.0	0.1	0.1	0.0	2.9	0.0
South Africa	753.2	2 180.6	1 291.4	1 127.7	2 387.5	1 440.7	2 904.1	3 726.2	4 562.4
South Sudan				0.0	0.0	0.7	0.1	0.9	8.7
Spain	1 017.3	681.2	1 137.9	993.1	1 129.0	1 177.1	1 155.6	1 036.5	924.4
Sri Lanka	2.0	14.1	15.5	17.1	6.2	6.9	12.3	15.5	21.8
Sudan				6.3	41.8	131.4	1.7	9.0	34.0
Suriname	37.3	29.9	76.7	27.4	46.8	63.6	56.4	59.0	37.7
Sweden	1 453.8	965.3	991.4	1 983.3	954.7	1 083.2	1 778.5	1 242.0	1 085.6
Switzerland	0.4	0.8	1.6	4.2	4.3	7.2	5.3	3.3	2.9
Syrian Arab Republic	1.7	458.8	31.0	28.8	0.0	52.7	524.6	42.5	29.7
Tajikistan		3.7	1.6	9.7	0.3	0.4	0.1	0.7	0.4

TABLE 32.
CEREALS EXPORTS (THOUSAND TONNES) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2018	2019	2020	2021	2022
Thailand	6 153.2	7 581.0	9 404.6	9 899.4	11 315.7	7 871.1	5 698.5	6 193.6	7 760.2
Timor-Leste					0.1				
Togo	2.5	0.1	5.6	1.8	2.6	0.8	2.4	1.7	1.2
Tonga			0.0		0.0		0.0	0.0	0.0
Trinidad and Tobago	1.9	22.5	7.0	2.1	1.6	0.6	1.3	5.4	0.5
Tunisia	39.3	12.0	0.0	11.1	5.3	0.4	0.1	1.6	0.3
Türkiye	1 980.3	745.8	1 737.0	172.0	195.2	1 076.6	793.5	989.2	1 465.7
Turkmenistan				12.8	30.0	37.6	39.0	35.1	35.0
Tuvalu							0.0		
Uganda	6.9	73.8	186.5	448.2	666.5	300.9	335.9	144.5	71.0
Ukraine	1 283.8	12 488.7	11 974.7	37 426.3	41 678.3	56 710.4	51 316.0	49 640.0	38 747.3
United Arab Emirates	227.2	261.1	1 401.6	563.3	408.9	327.2	230.5	243.7	319.6
United Kingdom of Great Britain and Northern Ireland	5 300.7	3 417.4	4 498.4	3 861.6	1 457.5	3 010.7	2 365.6	1 263.8	2 144.8
United Republic of Tanzania	75.4	115.7	99.4	150.4	271.5	261.0	455.9	1 162.1	915.6
United States of America	86 237.3	81 835.6	86 434.6	79 463.8	99 581.4	74 841.3	87 701.5	103 976.8	88 012.8
Uruguay	726.9	808.7	2 384.8	1 383.8	862.8	1 230.0	1 389.4	1 493.3	1 983.8
Uzbekistan	2.8	57.3	134.1	200.0	107.1	113.7	57.6	27.2	17.1
Vanuatu	0.0	0.0	0.0		0.0		0.2		
Venezuela (Bolivarian Republic of)	65.0	12.8	4.4	0.0				0.0	0.0
Viet Nam	3 486.1	5 252.5	6 920.9	6 640.5	5 392.2	5 631.1	6 052.8	5 895.7	5 564.2
Yemen	3.7	56.9	15.2	19.9	23.6	2.0	13.1	12.8	0.1
Zambia	14.6	47.3	64.0	728.9	63.3	43.7	65.0	117.3	268.7
Zimbabwe	142.5	1.3	0.2	2.5	5.9	9.0	6.7	2.5	5.4

Source: FAO. 2023. FAOSTAT: Trade: Crops and livestock products. [Accessed on 15 November 2024].

<https://www.fao.org/faostat/en/#data/TCL>. Licence: CC-BY-4.0.

TABLE 33.
CEREALS IMPORTS AND EXPORTS BY MAIN COMMODITIES, 2022 (THOUSAND TONNES)

COUNTRY	IMPORTS				EXPORTS			
	WHEAT	MAIZE	RICE	OTHER	WHEAT	MAIZE	RICE	OTHER
World	184 798.2	201 777.2	55 882.6	52 464.0	186 679.9	209 464.0	55 611.8	51 019.1
Africa	44 057.1	16 996.6	18 514.2	3 162.5	508.6	4 903.3	795.6	209.8
Americas	22 174.4	45 989.7	5 995.4	3 961.8	56 597.4	144 222.9	6 215.1	15 973.1
Asia	82 078.6	92 817.8	25 038.4	30 620.7	13 824.3	7 262.4	45 693.2	1 466.5
Europe	35 447.1	45 915.4	5 522.4	14 605.9	86 968.4	52 986.8	2 696.9	22 526.9
Oceania	1 041.1	57.6	812.1	113.0	28 781.2	88.5	211.0	10 842.8
Afghanistan	733.0	8.1	518.9	23.1		0.0	0.0	4.8
Albania	88.5	46.3	20.0	3.6			0.0	0.0
Algeria	7 017.2	3 807.3	177.4	413.7	0.3		0.0	0.9
Andorra								
Angola	518.7	92.2	546.5	1.0	0.0	0.0	0.7	0.0
Antigua and Barbuda	0.0	0.1	1.5	0.0			0.0	
Argentina	0.1	8.2	1.6	2.6	12 938.2	35 409.3	414.8	5 407.7
Armenia	364.6	98.1	11.6	56.4	3.6	0.0	0.0	0.0
Australia	0.7	1.2	249.0	3.8	28 781.1	87.7	207.8	10 842.4
Austria	1 239.2	1 151.2	38.6	232.9	647.6	493.0	3.4	139.5
Azerbaijan	1 293.0	75.9	50.2	16.8	0.0		0.0	17.6
Bahamas	0.0	2.4	5.0	0.0			0.0	
Bahrain	133.7	20.4	67.7	6.5	0.0	0.2	3.6	0.0
Bangladesh	4 169.8	2 265.5	871.9	16.9	0.0	20.0	12.9	0.0
Barbados	17.3	28.0	4.4	0.1	0.0	0.0	0.0	0.0
Belarus	181.2	158.0	26.9	159.8	70.9		0.0	2.6
Belgium	3 730.2	1 884.0	850.6	2 208.1	378.1	129.2	629.5	102.7
Belize	20.4	0.5	0.2	0.1		1.9	0.1	5.2
Benin	94.4	6.1	1 576.5	0.6		1.8	0.4	0.1
Bhutan	2.5	20.3	89.7	0.0		0.0	0.0	0.0
Bolivia (Plurinational State of)	11.9	10.5	8.1	2.9		4.7	0.0	24.3
Bosnia and Herzegovina	280.6	188.6	7.7	18.9	11.7	8.4	0.0	0.5
Botswana	119.6	247.6	45.5	13.5	0.1	1.8	0.6	1.5
Brazil	5 716.6	2 637.3	831.1	711.2	3 072.8	43 389.3	1 409.1	25.1
Brunei Darussalam	0.0	51.0	28.5	0.1		0.0	0.0	0.0
Bulgaria	55.9	95.9	123.5	14.1	4 051.3	963.5	129.0	187.2
Burkina Faso	213.1	1.6	663.1	1.9	1.7	15.4	0.0	0.1
Burundi	78.8	13.6	17.9	4.5		0.0	0.0	0.1
Cabo Verde	23.6	28.7	37.4	0.1			0.0	
Cambodia	6.6	134.7	6.8	1.6		1.1	641.2	0.1
Cameroon	866.0	20.5	826.8	10.5		0.0	3.2	0.2
Canada	97.0	4 875.7	526.2	244.2	18 548.4	2 080.9	20.6	3 711.8
Central African Republic	0.0	0.0	21.1	0.2			0.0	
Chad	30.0	10.0	11.4	25.0			0.0	
Chile	1 217.2	2 512.5	198.0	60.0	0.1	21.3	0.3	69.1
China	11 152.6	24 516.9	6 596.6	16 402.8	5.8	1.2	2 349.3	27.5
Colombia	2 091.5	6 529.1	174.9	342.1	0.0	0.9	2.4	0.0

TABLE 33.
CEREALS IMPORTS AND EXPORTS BY MAIN COMMODITIES, 2022 (THOUSAND TONNES) (CONTINUED)

COUNTRY	IMPORTS				EXPORTS			
	WHEAT	MAIZE	RICE	OTHER	WHEAT	MAIZE	RICE	OTHER
Comoros	0.0	1.8	46.4	0.0			0.0	
Congo	258.1	17.7	166.5	0.2		0.0	0.0	
Costa Rica	245.0	832.5	149.8	1.3		2.1	21.1	0.0
Côte d'Ivoire	712.0	56.7	1 559.7	22.5	0.0	71.7	31.0	0.6
Croatia	87.2	116.1	12.7	33.1	589.7	878.3	0.1	122.7
Cuba	264.5	381.7	688.7	0.3			0.0	
Cyprus	34.7	319.1	8.6	129.6	0.0	0.0	0.1	0.0
Czechia	62.6	171.6	128.5	70.6	2 270.8	442.9	26.0	532.0
Democratic People's Republic of Korea		10.0	74.9				0.0	
Democratic Republic of the Congo	429.8	35.1	210.3	0.2	0.0	1.3	0.1	2.6
Denmark	182.1	237.6	41.3	294.4	513.3	6.9	5.5	692.6
Djibouti	226.0	5.1	465.3	42.7			0.0	1.6
Dominica		0.1	1.8	0.0			0.0	0.0
Dominican Republic	602.1	1 333.1	22.1	13.1	0.5	0.6	0.7	0.7
Ecuador	1 384.2	196.4	0.9	48.9		0.0	45.5	1.5
Egypt	8 010.4	6 380.0	212.3	5.6	0.0	2.7	45.7	1.6
El Salvador	306.8	791.2	83.5	1.6	2.6	0.3	7.2	0.0
Equatorial Guinea	0.0	109.8	26.5	0.3		0.0	8.3	0.0
Eritrea	40.0	0.1	1.3	93.0			0.0	
Estonia	3.6	38.0	4.3	24.6	575.1	0.1	0.3	274.9
Eswatini	51.3	161.0	37.4	3.5	0.0	0.2	0.1	0.0
Ethiopia	1 394.6	6.7	884.5	34.1	0.0		0.0	11.1
Fiji	131.2	0.1	37.5	0.0		0.0	3.1	0.0
Finland	84.4	80.9	36.8	126.3	50.8	0.0	0.5	231.4
France	201.7	648.2	641.5	75.1	20 151.5	5 156.4	52.3	6 158.8
Gabon	122.5	0.6	43.9	0.3	0.0		0.0	0.0
Gambia	112.2	0.2	207.7	0.0			0.0	
Georgia	184.0	33.2	11.2	21.4	0.0	1.7	0.4	2.8
Germany	4 112.5	3 181.3	411.9	2 795.3	6 221.6	576.8	43.8	3 583.9
Ghana	596.9	65.3	487.6	3.3	0.0	0.2	1.0	0.1
Greece	1 019.2	594.3	28.9	151.3	423.1	16.9	109.5	0.9
Grenada	1.9	7.4	1.8	0.0			0.0	0.0
Guatemala	724.9	1 626.1	113.7	3.4	0.0	3.7	0.4	0.1
Guinea	336.6	7.1	843.0	0.0		0.0	0.0	0.1
Guinea-Bissau		0.0	51.9	0.0			0.0	0.0
Guyana	36.3	40.2	0.1	0.1		0.0	364.8	0.0
Haiti	251.3	0.9	412.5	5.0	0.0	0.0	0.2	0.1
Honduras	317.0	1 042.7	141.9	0.6		3.7	4.4	0.1
Hungary	453.8	1 625.2	48.1	48.1	1 963.3	1 994.7	5.1	582.6
Iceland	42.3	17.9	2.0	12.8	0.0	0.0	0.0	0.0
India	0.0	17.4	11.8	217.9	6 798.6	3 486.5	22 073.7	162.8
Indonesia	9 459.3	1 094.2	429.2	82.3	0.0	162.0	2.9	0.0
Iran (Islamic Republic of)	1 896.2	7 566.3	1 258.3	2 070.9	0.0	1.2	3.5	5.6

TABLE 33.
CEREALS IMPORTS AND EXPORTS BY MAIN COMMODITIES, 2022 (THOUSAND TONNES) (CONTINUED)

COUNTRY	IMPORTS				EXPORTS			
	WHEAT	MAIZE	RICE	OTHER	WHEAT	MAIZE	RICE	OTHER
Iraq	710.4	623.2	2 131.0	197.7	0.4		0.3	0.0
Ireland	261.1	1 585.6	34.4	189.6	26.7	105.8	1.1	68.0
Israel	1 786.7	1 561.2	202.1	386.3	0.1	0.0	0.1	0.1
Italy	6 917.0	6 910.1	395.3	901.6	338.6	47.8	721.3	14.7
Jamaica	188.6	337.4	79.6	1.7		0.5	0.0	0.0
Japan	5 346.0	15 271.3	669.3	1 602.9		0.0	29.7	0.1
Jordan	771.6	632.9	200.8	829.0		39.5	1.5	
Kazakhstan	1 646.1	12.7	10.9	129.0	6 345.7	78.2	107.8	870.8
Kenya	1 676.5	790.3	676.2	110.9	1.5	4.8	0.2	42.6
Kiribati		0.0	13.6	0.0			0.0	
Kuwait	429.8	287.5	197.6	559.7		0.0	0.0	0.0
Kyrgyzstan	222.0	1.6	7.6	7.4		50.8	1.1	0.3
Lao People's Democratic Republic	0.0	3.7	61.2	3.3	2.8	69.8	57.0	5.1
Latvia	657.2	174.1	8.8	105.3	2 707.5	86.1	2.0	216.6
Lebanon	552.4	421.1	69.6	49.5	12.9	0.0	22.1	0.1
Lesotho	67.7	63.2	9.5	0.2	0.0	0.1	0.1	0.0
Liberia	19.8	1.9	354.6	0.0	0.0		0.0	
Libya	245.5	667.2	64.9	220.4		0.0	0.0	
Lithuania	167.9	266.1	24.2	82.7	2 959.2	176.8	11.9	188.0
Luxembourg	136.9	11.9	4.0	6.0	15.4	7.8	0.1	14.1
Madagascar	136.6	4.1	743.6	18.9	0.0	0.0	0.1	0.0
Malawi	35.6	0.0	0.7	0.0	0.1	23.2	0.3	1.5
Malaysia	1 385.3	3 484.9	1 238.9	35.0	0.8	11.7	113.9	0.3
Maldives	0.0	0.3	29.7	1.5			0.0	
Mali	271.9	13.8	115.4	1.8		3.9	0.0	10.7
Malta	36.5	47.0	4.0	12.9			0.0	
Marshall Islands								
Mauritania	750.1	33.4	40.3	2.7			0.0	
Mauritius	145.7	118.8	62.6	0.4			0.4	0.0
Mexico	3 938.9	16 255.8	603.7	235.9	84.7	77.4	3.7	0.0
Micronesia (Federated States of)								
Mongolia	1.6	0.2	53.9	6.5			0.0	0.5
Montenegro	10.7	20.6	2.0	1.8		0.0	0.0	0.0
Morocco	6 007.6	2 097.0	56.4	828.0	0.1	0.0	0.5	0.0
Mozambique	610.2	156.1	1 293.0	0.7	2.0	18.9	2.4	0.1
Myanmar	226.7	14.2	0.3	0.9		1 550.0	2 070.9	7.1
Namibia	97.5	96.8	21.0	1.6	0.0	0.7	0.0	0.0
Nauru		0.0	0.3	0.0			0.0	
Nepal	91.0	419.9	721.7	20.8		0.0	0.0	0.0
Netherlands (Kingdom of the)	4 069.3	5 268.7	525.4	3 198.7	276.6	411.5	375.0	210.6
New Zealand	621.3	53.2	53.8	76.3	0.1	0.8	0.1	0.4
Nicaragua	178.2	518.6	81.7	0.1	0.0	8.0	4.9	1.2
Niger	0.0	24.2	1 028.5	4.8			0.0	4.9

TABLE 33.
CEREALS IMPORTS AND EXPORTS BY MAIN COMMODITIES, 2022 (THOUSAND TONNES) (CONTINUED)

COUNTRY	IMPORTS				EXPORTS			
	WHEAT	MAIZE	RICE	OTHER	WHEAT	MAIZE	RICE	OTHER
Nigeria	4 915.8	206.6	9.5	0.6	4.5	3.6	0.3	3.9
North Macedonia	91.4	40.1	0.2	3.2	2.6	15.9	11.2	14.7
Norway	293.4	109.6	29.8	53.0	0.0	0.0	0.2	0.7
Oman	474.5	289.5	267.2	66.2	0.2	218.4	0.3	0.0
Pakistan	2 336.6	34.6	7.9	16.1		797.2	4 568.6	3.6
Palau								
Panama	142.3	592.2	44.4	1.4			0.1	
Papua New Guinea	242.6	0.5	376.1	29.2			0.0	
Paraguay	0.0	23.7	1.3	0.6	317.5	4 598.4	752.3	29.3
Peru	2 047.2	3 583.0	116.1	145.0	0.1	9.7	20.0	47.1
Philippines	6 250.8	769.5	3 176.1	301.8		2.3	0.4	0.0
Poland	951.7	2 030.2	173.5	292.6	3 638.0	3 881.0	52.7	1 532.3
Portugal	1 089.8	2 281.9	197.8	485.6	14.6	225.4	104.6	22.9
Qatar	83.6	73.5	175.9	223.2	0.0	0.0	0.0	
Republic of Korea	4 405.8	11 809.9	440.4	122.7	0.0	3.3	54.5	0.4
Republic of Moldova	25.2	81.6	10.2	16.9	198.4	1 192.1	0.1	43.0
Romania	1 049.4	1 340.2	118.1	269.9	5 684.7	5 539.7	35.6	1 375.1
Russian Federation	71.5	36.5	234.7	3.4	17 829.4	2 115.0	69.0	1 795.5
Rwanda	186.3	143.7	251.8	42.1		3.0	94.6	0.0
Saint Kitts and Nevis		0.3	1.2	0.0		0.0	0.0	
Saint Lucia	5.5	2.9	3.5	0.1		0.0	0.0	
Saint Vincent and the Grenadines	21.1	9.0	4.4	0.0			0.0	0.0
Samoa	0.0	0.0	9.5	0.0			0.0	
San Marino								
Sao Tome and Principe		0.0	10.1	0.0			0.0	
Saudi Arabia	1 879.0	4 597.2	1 303.7	3 814.7	0.1	0.1	5.4	0.0
Senegal	860.1	400.1	1 487.3	0.0	19.2	0.5	91.8	0.3
Serbia	1.2	10.7	14.0	17.9	788.7	1 250.1	0.7	124.5
Seychelles	0.9	5.3	7.1	0.0			0.0	
Sierra Leone	0.5	0.0	469.4	0.0			0.0	
Singapore	171.4	9.5	368.8	1.5	0.0	0.1	130.9	0.2
Slovakia	88.4	649.2	31.6	88.0	1 203.6	1 118.0	2.8	128.0
Slovenia	475.5	712.1	21.6	37.6	369.9	665.0	11.4	30.4
Solomon Islands	14.4	0.0	31.7	0.0	0.0		0.0	
Somalia	133.9	4.6	616.5	42.1		0.0	0.0	0.0
South Africa	1 826.1	4.4	1 038.0	57.1	474.8	3 918.8	145.1	23.8
South Sudan		6.1	2.8	62.0		0.0	0.0	8.7
Spain	4 926.8	11 277.7	391.7	2 166.0	336.9	159.6	254.6	173.2
Sri Lanka	583.2	178.7	783.4	14.8	15.5	0.0	6.1	0.2
Sudan	1 440.3	0.5	119.2	122.7		2.4	0.0	31.6
Suriname	22.3	7.5	0.4	0.2	0.0		37.7	0.0
Sweden	67.0	73.0	73.1	103.3	570.7	0.8	1.2	512.8
Switzerland	584.1	251.2	72.4	143.8	0.1	0.2	1.8	0.7

TABLE 33.
CEREALS IMPORTS AND EXPORTS BY MAIN COMMODITIES, 2022 (THOUSAND TONNES) (CONTINUED)

COUNTRY	IMPORTS				EXPORTS			
	WHEAT	MAIZE	RICE	OTHER	WHEAT	MAIZE	RICE	OTHER
Syrian Arab Republic	81.7	63.0	100.9	121.2	28.0	0.8	0.0	0.8
Tajikistan	995.5	36.3	31.9	55.6	0.3		0.0	0.0
Thailand	1 615.9	1 487.8	13.6	106.1	0.0	68.6	7 684.7	6.9
Timor-Leste	0.0	0.3	160.4	0.0			0.0	
Togo	156.0	1.5	314.0	0.2			1.0	0.1
Tonga			0.4	0.0		0.0	0.0	
Trinidad and Tobago	115.6	89.8	28.2	0.6		0.1	0.4	0.0
Tunisia	1 891.3	827.4	29.9	724.0	0.2		0.0	0.1
Türkiye	8 907.4	3 401.9	477.5	1 631.9	395.3	548.7	227.1	294.6
Turkmenistan	336.5	0.8	8.8	0.2	35.0		0.0	0.0
Tuvalu		0.0	0.9	0.0			0.0	
Uganda	319.8	73.1	255.6	63.3	0.0	51.2	2.2	17.6
Ukraine	2.4	23.2	85.7	11.4	11 223.2	25 176.7	1.3	2 346.2
United Arab Emirates	1 665.0	546.0	681.9	589.6	134.6	60.4	81.5	43.1
United Kingdom of Great Britain and Northern Ireland	1 634.3	2 479.0	646.5	145.7	864.6	144.5	33.2	1 102.5
United Republic of Tanzania	798.7	62.1	0.2	171.1	4.0	511.1	358.7	41.8
United States of America	1 677.1	605.4	1 292.0	2 113.9	20 917.6	58 595.3	2 124.7	6 375.1
Uruguay	5.0	160.0	0.3	24.1	715.0	14.5	979.8	274.6
Uzbekistan	2 792.1	94.5	7.2	117.2	8.0		0.0	9.1
Vanuatu	0.0	0.0	20.8	0.0			0.0	
Venezuela (Bolivarian Republic of)	526.9	947.2	370.9	0.7			0.0	0.0
Viet Nam	3 986.3	9 267.6	685.2	495.3	36.4	88.3	5 437.9	1.6
Yemen	2 851.7	704.8	649.2	35.8	0.1		0.0	0.0
Zambia	38.1	0.4	33.2	0.5	0.0	261.4	6.6	0.7
Zimbabwe	172.8	119.0	235.0	9.7	0.0	4.6	0.0	0.8

Source: FAO. 2023. FAOSTAT: Trade: Crops and livestock products. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/TCL>.
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TABLE 34.
FOREST PRODUCTS EXPORTS, 2022 (USD MILLION)

COUNTRY	PAPER AND PAPERBOARD	SAWNWOOD	WOOD-BASED PANELS	ROUNDWOOD	RECOVERED PAPER	WOOD PELLETS	OTHER	TOTAL
World	119 069.2	51 481.6	45 401.5	42 838.1	15 430.6	9 565.5	25 324.9	309 111.4
Africa	884.5	1 537.4	260.3	158.2	1 126.3	83.6	1 826.3	5 876.7
Americas	19 815.5	17 409.4	8 319.6	25 032.3	3 435.3	3 573.7	6 076.9	83 662.6
Asia	27 211.0	2 611.9	15 412.5	4 208.2	532.7	1 186.5	7 938.0	59 100.8
Europe	70 314.3	29 197.0	21 067.8	12 834.7	7 012.9	4 475.2	8 437.2	153 339.0
Oceania	843.8	726.0	341.3	604.7	3 323.3	246.5	1 046.5	7 132.2
Afghanistan	1.5	0.0	0.0	0.0	0.0	0.0	0.0	1.5
Albania	0.1	0.0	0.5	0.0	1.5	0.8	4.5	7.4
Algeria	29.2	0.0	0.5	0.0	0.0	21.7	0.0	51.5
Andorra	8.2	0.0	0.0		0.2	1.1	0.1	9.6
Angola	0.1	9.2	0.0	0.6	10.4	0.2	0.0	20.5
Antigua and Barbuda	0.0	0.1	0.0		0.0	0.0	0.0	0.2
Argentina	111.2	85.4	62.0	127.7	60.7	0.1	12.6	459.8
Armenia	1.6	0.4	0.1	0.0	0.0	0.1	0.2	2.4
Australia	613.6	46.7	22.6	0.5	80.1	214.7	929.6	1 907.8
Austria	4 090.2	2 131.1	1 548.8	238.5	152.5	61.6	496.1	8 718.8
Azerbaijan	0.8	0.6	1.9	0.0	0.0	0.0	0.7	4.1
Bahamas	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.4
Bahrain	4.6	0.1	0.7	0.3	0.0	8.4	1.1	15.1
Bangladesh	17.8	0.1	1.5	0.0	0.1	0.0	4.2	23.6
Barbados	0.5	0.0	0.1	0.0	0.0	0.0	0.0	0.7
Belarus	73.7	517.1	694.9	108.9	12.4	9.8	90.9	1 507.7
Belgium	3 409.0	661.9	1 400.0	155.3	299.5	266.1	301.4	6 493.2
Belize	0.3	1.9	0.3	0.2	0.1	0.0	0.3	3.1
Benin	1.1	29.1	0.0	0.0	10.8	0.0	0.0	41.0
Bhutan	0.6	0.0	2.1	0.0	0.0	0.0	0.4	3.1
Bolivia (Plurinational State of)	11.7	36.4	8.1	0.0	0.8	0.0	4.8	61.8
Bosnia and Herzegovina	153.2	288.7	24.9	0.0	77.1	10.1	59.7	613.7
Botswana	0.4	0.0	0.0	0.0	0.0	1.3	0.0	1.7
Brazil	2 278.7	1 443.3	1 481.8	7 912.4	294.2	7.1	781.5	14 199.0
Brunei Darussalam	0.5	0.0	0.1	0.0	0.0	0.6	0.0	1.4
Bulgaria	235.3	30.3	195.1	80.8	7.5	24.0	71.9	645.0
Burkina Faso	0.2	0.1	0.1	0.1	0.0	0.0	0.9	1.2
Burundi	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1
Cabo Verde	0.0	0.0	0.0		0.0	0.0	0.0	0.1
Cambodia	1.2	5.7	278.6	0.0	9.8	0.0	1.9	297.1
Cameroon	0.1	545.9	0.4		123.0	0.1	62.7	732.2
Canada	5 883.9	10 831.9	4 492.8	6 151.1	540.1	273.2	1 446.6	29 619.5
Central African Republic	0.1	8.7	0.2	0.0	4.0	0.0	0.0	13.0
Chad	0.1	0.0	0.0	0.0	0.0		0.0	0.1
Chile	515.1	1 029.2	789.3	2 593.5	19.9	7.3	210.4	5 164.7
China	10 139.1	175.4	7 196.0	500.7	26.2	151.9	783.1	18 972.4
Colombia	84.4	8.8	2.5	0.4	16.6	0.0	4.2	116.9

TABLE 34.
FOREST PRODUCTS EXPORTS, 2022 (USD MILLION) (CONTINUED)

COUNTRY	PAPER AND PAPERBOARD	SAWNWOOD	WOOD-BASED PANELS	ROUNDWOOD	RECOVERED PAPER	WOOD PELLETS	OTHER	TOTAL
Comoros	0.0	0.0	0.0	0.0	0.0		0.0	0.0
Congo	0.0	142.6	0.0	0.0	220.1	0.0	11.5	374.3
Costa Rica	27.8	7.8	0.0	0.0	24.8	7.8	0.4	68.7
Côte d'Ivoire	0.1	40.4	11.8	0.0	2.4	0.4	52.5	107.5
Croatia	146.9	500.9	93.8	19.7	121.2	37.5	196.2	1 116.1
Cuba	1.3	0.0	0.0		0.0	0.0	41.8	43.2
Cyprus	0.1	0.0	0.0	0.0	0.0	7.8	0.0	7.9
Czechia	1 376.0	694.5	629.2	104.4	1 022.0	143.4	455.9	4 425.5
Democratic People's Republic of Korea	0.3	0.0	0.0	0.3	0.0	0.0	0.7	1.3
Democratic Republic of the Congo	0.0	27.5	0.0	0.0	104.8	0.0	1.4	133.8
Denmark	222.4	56.3	53.2	7.2	66.9	55.8	109.6	571.4
Djibouti	0.3	0.0	0.0	0.0	0.0	0.0	1.6	1.9
Dominica	0.3	0.0	0.1	0.0	0.0	0.1	0.0	0.5
Dominican Republic	39.8	0.0	0.7	0.0	0.0	24.7	0.9	66.2
Ecuador	32.0	58.6	336.1	0.6	92.4	0.9	0.6	521.1
Egypt	262.3	0.7	2.1	0.9	0.4	0.0	11.0	277.3
El Salvador	29.1	0.1	0.1	0.0	0.8	10.2	0.7	41.0
Equatorial Guinea	0.2	12.2	0.0		105.9		14.9	133.3
Eritrea	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.2
Estonia	89.5	424.8	277.3	155.5	200.7	14.1	432.3	1 594.2
Eswatini	12.4	84.1	5.4	0.6	39.7	0.6	1.1	143.8
Ethiopia	0.7	0.0	0.0	0.0	0.1	0.0	0.3	1.1
Fiji	0.8	16.5	0.1	0.0	0.9	0.0	21.9	40.1
Finland	7 509.9	2 730.0	755.1	3 008.5	158.3	22.5	84.7	14 268.9
France	4 625.8	942.4	1 102.1	293.3	697.8	485.0	445.8	8 592.1
Gabon	0.4	424.5	35.5	0.0	0.5	0.0	241.3	702.3
Gambia	0.1	12.5	0.0		15.4	0.0	0.5	28.6
Georgia	9.5	14.7	11.0	0.0	0.2	2.8	0.7	38.9
Germany	15 268.6	4 190.6	3 260.3	1 083.0	1 116.8	342.2	764.4	26 026.0
Ghana	3.5	63.3	9.7	0.0	78.6	0.4	15.9	171.4
Greece	98.8	6.0	54.7	0.7	1.8	84.9	6.0	252.9
Grenada	0.1	0.0	0.0		0.0		0.0	0.1
Guatemala	35.9	17.0	25.9	0.0	12.2	28.1	7.4	126.5
Guinea	0.2	0.4	0.4		0.2	0.0	0.4	1.6
Guinea-Bissau	0.2	0.1	0.1	0.1	0.0	0.0	0.1	0.6
Guyana	0.3	35.0	0.8	0.5	25.9	0.0	0.2	62.7
Haiti	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1
Honduras	2.2	26.8	8.6	0.0	2.4	7.3	0.9	48.2
Hungary	472.1	89.2	238.5	48.2	68.5	29.4	27.9	973.9
Iceland	0.0	0.0	0.0	0.0	0.0	2.2	0.0	2.2
India	1 807.5	8.7	126.4	1.5	6.7	0.1	94.3	2 045.1
Indonesia	4 222.6	243.8	2 488.1	2 745.9	2.6	3.1	1 572.1	11 278.0
Iran (Islamic Republic of)	17.7	0.4	89.4	0.6	0.0	0.0	0.6	108.6

TABLE 34.
FOREST PRODUCTS EXPORTS, 2022 (USD MILLION) (CONTINUED)

COUNTRY	PAPER AND PAPERBOARD	SAWNWOOD	WOOD-BASED PANELS	ROUNDWOOD	RECOVERED PAPER	WOOD PELLETS	OTHER	TOTAL
Iraq	0.2	0.0	0.0	0.0	0.0	61.4	0.1	61.8
Ireland	39.9	224.9	405.6	0.1	32.2	91.1	34.6	828.4
Israel	91.7	0.0	0.9	0.0	0.0	10.2	0.0	102.9
Italy	4 386.7	330.9	1 011.8	257.5	56.9	298.2	225.4	6 567.4
Jamaica	0.4	0.5	0.1	0.0	0.1	0.7	0.0	1.8
Japan	2 073.0	69.9	94.2	190.9	156.4	404.6	109.4	3 098.4
Jordan	46.2	0.3	2.3	5.4	0.2	1.6	0.5	56.3
Kazakhstan	28.2	1.3	32.4	4.3	0.0	2.6	0.8	69.6
Kenya	23.0	1.0	4.1	0.2	3.5	0.7	0.0	32.6
Kiribati		0.0	0.0		0.0		0.0	0.0
Kuwait	39.3	0.0	0.0	0.6	0.0	32.0	0.0	71.9
Kyrgyzstan	0.3	0.3	2.1	0.0	2.0	0.2	3.4	8.3
Lao People's Democratic Republic	437.8	68.1	3.2	8.6	83.4	2.3	369.1	972.4
Latvia	43.1	1 286.4	704.3	10.9	533.8	20.4	604.5	3 203.3
Lebanon	11.6	1.1	4.2	0.5	0.0	0.4	0.3	18.1
Lesotho	0.0	0.0	0.1	0.0	0.0	0.3	0.0	0.4
Liberia	0.4	0.5	0.0		6.5	0.0	0.0	7.4
Libya	0.1	0.0	0.0	0.0	0.0	9.1	0.0	9.2
Lithuania	120.8	489.1	79.5	7.3	193.2	19.6	236.0	1 145.5
Luxembourg	22.9	18.0	231.9	0.0	38.7	11.3	12.1	334.9
Madagascar	0.1	6.0	0.3	0.0	0.3	0.8	0.3	7.7
Malawi	0.3	0.7	7.9	0.0	0.0	0.0	0.0	8.9
Malaysia	729.1	610.7	1 191.2	19.7	184.6	0.4	267.9	3 003.5
Maldives	0.0	0.0	0.0		0.0	0.0	0.0	0.0
Mali	1.3	0.1	0.0	0.0	29.3	0.0	0.1	30.8
Malta	3.2	0.0	0.0	0.0	0.0	1.9	0.0	5.1
Marshall Islands	0.0	0.0	0.1		0.3		0.0	0.4
Mauritania	0.3	0.0	0.0		0.0	0.0	0.0	0.4
Mauritius	0.8	0.0	0.2	0.0	1.1	2.0	0.0	4.1
Mexico	337.8	14.5	72.3	1.4	76.5	3.8	35.5	541.8
Micronesia (Federated States of)		0.0	0.0		0.0		0.0	0.0
Mongolia	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.3
Montenegro	0.1	23.4	0.3	0.0	0.1	0.9	10.8	35.6
Morocco	15.1	0.2	23.2	0.7	0.3	7.6	0.5	47.5
Mozambique	3.7	30.2	0.0	0.1	138.9	0.9	0.8	174.6
Myanmar	4.0	121.9	9.6	3.5	6.2	1.9	97.4	244.6
Namibia	0.4	0.9	0.1	0.0	8.4	1.9	65.0	76.6
Nauru	0.0	0.0	0.1		0.0		0.0	0.1
Nepal	9.2	0.0	2.3	0.7	0.0	0.0	0.0	12.3
Netherlands (Kingdom of the)	2 974.1	304.8	294.8	1 089.4	27.4	500.1	170.0	5 360.5
New Zealand	228.0	622.1	308.7	604.1	2 251.1	31.5	80.8	4 126.3
Nicaragua	0.6	5.4	0.5	0.0	2.9	5.2	0.6	15.1
Niger	0.1	0.0	0.1	0.0	0.2	0.0	0.0	0.4

TABLE 34.
FOREST PRODUCTS EXPORTS, 2022 (USD MILLION) (CONTINUED)

COUNTRY	PAPER AND PAPERBOARD	SAWNWOOD	WOOD-BASED PANELS	ROUNDWOOD	RECOVERED PAPER	WOOD PELLETS	OTHER	TOTAL
Nigeria	0.2	1.5	0.1	0.0	14.7	0.0	41.6	58.1
North Macedonia	14.3	3.6	0.6	0.1	0.1	5.3	0.8	24.8
Norway	786.4	253.4	159.2	134.6	316.2	69.9	284.1	2 003.8
Oman	19.5	0.1	3.8	3.3	0.1	1.6	0.2	28.6
Pakistan	81.8	0.0	26.2	0.0	0.2	0.4	0.4	109.0
Palau	0.0	0.0	0.0		0.0	0.0	0.0	0.0
Panama	16.4	1.5	0.9	0.2	46.0	3.1	0.3	68.4
Papua New Guinea	0.0	31.4	9.6	0.1	637.1	0.0	2.0	680.2
Paraguay	62.7	8.7	20.9	0.1	5.5	0.6	62.2	160.7
Peru	57.0	53.4	3.7	1.0	4.4	0.6	1.5	121.7
Philippines	66.0	53.3	62.6	137.7	0.4	20.5	85.2	425.7
Poland	3 005.2	547.3	1 772.2	156.6	430.3	307.7	342.4	6 561.8
Portugal	2 371.0	80.9	327.8	799.5	43.9	73.4	321.7	4 018.2
Qatar	3.2	0.0	0.0	0.0	0.0	1.7	0.1	5.1
Republic of Korea	2 223.5	6.2	21.2	24.0	0.4	84.6	2.8	2 362.7
Republic of Moldova	1.4	0.1	1.7	0.0	0.1	2.1	0.1	5.5
Romania	351.3	666.3	927.3	2.4	33.1	41.2	243.2	2 264.8
Russian Federation	2 535.1	5 300.6	2 241.7	1 689.5	346.7	25.2	609.6	12 748.3
Rwanda	3.8	1.9	0.0	0.0	0.0	0.3	0.0	6.0
Saint Kitts and Nevis	0.0	0.0	0.0		0.0		0.0	0.0
Saint Lucia	0.6	0.6	0.0		0.0	0.1	0.0	1.3
Saint Vincent and the Grenadines	0.3	0.0	0.0		0.0	0.0	0.0	0.4
Samoa	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.6
San Marino	2.0	0.0	0.0		0.0		0.0	2.1
Sao Tome and Principe	0.3	0.0	0.0		0.0	0.0	0.0	0.4
Saudi Arabia	223.3	4.4	19.8	0.1	0.0	31.5	0.1	279.3
Senegal	2.6	1.7	1.2	0.3	0.1	0.1	0.1	6.1
Serbia	311.4	108.1	38.3	0.3	20.1	17.7	34.0	529.7
Seychelles	0.1	0.7	0.0	0.3	0.0	0.0	0.1	1.3
Sierra Leone	0.6	11.4	0.1	0.3	77.6	0.0	0.1	90.0
Singapore	917.2	7.6	14.2	249.2	29.4	102.3	57.0	1 376.8
Slovakia	947.9	377.1	306.1	130.3	187.5	68.2	147.5	2 164.5
Slovenia	692.2	315.6	162.4	1.1	197.8	34.9	191.9	1 595.9
Solomon Islands	0.0	9.2	0.0		350.7	0.0	12.2	372.1
Somalia	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3
South Africa	361.5	26.0	85.0	150.5	108.9	31.3	1 293.4	2 056.7
South Sudan	0.0	0.2	0.0		1.1		0.2	1.4
Spain	3 025.3	109.7	1 211.8	537.3	186.8	173.5	297.5	5 541.9
Sri Lanka	10.2	1.4	2.8	0.1	0.0	41.7	10.4	66.6
Sudan	0.5	0.1	0.0		0.2	0.5	0.5	1.7
Suriname	0.0	8.8	0.0		93.9	0.0	0.2	102.9
Sweden	8 709.8	4 831.1	155.8	2 709.2	241.4	105.3	526.6	17 279.2
Switzerland	660.1	68.6	263.6	1.5	46.9	91.5	9.6	1 141.9
Syrian Arab Republic	4.4	0.0	0.0	0.0	0.0	0.5	0.0	4.9

TABLE 34.
FOREST PRODUCTS EXPORTS, 2022 (USD MILLION) (CONTINUED)

COUNTRY	PAPER AND PAPERBOARD	SAWNWOOD	WOOD-BASED PANELS	ROUNDWOOD	RECOVERED PAPER	WOOD PELLETS	OTHER	TOTAL
Tajikistan	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.7
Thailand	964.1	1 007.4	1 328.7	35.5	3.3	14.6	542.2	3 896.0
Timor-Leste	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1
Togo	0.0	0.1	0.1	0.0	0.9	0.1	0.0	1.3
Tonga	0.3	0.0	0.0		0.0	0.0	0.0	0.3
Trinidad and Tobago	19.7	0.2	0.2	0.0	0.1	1.0	0.0	21.3
Tunisia	104.9	0.0	3.0	2.9	0.1	1.2	1.7	113.9
Türkiye	1 195.8	71.8	1 155.6	151.1	7.4	41.6	112.8	2 736.1
Turkmenistan	0.4	0.0	0.0	0.0	0.0	0.1	0.0	0.5
Tuvalu	0.0	0.0	0.0		0.0		0.0	0.0
Uganda	0.5	0.8	34.6	0.0	1.1	0.0	0.6	37.7
Ukraine	86.8	480.4	235.9	0.1	37.8	1.9	546.6	1 389.4
United Arab Emirates	992.4	64.7	96.4	80.4	8.9	152.9	22.1	1 417.9
United Kingdom of Great Britain and Northern Ireland	1 443.4	112.4	206.7	2.9	37.6	923.2	40.8	2 767.0
United Republic of Tanzania	46.3	33.6	29.7	0.0	5.5	1.2	4.7	121.0
United States of America	10 259.1	3 533.1	898.4	6 329.3	1 948.2	3 186.0	3 337.1	29 491.3
Uruguay	0.5	183.5	113.1	1 913.6	156.9	5.0	116.9	2 489.6
Uzbekistan	28.9	0.3	4.2	34.7	0.0	0.0	0.1	68.3
Vanuatu	0.0	0.0	0.1		3.2	0.0	0.0	3.3
Venezuela (Bolivarian Republic of)	4.6	12.6	0.2	0.0	5.5	0.0	8.9	31.8
Viet Nam	783.1	71.2	1 136.0	8.1	4.1	0.1	3 795.7	5 798.4
Yemen	0.1	0.0	0.1		0.0	0.1	0.0	0.2
Zambia	0.2	14.6	0.1	0.1	8.0	0.2	0.1	23.3
Zimbabwe	5.3	3.9	3.8	0.0	3.3	0.7	0.4	17.5

Source: FAO. 2023. FAOSTAT: Forestry Production and Trade. [Accessed on 15 November 2024].

<https://www.fao.org/faostat/en/#data/FO>. Licence: CC-BY-4.0

TABLE 35.
FAO FOOD PRICE INDICES (2014–2016=100)

TIME	FAO FOOD PRICE INDEX AND SUBINDICES						FISH
	FOOD PRICE INDEX	OILS	DAIRY	MEAT	SUGAR	CEREALS	
January 2021	113.5	138.9	111.1	96.0	94.2	125.0	94.3
February 2021	116.6	147.5	112.8	97.8	100.2	126.1	94.5
March 2021	119.2	159.3	117.2	100.8	96.2	123.9	99.3
April 2021	122.1	162.2	119.0	104.5	100.0	126.2	100.7
May 2021	128.5	174.9	121.2	108.5	106.8	133.7	105.7
June 2021	125.6	157.7	120.1	111.5	107.7	130.3	102.9
July 2021	124.6	155.5	117.2	114.0	109.6	126.3	100.4
August 2021	128.1	165.9	117.2	113.5	120.5	130.4	97.5
September 2021	129.3	168.6	119.2	112.5	121.2	132.8	97.1
October 2021	133.4	184.8	122.6	111.9	119.1	137.1	101.4
November 2021	135.5	184.6	127.2	112.6	120.2	141.4	100.7
December 2021	133.9	178.5	130.4	110.9	116.4	140.5	106.7
January 2022	135.8	185.9	134.3	112.0	112.7	140.6	113.2
February 2022	141.7	201.7	145.0	113.9	110.5	145.3	118.7
March 2022	160.3	251.8	149.6	119.4	117.9	170.1	125.8
April 2022	159.0	237.5	150.7	121.9	121.5	169.7	132.1
May 2022	158.8	229.2	149.7	122.8	120.4	173.5	131.9
June 2022	155.9	211.8	158.2	126.0	117.3	166.3	132.8
July 2022	141.8	168.8	155.6	124.0	112.8	147.3	117.7
August 2022	138.9	163.3	153.1	121.0	110.5	145.6	116.9
September 2022	137.5	152.6	152.8	120.3	109.7	147.9	108.0
October 2022	136.8	151.3	149.2	116.8	108.6	152.3	115.4
November 2022	136.1	154.7	147.4	114.6	114.4	150.1	106.0
December 2022	133.3	144.6	148.6	112.5	117.2	147.3	109.9
January 2023	131.6	140.4	144.7	111.1	116.8	147.5	119.9
February 2023	131.1	135.9	138.7	113.4	125.2	146.7	120.8
March 2023	128.2	131.8	135.3	114.7	127.0	138.6	127.4
April 2023	128.7	130.0	129.3	116.9	149.4	136.1	124.4
May 2023	124.7	118.7	121.7	118.1	157.2	129.3	122.8
June 2023	123.1	115.8	119.9	119.0	152.2	126.6	123.7
July 2023	124.6	129.8	119.1	118.5	146.3	125.9	117.9
August 2023	122.0	125.8	114.3	115.3	148.2	125.0	110.8
September 2023	121.9	120.9	112.0	114.1	162.7	126.3	107.5
October 2023	120.9	120.0	114.6	112.5	159.2	124.8	110.3
November 2023	120.8	124.1	116.5	112.0	161.4	121.0	111.2
December 2023	119.2	122.3	118.7	111.7	134.2	122.8	110.6
January 2024	117.7	122.5	118.7	109.0	136.4	119.9	119.2
February 2024	117.4	120.9	120.7	112.5	140.8	113.8	119.5
March 2024	119.0	130.6	124.0	115.0	133.4	110.9	117.2
April 2024	119.3	130.9	123.8	116.7	126.6	111.6	120.6
May 2024	120.6	127.8	126.3	117.1	117.1	118.7	122.6
June 2024	121.2	131.8	127.9	118.6	119.4	115.2	113.3
July 2024	121.0	135.0	127.9	120.4	119.5	110.7	108.4
August 2024	120.7	136.0	130.6	119.5	113.9	110.1	108.9

Source: FAO. 2024. FAO Food Price Index. In: FAO. Rome. [Cited 15 November 2024].

<https://www.fao.org/worldfoodsituation/foodpricesindex/en/> and FAO. 2024. FAO Fish Price Index. In: FAO. [Cited 15 November 2024].

<https://www.fao.org/fishery/en/fishstat/fishpriceindex>

TABLE 36.
ANNUAL CHANGES IN PRICES RECEIVED BY FARMERS (PERCENT)

COUNTRY	2000	2005	2010	2015	2019	2020	2021	2022	2023
World									
Africa									
Americas									
Asia									
Europe									
Oceania									
Afghanistan	-3.2	-0.5	22.3	13.4	1.1	1.4	3.1	3.7	2.4
Albania	1.6	-0.6	8.3	1.7	5.6	-0.8	8.4	19.6	8.8
Algeria	4.5	-1.2	3.9	5.2	3.4	3.8	7.5	0.9	2.1
Andorra									
Angola				10.5	2.9	2.9	3.2	4.0	3.6
Antigua and Barbuda	0.0	0.0	0.2	2.2	0.9	1.8	10.0	1.7	3.0
Argentina	3.9	-8.4	13.8	20.0	27.4	17.9	21.2	22.2	17.2
Armenia	-10.6	-18.9	49.1	-10.8	2.5	-3.3	14.6	12.1	6.4
Australia	-3.2	-5.5	-9.7	1.4	10.7	0.5	-3.9	9.0	5.5
Austria	1.1	-3.3	29.4	-0.2	-4.8	3.5	17.3	24.6	16.7
Azerbaijan	12.1	8.8	20.9	-0.3	5.7	7.3	8.2	19.9	10.6
Bahamas									
Bahrain									
Bangladesh	-2.8	7.9	1.5	-0.5	-12.7	9.3	18.0	4.3	5.0
Barbados	-3.0	5.5	2.9	0.4	3.6	-0.6	-0.8	1.1	-0.2
Belarus	186.4	11.6	42.4	3.8	10.9	9.0	19.6	5.9	9.7
Belgium		12.3	11.8	-0.6	-9.3	0.2	15.3	20.9	15.4
Belize	-1.5	0.7	1.9	1.1	3.0	1.1	-3.4	29.0	-9.4
Benin	3.1	1.7	-1.6	-3.0	7.5	27.8	10.8	0.2	6.5
Bhutan	5.5	1.7	19.5	-3.8	10.6	11.7	6.0	0.9	10.1
Bolivia (Plurinational State of)	0.0	-2.7	11.6	-14.3	17.2	13.9	-0.9	7.5	5.4
Bosnia and Herzegovina	3.7	-5.5	8.7	-5.0	6.0	0.3	15.3	23.2	10.9
Botswana	0.5	-10.0	9.3	-6.6	-1.7	-7.5	-4.4	5.9	-9.6
Brazil	7.9	-4.9	1.6	3.4	4.7	24.0	45.0	13.7	14.6
Brunei Darussalam	0.4	-6.5	0.8	-11.2	-3.9	3.3	9.5	5.4	5.6
Bulgaria	18.8	-16.7	15.1	0.7	0.7	6.9	21.4	34.1	20.7
Burkina Faso	-14.8	9.2	2.3	-3.9	4.8	1.5	8.2	29.0	11.9
Burundi	38.2	27.2	3.2	26.0	-5.5	8.8	3.2	2.0	2.3
Cabo Verde	-2.2	0.3	-5.1	-2.1	3.1	-1.9	-2.0	7.0	0.3
Cambodia	-6.8	9.5	19.4	-4.6	-1.0	9.7	6.1	11.9	9.2
Cameroon	-4.3	3.3	11.7	-12.7	1.1	4.4	5.7	-0.4	2.4
Canada	-3.3	-12.4	-6.3	5.9	0.4	3.8	22.1	26.5	19.9
Central African Republic				-11.5	-8.4	-0.6	0.0	-0.4	-0.3
Chad			-2.3	-23.6	-11.9	5.7	4.9	13.8	8.0
Chile	9.9	6.3	-2.2	11.5	4.8	20.7	5.9	-23.8	4.1
China	9.5	3.3	4.9	0.0	21.1	2.2	-11.0	7.9	3.9
Colombia	14.9	4.1	5.0	11.9	10.5	5.6	10.2	25.8	1.4
Comoros									

TABLE 36.
ANNUAL CHANGES IN PRICES RECEIVED BY FARMERS (PERCENT) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2019	2020	2021	2022	2023
Congo	-4.2	26.8	39.6	-14.0	12.3	-0.4	1.2	0.8	0.8
Costa Rica	0.4	13.0	-0.6	0.4	0.5	-0.8	0.7	3.0	2.6
Côte d'Ivoire	14.8	15.0	27.0	7.2	6.9	3.9	4.0	-0.8	0.0
Croatia	6.6	-0.8	17.3	1.9	2.6	2.7	23.7	31.2	16.4
Cuba	88.4	106.2	11.6	4.6	2.4	-1.0	2.4	2.3	2.3
Cyprus	6.7	4.5	2.5	-0.5	4.8	-1.5	0.7	4.1	2.8
Czechia	13.8	-14.0	11.7	-11.6	5.0	-3.3	9.1	31.1	-5.1
Democratic People's Republic of Korea									
Democratic Republic of the Congo									
Denmark	-1.6	-7.8	14.2	-8.9	1.5	-3.1	10.2	36.4	7.4
Djibouti									
Dominica									
Dominican Republic	-9.7	8.1	4.5	17.0	45.9	3.6	-0.1	25.8	13.1
Ecuador	120.0	1.8	6.7	-0.6	2.5	0.5	-1.5	-0.2	-4.3
Egypt	0.9	8.2	14.2	7.1	78.1	5.9	-13.3	33.1	16.1
El Salvador	3.6	18.1	13.2	5.8	2.4	-1.7	-3.5	29.6	1.6
Equatorial Guinea	-11.9	44.8	-8.2	-20.8	-7.0	-11.9	2.8	-1.6	-7.1
Eritrea	24.4	-2.4	11.6	9.9	9.1	-1.1	5.3	2.8	3.2
Estonia	32.1	3.1	43.3	-14.3	-4.8	-1.6	19.8	32.2	23.0
Eswatini									
Ethiopia	2.1	14.1	-18.1	-0.7	6.8	5.6	7.6	7.9	7.1
Fiji	-4.8	4.2	-31.5	-8.1	-4.2	-2.4	5.2	6.0	-6.6
Finland	-1.8	-5.9	5.9	-6.6	-2.5	-2.1	9.2	33.1	21.9
France	3.3	3.9	22.5	4.0	-1.5	6.8	17.2	-3.2	2.6
Gabon									
Gambia	9.8	13.6	7.2	18.8	12.2	20.1	3.8	3.1	6.5
Georgia	-0.9	-14.2	7.8	-6.9	11.8	4.3	11.2	15.0	8.7
Germany	0.8	-6.5	25.1	-8.7	0.9	-2.3	9.2	37.5	24.6
Ghana	46.9	24.7	21.2	20.1	-9.3	38.6	34.9	28.0	21.1
Greece	4.3	4.0	3.0	3.2	2.2	-1.3	5.9	15.0	6.8
Grenada				8.8	-9.0	-3.5	-3.5	10.3	-6.8
Guatemala									
Guinea	-1.0	23.2	3.6	0.9	113.6	59.2	4.4	5.1	4.6
Guinea-Bissau	-7.1	3.1	4.7	9.9	-1.6	-2.3	-20.4	15.8	-1.6
Guyana	1.0	1.3	-2.8	3.6	4.0	-7.6	48.1	3.1	7.4
Haiti									
Honduras	9.3	13.9	2.7	3.1	2.7	2.6	2.6	2.5	2.5
Hungary	26.5	-4.4	25.3	5.0	6.0	7.1	25.1	55.2	34.5
Iceland	4.8	3.8	0.1	1.9	3.1	5.1	4.3	11.0	9.3
India	0.3	5.4	17.7	6.0	5.4	-2.1	16.2	6.2	6.2
Indonesia	-3.0	10.7	15.0	5.4	-4.2	7.9	3.9	10.5	7.7
Iran (Islamic Republic of)	10.6	2.5	7.4	3.2	25.4	47.7	58.1	56.7	30.5
Iraq	13.1	34.2	4.9	-2.1	-0.7	0.1	2.8	6.8	0.1
Ireland	0.4	0.0	23.6	-17.8	-3.8	-3.0	18.1	28.7	26.3

TABLE 36.
ANNUAL CHANGES IN PRICES RECEIVED BY FARMERS (PERCENT) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2019	2020	2021	2022	2023
Israel	-5.2	10.2	2.5	3.1	-2.1	2.6	1.5	0.7	0.8
Italy	0.0	-6.9	4.3	-0.7	1.4	-0.6	4.1	18.2	2.9
Jamaica	25.5	25.8	4.7	10.2	8.6	16.6	5.6	-2.3	6.4
Japan	-7.3	-3.9	6.0	2.9	-2.2	3.8	-2.0	1.0	-0.3
Jordan	-6.8	1.4	4.7	4.8	-12.0	0.9	3.9	-1.7	4.1
Kazakhstan	25.6	2.2	-0.7	9.8	36.4	12.6	20.7	14.6	13.2
Kenya	9.1	-1.1	-3.1	19.6	9.2	-44.5	0.6	4.4	-3.4
Kiribati									
Kuwait				-27.1	0.8	-23.4	0.1	-4.7	3.0
Kyrgyzstan	36.6	16.4	-6.7	-7.9	-6.6	18.9	32.7	4.4	3.6
Lao People's Democratic Republic	7.1	5.4	8.9	6.6	0.1	3.0	-4.7	-0.1	-1.7
Latvia	1.1	5.5	32.9	-8.0	-0.6	-2.8	16.5	38.9	7.8
Lebanon	3.9	1.0	-7.5	-1.0	6.2	-2.4	3.6	3.4	4.9
Lesotho									
Liberia									
Libya									
Lithuania	-0.8	-0.9	36.0	-4.3	-0.1	-0.9	18.0	49.1	30.6
Luxembourg		-2.7	18.9	-12.2	-1.3	2.3	6.4	23.6	22.0
Madagascar	1.0	25.2	-17.0	-10.5	13.6	8.8	6.0	8.8	5.5
Malawi	23.7	32.6	-3.5	15.0	15.1	15.3	8.9	14.9	9.4
Malaysia	-14.5	-4.3	29.5	-7.5	-10.4	18.9	50.1	12.9	14.0
Maldives		-6.2	264.3	41.7	22.8	-4.0	1.0	0.6	-1.9
Mali	-11.3	27.4	9.2	-4.9	-4.2	2.7	4.5	24.8	15.8
Malta	-32.7	-0.8	-4.5	25.4	13.3	-7.5	5.4	5.6	2.0
Marshall Islands									
Mauritania									
Mauritius	5.7	7.3	-6.4	-4.3	7.4	17.3	13.2	13.6	9.5
Mexico	-2.1	-3.8	6.0	5.2	4.0	1.8	9.9	2.4	2.8
Micronesia (Federated States of)									
Mongolia	9.7	7.4	20.8	9.7	2.6	33.6	15.3	38.5	20.1
Montenegro									
Morocco	0.1	3.7	5.3	-1.4	-0.9	11.6	6.4	8.1	8.9
Mozambique	-1.9	20.4	-10.5	32.1	10.3	12.6	-19.9	6.7	5.7
Myanmar	0.8	34.1	3.0	12.9	5.7	22.6	6.8	61.8	15.1
Namibia	4.9	10.9	24.5	-11.5	-6.9	0.5	3.1	0.7	-0.1
Nauru									
Nepal	7.7	9.5	19.6	4.6	11.4	0.4	11.7	0.5	5.2
Netherlands (Kingdom of the)	-4.0	-1.1	20.3	-4.1	2.3	-10.8	9.4	38.4	-8.5
New Zealand	2.6	2.1	16.1	-35.2	-4.6	4.8	-0.7	22.1	6.8
Nicaragua	4.2	10.3	9.0	5.8	0.2	3.0	11.9	24.9	15.8
Niger	9.8	21.1	-0.7	-1.2	-7.5	-9.7	0.9	2.8	1.2
Nigeria	9.1	20.8	67.7	-0.1	-2.5	4.4	1.0	6.5	4.8
North Macedonia	7.3	-0.4	4.3	-0.4	2.9	-2.3	8.2	14.0	-0.8
Norway	0.4	2.6	2.5	5.9	-1.8	5.7	6.4	7.9	4.0

TABLE 36.
ANNUAL CHANGES IN PRICES RECEIVED BY FARMERS (PERCENT) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2019	2020	2021	2022	2023
Oman				28.7	0.0	5.0	0.0	0.0	0.0
Pakistan	6.0	2.5	16.4	1.7	11.4	8.8	6.6	21.1	15.7
Palau									
Panama	-0.1	-4.0	-0.4	13.9	4.1	-8.4	-2.3	9.8	-1.2
Papua New Guinea									
Paraguay	39.2	-12.9	5.2	-8.8	-4.6	14.8	0.2	55.0	8.5
Peru	-7.4	-1.0	2.5	4.8	6.1	2.9	7.1	13.0	9.4
Philippines	-6.1	5.2	8.3	-5.8	-5.5	1.5	4.9	4.5	3.9
Poland	11.6	-5.0	22.3	-1.6	6.9	-0.4	15.9	43.6	27.5
Portugal	11.1	3.8	9.0	-9.4	-1.4	-2.0	12.3	23.0	-4.9
Qatar	-8.4	12.9	11.0	3.2	4.7	6.7	-5.7	3.9	-1.1
Republic of Korea	-4.3	-8.1	0.9	2.3	2.1	0.5	5.3	-3.6	6.2
Republic of Moldova	29.7	6.5	49.0	26.7	3.5	25.0	0.5	-1.7	3.7
Romania	64.3	-10.0	13.4	0.7	10.2	6.0	9.4	30.8	15.0
Russian Federation	19.5	-0.5	8.8	20.9	9.8	9.7	21.1	3.5	11.6
Rwanda	12.2	18.4	2.6	4.6	3.7	8.2	1.8	78.6	5.9
Saint Kitts and Nevis					2.3	3.3	4.6	0.2	2.0
Saint Lucia	-18.5	10.2	3.7	3.2	3.2	-8.0	8.7	0.0	2.5
Saint Vincent and the Grenadines			5.9	5.8	2.8	0.4	2.3	3.6	-1.3
Samoa				31.4	-1.1	-3.6	-5.2	28.0	-8.9
San Marino									
Sao Tome and Principe									
Saudi Arabia	1.4	4.1	-2.9	-14.3	14.1	24.3	3.6	8.3	1.9
Senegal	4.1	5.3	-0.9	-5.5	3.0	3.3	4.5	11.8	7.0
Serbia			38.9	5.5	0.3	7.9	23.4	24.7	13.1
Seychelles			7.6	0.7	-0.1	-10.3	5.6	11.4	-6.5
Sierra Leone				3.2	10.8	8.9	-1.6	3.5	5.2
Singapore	-1.6	-4.1	-7.3	-4.4	7.7	-0.7	9.4	24.5	2.0
Slovakia	8.3	-7.3	20.3	-1.2	1.9	-0.8	15.1	40.5	15.4
Slovenia	7.1	-2.0	8.4	-4.8	8.2	-3.7	16.5	26.6	10.7
Solomon Islands									
Somalia									
South Africa	-4.3	-6.5	0.0	-4.9	7.0	4.9	6.3	11.7	14.1
South Sudan									
Spain	4.3	4.9	12.5	2.8	-3.9	3.6	9.4	20.7	11.0
Sri Lanka	2.3	10.2	7.0	5.8	-3.7	16.5	8.7	70.1	24.0
Sudan									
Suriname	80.4	18.9	1.2	-2.0	16.0	26.7	107.9	20.1	19.6
Sweden	-4.4	-4.2	21.9	-4.9	-7.7	0.8	11.9	39.7	22.3
Switzerland	-3.9	-2.2	-1.8	-3.6	1.0	1.2	5.8	5.8	6.3
Syrian Arab Republic	1.9	10.7	3.3	12.2	9.4	30.0	9.9	13.9	15.4
Tajikistan	-2.0	25.7	18.7	-6.9	2.7	0.4	0.2	2.2	6.2
Thailand	-7.5	14.4	25.1	-0.9	1.8	-3.0	8.8	6.2	6.4
Timor-Leste			28.6	8.5	6.2	8.8	7.7	5.0	7.6

TABLE 36.
ANNUAL CHANGES IN PRICES RECEIVED BY FARMERS (PERCENT) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2019	2020	2021	2022	2023
Togo	-6.7	30.0	0.3	7.4	-1.6	-3.6	13.7	4.6	5.7
Tonga									
Trinidad and Tobago	0.6	-16.4	-5.4	3.1	0.2	-4.6	10.4	7.2	5.0
Tunisia	-3.4	6.3	3.1	6.1	-0.7	0.3	8.1	9.8	1.3
Türkiye	47.6	6.5	14.6	6.6	22.5	15.5	24.6	133.6	33.7
Turkmenistan	20.7	5.2	2.3	-18.8	7.5	2.7	12.0	26.2	8.5
Tuvalu									
Uganda									
Ukraine	40.0	5.7	43.7	53.3	0.6	13.3	25.8	15.2	13.4
United Arab Emirates									
United Kingdom of Great Britain and Northern Ireland	-5.3	-5.1	9.3	-12.1	-2.1	4.2	10.0	25.2	21.0
United Republic of Tanzania	-7.7	2.6	9.1	10.5	-3.1	3.3	3.3	3.8	3.2
United States of America	-2.5	0.7	22.5	-8.1	4.2	7.5	12.3	23.0	12.8
Uruguay	5.7	-12.5	-0.4	-9.0	17.3	27.2	19.2	8.6	13.0
Uzbekistan									
Vanuatu	0.1	-0.2	14.9	-5.1	0.1	6.3	0.1	1.2	1.1
Venezuela (Bolivarian Republic of)									
Viet Nam	0.9	17.8	13.3	-1.1	-1.3	3.6	12.5	-7.3	5.3
Yemen	11.7	8.5	-2.0	4.7	59.3	-1.7	49.2	41.2	6.9
Zambia			22.3	9.4	43.5	0.8	26.2	7.4	13.6
Zimbabwe	54.6	263.0		188.8					

Source: FAO. 2024. FAOSTAT: Producer prices. [Accessed on 15 November 2024].

<https://www.fao.org/faostat/en/#data/PP>. Licence: CC-BY-4.0.

TABLE 37.
INFLATION IN FOOD CONSUMER PRICES (PERCENT)

COUNTRY	2015	2016	2017	2018	2019	2020	2021	2022	2023
World	2.5	1.8	2.1	2.1	2.8	3.2	3.7	10.6	8.9
Africa	4.8	5.4	4.9	4.8	3.0	6.8	4.1	8.7	6.5
Americas	2.7	1.6	1.0	2.7	2.0	2.1	3.1	8.6	7.3
Asia	2.8	2.3	2.1	3.1	3.7	6.6	3.0	6.0	5.1
Europe	0.7	0.5	2.5	1.9	2.3	2.9	0.8	12.9	12.1
Oceania	2.1	1.2	1.2	0.6	0.7	2.6	2.6	11.1	9.7
Afghanistan	-0.8	5.7	6.9	-1.1	3.8	10.0	5.5	19.0	-7.7
Albania	4.3	3.3	3.9	2.7	2.9	3.6	3.9	11.7	9.5
Algeria	4.7	3.4	5.0	3.4	-0.5	0.2	10.0	13.4	13.3
Andorra	1.7	0.8	2.9	2.1	1.1	2.4	1.5	8.9	12.2
Angola	8.7	32.7	28.6	15.9	16.5	27.1	32.1	24.5	13.2
Antigua and Barbuda	2.5	-0.1	1.9	3.3	1.6	2.1	1.2	10.5	7.1
Argentina	12.3	13.0	17.6	31.7	58.6	47.5	49.6	72.4	134.0
Armenia	3.0	-3.2	4.1	2.3	1.8	0.3	11.3	13.0	-0.6
Australia	1.1	0.7	0.9	0.8	2.3	3.3	1.2	6.5	6.6
Austria	0.8	0.7	2.4	1.5	1.0	2.3	0.8	10.6	11.1
Azerbaijan	4.8	13.7	17.3	2.0	3.3	4.6	8.1	20.1	9.9
Bahamas	5.7	-0.9	-0.1	2.4	0.1	1.6	2.1	13.5	4.7
Bahrain	2.4	1.3	1.0	2.1	2.4	3.5	-0.1	10.4	6.0
Bangladesh	6.1	4.5	7.2	6.2	5.6	5.8	5.3	7.7	10.4
Barbados	2.8	8.2	6.2	1.6	5.9	7.7	3.3	14.9	21.6
Belarus	12.5	10.7	7.1	4.0	6.4	4.3	9.6	16.6	4.2
Belgium	1.2	2.2	1.3	2.2	0.8	2.9	-0.4	8.7	13.6
Belize	-0.4	0.1	-1.1	-0.5	0.6	1.1	4.8	7.8	12.4
Benin	0.4	-0.5	-0.1	1.3	-0.7	3.0	5.8	-0.7	0.2
Bhutan	3.3	4.0	7.5	5.0	3.6	11.2	9.0	4.2	3.9
Bolivia (Plurinational State of)	4.6	5.5	3.3	2.6	3.3	-0.6	0.6	2.2	4.9
Bosnia and Herzegovina	-0.7	-1.3	1.3	0.6	1.1	1.0	3.5	21.3	10.8
Botswana	1.3	2.7	3.4	-0.5	1.4	3.7	7.1	9.8	11.9
Brazil	9.8	12.5	0.9	0.9	4.8	9.0	12.4	12.0	4.1
Brunei Darussalam	0.9	-0.5	0.3	1.9	-0.7	2.5	2.4	5.1	2.7
Bulgaria	0.3	-0.2	4.0	2.2	5.2	5.4	2.7	21.8	13.9
Burkina Faso	3.1	1.0	1.3	3.4	-6.4	3.7	6.8	23.8	-1.2
Burundi	5.7	7.2	24.0	-11.1	-3.1	12.1	10.4	24.1	37.4
Cabo Verde	1.5	-0.6	-0.2	0.4	1.4	1.6	0.5	15.7	8.9
Cambodia	4.0	5.6	3.4	2.5	2.1	4.6	2.7	5.0	3.2
Cameroon	2.0	1.1	0.0	1.2	2.9	3.6	4.2	12.7	10.9
Canada	4.1	1.0	-1.0	0.8	3.7	2.4	2.2	9.7	7.9
Central African Republic									
Chad	-3.3	-4.1	-3.8	-1.9	-5.2	9.4	-1.6	12.3	15.0
Chile	7.2	3.8	2.0	3.1	2.6	6.7	5.4	17.5	12.4
China, mainland	2.5	3.7	-0.2	1.9	7.2	8.1	-4.3	2.7	-0.3
Colombia	8.6	13.1	0.7	0.8	4.9	5.6	9.6	24.9	14.9
Comoros	1.6	2.6	0.8	2.5	4.9	1.6	0.0	0.0	0.0

TABLE 37.
INFLATION IN FOOD CONSUMER PRICES (PERCENT) (CONTINUED)

COUNTRY	2015	2016	2017	2018	2019	2020	2021	2022	2023
Congo	2.9	0.5	-1.2	0.0	-0.2	2.2	3.0	6.2	4.3
Costa Rica	3.2	-0.8	1.7	1.6	0.8	0.5	2.2	15.3	3.5
Côte d'Ivoire	2.0	3.0	0.4	-0.5	-3.6	4.2	7.7	8.8	6.5
Croatia	0.4	-0.5	2.9	1.0	-0.1	1.9	1.6	15.8	12.8
Cuba									
Cyprus	-0.1	-0.3	-0.3	0.7	0.6	1.2	-0.4	8.9	7.8
Czechia	-1.1	-0.9	5.2	1.3	2.8	4.5	0.8	16.5	11.7
Democratic People's Republic of Korea									
Democratic Republic of the Congo	0.8	3.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
Denmark	1.0	0.1	2.8	0.0	1.4	0.6	0.6	11.4	8.5
Djibouti	3.1	6.0	1.9	0.2	5.7	4.8	1.7	10.6	2.6
Dominica	0.7	0.1	-0.2	2.2	1.9	0.6	1.2	7.9	8.5
Dominican Republic	6.7	2.2	2.3	3.6	3.7	6.3	9.9	11.1	7.8
Ecuador	4.2	2.5	0.5	-1.6	0.0	0.7	-0.8	5.2	5.6
Egypt	10.6	16.5	38.8	13.2	7.3	-0.2	4.5	23.3	63.4
El Salvador	1.4	-0.6	0.2	0.5	1.2	1.6	2.2	12.2	7.9
Equatorial Guinea	1.5	-4.1	1.6	0.6	0.8	4.7	-1.2	5.6	1.8
Eritrea									
Estonia	-0.5	0.0	5.7	3.0	3.0	2.1	1.8	19.6	16.1
Eswatini	4.2	15.0	8.0	0.0	2.1	3.0	0.0	0.0	0.0
Ethiopia	12.0	6.6	11.2	12.6	18.7	23.2	31.1	37.2	14.3
Fiji	4.8	6.0	-2.2	3.4	4.9	-2.4	6.5	6.1	7.5
Finland	-1.9	-1.1	-0.9	1.9	1.2	1.7	0.6	10.4	9.1
France	0.4	0.6	1.1	2.0	2.5	2.0	0.6	7.2	12.4
Gabon	2.8	-0.1	-0.7	3.6	3.1	1.9	1.4	5.9	5.9
Gambia	8.3	8.2	8.7	6.3	6.8	6.6	9.6	14.0	21.8
Georgia	4.2	1.6	6.8	2.2	8.1	10.5	10.7	17.9	3.7
Germany	0.6	0.8	2.8	2.3	1.2	2.1	3.1	12.4	12.4
Ghana	7.5	8.6	7.3	7.8	7.5	11.1	10.3	33.1	48.6
Greece	1.8	-0.2	0.3	0.4	-0.1	1.4	1.4	11.7	11.7
Grenada	1.0	-2.3	0.6	1.1	0.4	1.0	1.7	5.7	7.7
Guatemala	9.3	10.0	8.9	7.3	7.8	6.3	4.9	9.2	10.2
Guinea	14.4	11.5	13.6	13.4	11.4	12.7	15.8	13.8	16.2
Guinea-Bissau	3.1	2.5	-0.3	0.7	0.9	2.9	5.0	9.7	9.5
Guyana									
Haiti	6.9	12.9	11.1	13.8	22.2	27.4	19.6	34.6	37.1
Honduras	3.3	1.0	1.6	3.5	2.2	4.7	2.9	13.4	11.0
Hungary	0.6	0.3	2.6	4.0	5.1	7.2	3.4	26.9	24.6
Iceland	2.8	1.3	-2.4	2.5	3.8	4.9	3.5	7.2	11.8
India	5.3	5.4	1.8	1.7	3.5	8.8	3.7	6.6	6.7
Indonesia	7.2	7.3	1.9	4.1	1.4	4.9	2.8	6.0	4.9
Iran (Islamic Republic of)	10.6	6.6	12.5	21.8	57.2	26.5	59.1	61.6	51.4
Iraq	1.8	-0.7	-2.1	0.5	0.0	-0.5	4.8	6.8	5.5
Ireland	-2.1	-1.3	-2.1	-2.0	-0.7	-1.4	-0.2	6.8	9.9

TABLE 37.
INFLATION IN FOOD CONSUMER PRICES (PERCENT) (CONTINUED)

COUNTRY	2015	2016	2017	2018	2019	2020	2021	2022	2023
Israel	0.0	-1.2	0.0	0.9	2.1	0.0	1.0	4.3	4.6
Italy	1.1	0.2	1.9	1.2	0.8	1.4	0.6	9.1	10.1
Jamaica	7.7	4.0	4.4	4.1	6.3	8.5	6.4	12.8	10.1
Japan	3.6	2.1	0.7	1.6	0.2	1.2	0.0	4.9	8.1
Jordan	1.1	-3.5	-0.4	3.2	0.3	2.3	0.1	3.3	0.6
Kazakhstan	5.7	13.0	8.6	4.8	8.0	10.4	10.7	18.8	15.2
Kenya	11.4	10.1	13.4	1.4	8.1	9.1	8.5	12.6	9.7
Kiribati	-0.6	1.7	1.8	-1.1	-1.9	3.7	2.4	6.6	11.5
Kuwait	3.4	1.9	-0.3	0.0	1.1	4.8	9.5	7.4	6.3
Kyrgyzstan	3.7	-6.5	2.5	-2.2	1.4	11.6	18.0	16.2	8.4
Lao People's Democratic Republic	4.5	4.3	-0.1	1.2	4.6	8.7	3.0	20.8	39.1
Latvia	-1.3	1.1	5.6	0.6	2.9	2.4	2.2	21.3	13.5
Lebanon	-1.1	-1.2	3.7	5.0	4.3	207.7	309.9	277.7	255.2
Lesotho	6.2	11.8	5.7	5.2	6.8	10.3	9.7	8.8	8.3
Liberia	10.2	7.8	6.4	20.8	29.5	20.2	2.6	0.0	0.0
Libya	18.1	30.1	34.6	19.2	-3.9	-0.4	3.7	4.3	3.4
Lithuania	-0.9	1.2	3.6	1.4	2.9	2.3	2.7	25.9	15.0
Luxembourg	0.8	1.5	2.8	2.2	1.4	2.7	0.9	7.0	10.5
Madagascar	6.5	6.2	9.3	10.8	4.8	3.8	7.4	9.5	12.1
Malawi	23.9	26.7	11.9	13.4	14.3	13.0	11.3	26.6	36.9
Malaysia	3.6	3.9	4.2	1.4	1.6	1.3	1.8	5.7	4.8
Maldives	0.5	0.6	5.6	-1.1	-0.8	2.7	1.8	4.6	5.9
Mali	3.0	-3.2	2.6	-1.9	-1.7	2.5	5.2	14.3	2.4
Malta	3.0	2.1	3.5	2.9	3.6	1.9	2.3	10.4	9.6
Marshall Islands									
Mauritania	5.7	2.3	3.1	4.2	2.7	2.2	5.8	15.3	5.5
Mauritius	3.1	1.1	3.7	3.2	0.0	6.2	4.4	14.7	7.9
Mexico	4.0	4.5	6.9	4.8	4.4	6.6	7.2	13.2	8.2
Micronesia (Federated States of)	0.6	-1.5	-1.4	-1.2	1.4	0.6	1.3	6.5	11.7
Mongolia	0.8	-1.5	4.5	7.1	10.7	7.0	13.7	18.6	15.8
Montenegro	2.9	-0.8	1.7	0.4	3.1	1.6	3.5	22.4	10.9
Morocco	2.6	2.8	0.0	1.0	-1.3	0.9	0.6	11.2	13.0
Mozambique	5.1	27.1	16.6	0.0	3.3	7.1	11.4	12.9	10.0
Myanmar	6.6	5.4	4.4	6.5	9.0	2.8	5.5	8.7	0.0
Namibia	5.6	10.7	5.6	3.2	4.3	5.2	5.7	7.6	11.4
Nauru									
Nepal	9.6	8.7	1.1	1.6	5.7	7.6	4.1	6.9	6.1
Netherlands (Kingdom of the)	0.6	1.0	2.7	0.8	4.0	1.9	-0.2	10.6	12.0
New Zealand	-0.5	-0.6	2.2	-0.1	1.1	3.3	1.9	8.6	10.0
Nicaragua	4.8	1.5	0.6	4.2	4.6	4.2	6.3	15.7	11.0
Niger	-0.8	2.9	3.5	-0.7	-4.6	5.0	7.5	7.4	4.2
Nigeria	9.9	14.7	19.4	14.4	13.7	16.0	20.4	20.7	27.5
North Macedonia	0.1	-1.3	0.2	0.8	1.6	2.4	3.1	20.5	12.1
Norway	2.9	2.6	0.0	2.5	1.1	3.3	-2.0	6.4	9.8

TABLE 37.
INFLATION IN FOOD CONSUMER PRICES (PERCENT) (CONTINUED)

COUNTRY	2015	2016	2017	2018	2019	2020	2021	2022	2023
Oman	-0.8	-1.2	0.6	-0.7	1.4	1.1	0.5	4.5	3.3
Pakistan	0.6	2.4	3.3	2.2	10.5	15.5	10.5	24.4	38.5
Palau	2.2	-3.3	2.4	4.1	0.7	2.2	3.1	13.8	16.9
Panama	-0.8	1.5	-0.5	-0.6	0.5	-0.7	1.6	3.9	3.4
Papua New Guinea	4.8	5.4	3.0	0.7	3.0	2.3	4.0	6.9	7.3
Paraguay	2.9	5.8	5.8	3.9	1.2	1.2	9.1	15.0	6.0
Peru	4.4	3.6	3.0	-1.6	1.6	1.9	6.0	13.0	11.5
Philippines	1.9	1.6	3.1	6.8	2.1	2.7	5.2	4.5	7.9
Poland	-1.7	0.9	4.3	2.6	4.8	4.6	3.0	15.3	15.1
Portugal	1.0	0.5	1.5	0.7	0.3	2.1	0.7	12.8	10.2
Qatar	0.8	-1.9	1.9	0.0	-0.1	-0.1	2.6	4.0	1.4
Republic of Korea	1.6	2.3	3.4	2.8	0.1	4.4	5.9	5.9	5.5
Republic of Moldova	10.0	7.5	8.0	5.5	7.7	7.6	7.0	32.5	13.5
Romania	-3.9	-2.6	2.5	3.8	4.7	4.8	3.2	15.5	15.1
Russian Federation	21.1	5.8	2.7	1.6	5.7	4.3	9.6	16.1	4.4
Rwanda	3.6	12.6	12.8	-7.4	3.5	15.7	-4.1	27.4	36.5
Saint Kitts and Nevis	-10.7	-6.1	-0.2	2.4	1.9	0.3	0.2	10.4	5.1
Saint Lucia	0.2	-3.2	-1.5	3.7	2.2	-0.8	-0.1	5.6	6.5
Saint Vincent and the Grenadines	-1.2	-0.6	2.5	2.3	0.6	1.8	2.3	10.1	10.5
Samoa	3.3	5.8	1.3	5.6	1.0	-1.6	3.4	15.4	16.7
San Marino	3.2	2.0	2.4	5.1	3.8	3.2	3.5	11.5	12.3
Sao Tome and Principe	4.1	0.8	6.6	8.7	9.0	12.4	9.5	19.9	23.8
Saudi Arabia	0.6	-1.3	-0.8	6.5	2.1	8.9	5.5	3.7	1.5
Senegal	1.8	3.3	3.8	1.0	1.9	3.2	2.9	14.9	7.2
Serbia	2.0	-0.3	3.3	1.9	2.6	2.5	4.4	18.7	18.3
Seychelles	0.5	0.0	0.3	-0.1	0.0	2.5	14.6	1.4	-0.9
Sierra Leone	8.3	12.5	19.5	17.7	8.8	13.8	17.0	29.8	56.4
Singapore	1.2	2.3	1.3	1.3	1.1	2.9	1.6	5.3	5.2
Slovakia	-0.3	-2.8	4.0	3.9	4.0	2.5	1.8	18.3	17.6
Slovenia	0.8	0.9	2.2	2.7	1.6	3.5	-0.2	12.1	12.3
Solomon Islands	-2.8	0.5	-0.7	2.2	-0.4	1.3	-3.0	9.1	5.8
Somalia	4.1	0.9	4.6	7.6	6.1	2.0	2.7	13.9	0.8
South Africa	5.0	11.6	6.9	3.1	3.5	4.4	6.1	9.2	10.9
South Sudan	53.7	333.7	210.6	71.6	106.4	24.4	21.6	-9.2	28.8
Spain	1.2	1.4	1.2	1.6	1.0	2.4	1.8	11.5	11.7
Sri Lanka	5.3	3.1	11.3	-0.2	0.6	12.2	11.1	58.1	12.4
Sudan	14.4	13.5	34.9	69.0	62.7	136.0	235.0	100.6	7.7
Suriname	9.0	49.6	31.5	9.3	5.3	41.5	61.0	52.4	58.5
Sweden	2.3	1.1	2.1	2.4	2.8	2.1	0.4	11.2	12.3
Switzerland	-0.8	0.4	0.4	1.3	0.1	0.1	-1.6	1.6	4.8
Syrian Arab Republic	34.8	57.8	17.5	0.4	14.6	123.5	0.0	0.0	0.0
Tajikistan	6.9	5.1	9.2	2.7	11.0	11.6	10.5	7.3	3.7
Thailand	1.1	1.6	0.0	0.4	2.3	1.2	-0.1	6.9	2.6
Timor-Leste	0.3	-2.1	0.9	1.7	1.1	0.9	5.6	7.7	9.9

TABLE 37.
INFLATION IN FOOD CONSUMER PRICES (PERCENT) (CONTINUED)

COUNTRY	2015	2016	2017	2018	2019	2020	2021	2022	2023
Togo	9.9	4.4	-3.3	0.3	-0.5	3.1	8.9	12.4	3.7
Tonga	1.8	1.3	8.6	6.2	1.7	1.9	7.2	9.8	10.4
Trinidad and Tobago	8.7	7.5	2.9	1.1	0.6	2.8	4.4	10.3	7.8
Tunisia	4.5	2.7	5.6	7.3	6.9	4.7	6.3	10.8	14.4
Türkiye	11.2	5.8	12.7	17.7	19.8	13.8	23.9	84.6	65.5
Turkmenistan									
Tuvalu									
Uganda	7.2	5.6	10.2	-1.2	-0.2	1.8	1.4	13.3	10.8
Ukraine	45.7	9.4	12.8	11.2	8.0	2.7	10.8	26.2	15.1
United Arab Emirates	1.2	1.0	1.2	3.5	-1.4	3.7	-0.2	7.2	3.6
United Kingdom of Great Britain and Northern Ireland	-2.6	-2.4	2.3	2.1	1.4	0.7	0.3	10.8	14.7
United Republic of Tanzania	7.9	7.5	9.1	3.0	2.9	4.1	3.7	7.3	6.8
United States of America	1.2	-1.3	-0.2	0.5	0.9	3.5	3.5	11.4	5.0
Uruguay	9.5	9.6	2.8	8.3	8.7	13.8	6.8	11.0	8.8
Uzbekistan	7.1	4.9	17.8	20.1	17.0	17.2	14.4	15.0	12.0
Vanuatu	3.6	1.8	6.9	4.4	5.1	10.8	5.8	8.5	19.2
Venezuela (Bolivarian Republic of)	197.3	381.1	453.0	15 145.9	77 645.9	2 734.4	1 460.4	188.8	372.7
Viet Nam	1.5	2.4	-1.1	3.2	4.1	10.0	0.7	2.6	3.4
Yemen	11.6	17.1	4.9	0.0	0.0	0.0	0.0	0.0	0.0
Zambia	10.8	21.6	5.8	7.1	10.4	16.2	27.7	13.2	12.4
Zimbabwe	-3.4	-3.2	2.5	13.6	256.2	696.6	132.7	137.0	73.4

Source: FAO. 2024. FAOSTAT: Consumer Price Indices. [Accessed on 15 November 2024]. Licence: CC-BY-4.0.

CHAPTER 3: FOOD SECURITY AND NUTRITION

TABLE 38.
PREVALENCE OF UNDERNOURISHMENT (PERCENT)

COUNTRY	2000–2002	2004–2006	2009–2011	2016–2018	2017–2019	2018–2020	2019–2021	2020–2022	2021–2023
World	13.0	12.0	8.7	7.3	7.3	7.8	8.3	8.9	9.1
Africa	22.3	19.9	16.2	16.9	17.1	17.8	18.5	19.4	19.9
Asia	14.5	13.6	9.2	6.5	6.4	6.9	7.5	8.0	8.2
Latin America and the Caribbean	10.3	8.9	6.4	5.9	5.7	6.0	6.3	6.7	6.6
Northern America and Europe	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Oceania	6.4	6.7	7.0	6.9	7.0	6.9	7.1	7.1	7.3
Afghanistan	46.0	34.2	19.4	21.4	22.6	25.1	27.7	29.4	30.4
Albania	4.9	8.9	5.4	4.3	4.2	4.3	4.4	4.3	4.5
Algeria	7.5	6.2	4.1	2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Andorra									
Angola	67.4	52.2	22.8	15.2	15.7	18.0	20.5	22.1	23.2
Antigua and Barbuda									
Argentina	2.9	3.6	3.6	3.4	3.5	3.5	3.4	3.3	3.2
Armenia	25.9	12.4	2.7	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Australia	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Austria	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Azerbaijan	16.9	4.7	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Bahamas									
Bahrain									
Bangladesh	15.5	13.7	15.2	13.7	12.8	11.9	12.1	11.8	11.9
Barbados	5.9	5.7	3.0	2.5	<2.5	2.9	3.5	3.9	3.5
Belarus	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Belgium	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Belize	5.8	5.2	5.4	5.6	4.9	4.5	4.4	4.3	4.6
Benin	17.2	11.4	9.8	10.6	11.4	11.5	10.8	10.4	10.3
Bhutan									
Bolivia (Plurinational State of)	26.4	27.5	20.1	14.9	14.5	14.5	16.9	20.3	23.0
Bosnia and Herzegovina	3.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Botswana	23.7	22.9	22.0	22.0	22.0	22.7	22.9	24.2	24.3
Brazil	10.4	6.2	3.5	<2.5	<2.5	<2.5	3.4	4.2	3.9
Brunei Darussalam									
Bulgaria	4.2	5.0	4.8	3.4	3.0	3.0	2.9	2.5	<2.5
Burkina Faso	22.7	17.3	15.1	14.0	14.5	14.4	15.1	15.1	15.4
Burundi									
Cabo Verde	14.9	11.1	14.1	15.9	15.2	14.0	13.2	12.6	12.6
Cambodia	24.1	18.0	10.7	6.2	5.1	4.6	4.9	5.0	4.6
Cameroon	22.6	15.7	6.2	5.9	6.2	6.1	5.9	5.8	5.7
Canada	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Central African Republic	38.2	38.7	24.7	21.7	21.4	21.4	21.8	22.7	23.5
Chad	38.4	34.6	25.1	26.6	28.0	29.7	31.8	33.6	35.1
Chile	3.2	3.0	3.7	3.1	3.0	2.7	<2.5	<2.5	<2.5
China	10.1	7.1	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Colombia	8.6	11.1	11.3	4.3	4.3	4.3	4.4	4.2	4.2

TABLE 38.
PREVALENCE OF UNDERNOURISHMENT (PERCENT) (CONTINUED)

COUNTRY	2000–2002	2004–2006	2009–2011	2016–2018	2017–2019	2018–2020	2019–2021	2020–2022	2021–2023
Comoros	24.9	16.6	17.3	13.1	13.1	13.4	13.9	15.7	16.9
Congo	26.9	29.1	40.5	30.2	29.8	29.1	27.8	27.1	26.8
Costa Rica	4.3	3.4	3.0	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Côte d'Ivoire	20.2	19.3	16.6	11.0	10.2	9.5	8.8	9.1	9.6
Croatia	7.0	<2.5	2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Cuba	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Cyprus	5.8	8.4	3.6	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Czechia	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Democratic People's Republic of Korea	36.0	34.5	41.6	45.8	45.3				
Democratic Republic of the Congo	30.4	31.7	29.6	32.4	32.3	33.8	35.0	35.7	37.0
Denmark	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Djibouti	41.9	30.1	19.9	12.7	12.2	11.9	11.9	12.3	12.9
Dominica	<2.5	2.7	3.8	9.4	10.1	11.9	13.4	14.0	13.4
Dominican Republic	20.5	19.3	13.5	6.0	5.8	6.3	6.2	5.8	4.6
Ecuador	20.1	21.5	11.5	10.1	11.1	12.6	13.6	14.0	13.9
Egypt	4.8	5.9	5.2	6.9	6.8	6.7	6.9	7.6	8.5
El Salvador	6.7	8.6	9.2	7.6	6.9	6.9	6.6	7.1	6.8
Equatorial Guinea									
Eritrea									
Estonia	3.6	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Eswatini	10.4	9.5	21.0	14.7	13.2	11.6	11.3	11.6	12.4
Ethiopia	46.6	37.0	21.9	15.4	17.9	20.9	23.0	23.5	22.2
Fiji	4.0	3.5	6.1	7.2	6.3	5.5	6.2	6.9	7.8
Finland	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
France	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Gabon	10.8	14.6	14.1	16.5	17.6	18.8	19.7	20.1	20.1
Gambia	17.9	17.6	8.9	13.4	14.2	15.9	17.1	19.3	20.5
Georgia	7.3	4.0	6.8	6.6	5.5	5.4	5.2	5.2	4.0
Germany	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Ghana	14.9	11.1	7.0	9.0	7.8	6.9	6.0	5.9	6.2
Greece	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Grenada									
Guatemala	22.5	19.3	15.7	14.4	14.1	14.1	13.6	13.2	12.6
Guinea	17.9	16.3	17.4	13.2	12.6	11.7	10.4	9.9	10.3
Guinea-Bissau	15.7	16.4	21.0	27.9	28.0	30.7	31.7	32.4	32.2
Guyana	6.0	6.6	8.7	3.1	3.0	2.8	2.6	<2.5	<2.5
Haiti	48.1	50.8	41.1	40.6	41.6	43.6	45.1	48.2	50.4
Honduras	21.2	21.5	15.9	13.9	13.7	14.0	15.8	18.4	20.4
Hungary	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Iceland	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
India	18.3	21.4	14.8	10.5	10.3	11.6	13.1	14.0	13.7
Indonesia	18.2	18.4	13.1	6.0	5.9	6.2	6.3	6.8	7.2
Iran (Islamic Republic of)	4.9	5.4	7.5	7.6	7.6	7.3	6.5	6.5	6.5

TABLE 38.
PREVALENCE OF UNDERNOURISHMENT (PERCENT) (CONTINUED)

COUNTRY	2000–2002	2004–2006	2009–2011	2016–2018	2017–2019	2018–2020	2019–2021	2020–2022	2021–2023
Iraq	20.1	16.5	13.7	16.6	16.4	16.1	15.8	16.0	16.1
Ireland	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Israel	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Italy	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Jamaica	7.2	7.5	8.5	7.2	6.2	6.7	7.0	7.6	7.3
Japan	<2.5	<2.5	3.2	2.7	2.6	2.8	2.9	3.2	3.4
Jordan	8.9	5.2	6.2	9.1	10.7	13.1	15.8	17.3	17.9
Kazakhstan	6.5	7.3	3.2	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Kenya	31.9	28.2	21.7	23.2	22.6	23.4	26.0	31.1	34.5
Kiribati	5.5	6.2	5.1	3.0	3.2	3.5	3.8	3.8	3.7
Kuwait	2.6	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Kyrgyzstan	14.6	8.1	7.4	5.3	4.7	4.6	5.1	5.5	6.1
Lao People's Democratic Republic	31.1	22.4	15.6	6.8	6.5	6.5	6.3	5.9	5.4
Latvia	4.7	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Lebanon	7.6	10.6	5.5	5.6	5.7	7.1	8.9	10.2	9.6
Lesotho									
Liberia	36.2	33.4	32.9	34.7	35.2	36.5	37.5	38.3	38.4
Libya	3.5	4.8	6.6	8.4	8.8	9.9	11.0	11.9	11.4
Lithuania	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Luxembourg	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Madagascar	33.9	33.5	26.9	33.3	34.6	36.0	37.6	38.9	39.7
Malawi	23.3	21.3	13.6	16.8	17.4	18.5	19.0	19.4	19.9
Malaysia	2.5	3.2	3.5	2.7	<2.5	<2.5	<2.5	<2.5	<2.5
Maldives									
Mali	16.6	13.1	6.6	4.6	4.6	4.7	4.6	7.1	9.6
Malta	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Marshall Islands									
Mauritania	8.1	9.1	7.0	6.9	6.8	7.0	7.5	8.3	9.3
Mauritius	5.8	5.2	5.2	7.0	6.8	7.2	7.2	6.7	5.9
Mexico	3.0	4.1	4.1	3.8	3.6	3.5	3.2	3.2	3.1
Micronesia (Federated States of)									
Mongolia	30.4	28.7	17.1	6.9	6.3	5.1	4.3	3.0	<2.5
Montenegro	9.8	5.6	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Morocco	5.8	4.8	4.8	3.5	3.6	4.1	5.3	6.4	6.9
Mozambique	36.8	33.7	22.2	41.1	35.3	30.9	28.3	26.3	24.8
Myanmar	38.6	29.0	11.0	3.8	3.6	3.4	4.0	4.6	5.3
Namibia	15.6	20.0	29.2	20.2	19.4	19.1	19.1	20.5	22.2
Nauru									
Nepal	23.9	17.0	10.4	5.1	5.0	5.2	5.6	5.7	5.7
Netherlands (Kingdom of the)	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
New Zealand	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Nicaragua	25.9	21.8	19.5	17.6	17.6	17.8	18.7	19.2	19.6

TABLE 38.
PREVALENCE OF UNDERNOURISHMENT (PERCENT) (CONTINUED)

COUNTRY	2000–2002	2004–2006	2009–2011	2016–2018	2017–2019	2018–2020	2019–2021	2020–2022	2021–2023
Niger	23.2	19.0	15.9	11.8	11.7	11.0	12.0	12.5	13.3
Nigeria	8.8	7.0	9.2	11.3	11.8	13.6	15.1	17.0	18.0
North Macedonia	7.5	5.0	3.6	3.2	2.9	3.1	3.0	3.1	<2.5
Norway	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Oman	13.3	10.2	6.3	7.0	6.3	5.8	5.7	5.7	5.7
Pakistan	20.7	17.0	14.9	10.6	10.8	12.8	15.8	18.9	20.7
Palau									
Panama	23.6	20.6	9.8	5.8	5.0	4.4	4.7	5.1	5.6
Papua New Guinea	26.6	27.8	29.2	27.3	27.5	27.3	27.4	27.0	27.7
Paraguay	9.9	7.0	<2.5	2.6	2.7	3.1	3.4	3.9	4.5
Peru	20.3	17.7	8.5	6.6	6.2	6.5	6.7	7.1	7.0
Philippines	18.8	14.6	13.1	7.1	6.0	5.6	5.8	6.0	5.9
Poland	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Portugal	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Qatar									
Republic of Korea	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Republic of Moldova	24.6	32.3	12.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Romania	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Russian Federation	4.1	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Rwanda	37.7	36.9	35.7	33.5	33.8	34.9	34.7	33.2	31.4
Saint Kitts and Nevis									
Saint Lucia									
Saint Vincent and the Grenadines	13.8	8.2	6.0	5.5	5.6	5.9	6.1	5.8	4.8
Samoa	3.1	2.8	4.1	4.8	4.7	4.5	4.4	5.1	5.4
San Marino									
Sao Tome and Principe	15.4	10.3	16.5	17.3	17.1	16.3	15.5	15.7	16.4
Saudi Arabia	5.0	4.5	7.8	4.2	4.3	4.3	4.0	3.5	3.0
Senegal	24.4	18.0	10.9	7.4	6.6	5.6	4.7	4.5	4.6
Serbia	3.6	2.6	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Seychelles	2.6	2.6	3.8	3.0	2.7	<2.5	<2.5	<2.5	<2.5
Sierra Leone	50.1	46.2	27.1	26.5	27.5	28.2	28.2	28.2	28.4
Singapore									
Slovakia	6.2	5.6	5.2	4.1	3.3	2.8	2.8	3.1	3.6
Slovenia	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Solomon Islands	12.6	12.0	14.2	17.5	17.5	18.4	19.4	19.9	19.4
Somalia	70.2	70.0	71.4	58.3	55.5	53.3	51.1	50.7	51.3
South Africa	3.7	3.4	4.6	5.7	5.7	6.2	6.9	7.7	8.1
South Sudan							19.6	19.3	19.6
Spain	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Sri Lanka	16.6	14.1	10.5	4.0	4.2	4.0	3.8	3.8	4.1
Sudan				10.5	10.9	10.8	11.1	11.0	11.4
Suriname	11.1	9.2	7.9	9.8	9.4	9.1	9.3	9.8	10.1
Sweden	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Switzerland	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5

TABLE 38.
PREVALENCE OF UNDERNOURISHMENT (PERCENT) (CONTINUED)

COUNTRY	2000–2002	2004–2006	2009–2011	2016–2018	2017–2019	2018–2020	2019–2021	2020–2022	2021–2023
Syrian Arab Republic	7.7	6.2	5.2	17.6	21.8	26.4	29.6	32.2	34.0
Tajikistan	40.1	38.1	24.9	12.4	10.6	9.9	9.4	9.5	8.7
Thailand	17.4	12.1	10.1	7.3	7.0	6.4	6.1	5.8	5.6
Timor-Leste	42.4	30.7	19.6	13.2	13.4	14.5	15.4	16.0	15.9
Togo	31.5	27.0	20.3	20.5	19.9	18.3	16.0	14.1	12.8
Tonga									
Trinidad and Tobago	9.6	10.8	8.1	6.9	7.0	9.1	11.2	12.8	12.6
Tunisia	4.1	4.0	3.7	3.0	2.7	2.8	3.2	3.4	3.2
Türkiye	3.9	3.8	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Türkmenistan	6.4	4.2	4.5	3.4	3.5	3.6	3.8	3.9	4.1
Tuvalu									
Uganda	21.0	18.6	20.4	38.9	38.4	37.3	37.1	36.8	36.9
Ukraine	3.0	<2.5	<2.5	2.6	3.0	3.7	4.3	5.3	5.8
United Arab Emirates	3.3	7.8	7.1	4.2	3.6	3.3	3.1	3.4	2.7
United Kingdom of Great Britain and Northern Ireland	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
United Republic of Tanzania	32.6	28.4	24.1	23.3	23.6	23.7	23.5	23.9	23.8
United States of America	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Uruguay	3.2	2.7	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Uzbekistan	18.0	14.2	3.6	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Vanuatu	6.9	6.8	6.4	7.4	7.5	7.8	8.0	8.1	7.9
Venezuela (Bolivarian Republic of)	14.1	7.8	<2.5	23.4	23.2	23.9	22.2	20.0	17.6
Viet Nam	19.5	15.3	10.5	7.0	6.6	6.0	5.5	5.2	5.2
Yemen	24.4	25.5	24.2	42.0	40.2	38.4	36.7	36.9	39.5
Zambia	50.1	49.1	42.7	30.8	30.5	31.2	32.9	34.4	35.4
Zimbabwe	32.8	29.6	26.2	36.7	38.7	39.4	39.5	38.9	38.1

Source: FAO. 2024. FAOSTAT: Suite of Food Security Indicators. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/FS>. Licence: CC-BY-4.0.

TABLE 39.
PEOPLE UNDERNOURISHED (MILLION)

COUNTRY	2000–2002	2004–2006	2009–2011	2016–2018	2017–2019	2018–2020	2019–2021	2020–2022	2021–2023
World	807.3	788.3	605.7	555.5	559.9	602.5	653.1	700.6	722.0
Africa	187.2	184.6	170.4	213.3	221.3	236.2	252.4	270.1	284.0
Asia	549.8	542.4	387.9	296.4	293.4	319.0	350.7	377.6	385.2
Latin America and the Caribbean	54.8	49.7	37.7	37.3	36.8	38.7	41.3	43.8	43.4
Northern America and Europe									
Oceania	2.0	2.3	2.6	2.9	3.0	3.0	3.1	3.2	3.3
Afghanistan	9.2	8.4	5.5	7.6	8.3	9.5	10.8	11.8	12.5
Albania	0.2	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1
Algeria	2.3	2.0	1.5	1.0					
Andorra									
Angola	11.4	10.2	5.3	4.6	4.9	5.8	6.9	7.6	8.3
Antigua and Barbuda									
Argentina	1.1	1.4	1.5	1.5	1.6	1.6	1.5	1.5	1.4
Armenia	0.8	0.4	<0.1						
Australia									
Austria									
Azerbaijan	1.4	0.4							
Bahamas									
Bahrain									
Bangladesh	20.5	19.2	22.6	22.2	20.9	19.7	20.3	19.9	20.3
Barbados	<0.1	<0.1	<0.1	<0.1		<0.1	<0.1	<0.1	<0.1
Belarus									
Belgium									
Belize	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Benin	1.2	0.9	0.9	1.2	1.4	1.4	1.4	1.4	1.4
Bhutan									
Bolivia (Plurinational State of)	2.3	2.6	2.1	1.7	1.7	1.7	2.0	2.5	2.8
Bosnia and Herzegovina	0.1								
Botswana	0.4	0.4	0.5	0.5	0.5	0.6	0.6	0.6	0.6
Brazil	18.5	11.7	7.0				7.2	9.0	8.4
Brunei Darussalam									
Bulgaria	0.3	0.4	0.4	0.2	0.2	0.2	0.2	0.2	
Burkina Faso	2.8	2.4	2.4	2.8	2.9	3.0	3.2	3.3	3.5
Burundi									
Cabo Verde	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cambodia	3.0	2.4	1.5	1.0	0.8	0.7	0.8	0.8	0.8
Cameroon	3.5	2.7	1.2	1.4	1.6	1.6	1.6	1.6	1.6
Canada									
Central African Republic	1.5	1.6	1.2	1.1	1.1	1.1	1.2	1.2	1.3
Chad	3.3	3.5	3.0	4.0	4.4	4.8	5.3	5.8	6.2
Chile	0.5	0.5	0.6	0.6	0.6	0.5			
China	132.0	94.6							
Colombia	3.4	4.7	5.1	2.1	2.1	2.1	2.2	2.2	2.2
Comoros	0.1	<0.1	0.1	<0.1	0.1	0.1	0.1	0.1	0.1

TABLE 39.
PEOPLE UNDERNOURISHED (MILLION) (CONTINUED)

COUNTRY	2000–2002	2004–2006	2009–2011	2016–2018	2017–2019	2018–2020	2019–2021	2020–2022	2021–2023
Congo	0.9	1.1	1.8	1.6	1.6	1.6	1.6	1.6	1.6
Costa Rica	0.2	0.1	0.1						
Côte d'Ivoire	3.5	3.7	3.5	2.7	2.6	2.5	2.4	2.5	2.7
Croatia	0.3		0.1						
Cuba									
Cyprus	<0.1	<0.1	<0.1						
Czechia									
Democratic People's Republic of Korea	8.5	8.3	10.3	11.7	11.6				
Democratic Republic of the Congo	15.3	18.0	19.7	27.3	28.1	30.4	32.6	34.2	36.6
Denmark									
Djibouti	0.3	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1
Dominica		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Dominican Republic	1.8	1.8	1.3	0.6	0.6	0.7	0.7	0.6	0.5
Ecuador	2.6	3.0	1.7	1.7	1.9	2.2	2.4	2.5	2.5
Egypt	3.5	4.6	4.6	7.0	7.1	7.1	7.4	8.3	9.4
El Salvador	0.4	0.5	0.6	0.5	0.4	0.4	0.4	0.4	0.4
Equatorial Guinea									
Eritrea									
Estonia	<0.1								
Eswatini	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1
Ethiopia	32.2	28.7	19.6	16.6	19.9	23.8	26.9	28.3	27.3
Fiji	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Finland									
France									
Gabon	0.1	0.2	0.2	0.4	0.4	0.4	0.5	0.5	0.5
Gambia	0.3	0.3	0.2	0.3	0.3	0.4	0.4	0.5	0.6
Georgia	0.3	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.1
Germany									
Ghana	3.0	2.5	1.8	2.7	2.4	2.2	1.9	1.9	2.1
Greece									
Grenada									
Guatemala	2.7	2.5	2.3	2.4	2.4	2.4	2.4	2.3	2.3
Guinea	1.5	1.5	1.8	1.6	1.6	1.5	1.4	1.3	1.4
Guinea-Bissau	0.2	0.2	0.3	0.5	0.5	0.6	0.6	0.7	0.7
Guyana	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Haiti	4.1	4.6	4.0	4.4	4.6	4.9	5.1	5.5	5.8
Honduras	1.5	1.6	1.3	1.3	1.3	1.4	1.6	1.9	2.1
Hungary									
Iceland									
India	197.4	246.5	183.5	141.7	141.0	160.9	182.5	196.9	194.6
Indonesia	39.5	42.2	32.0	15.7	15.7	16.6	17.1	18.6	19.9
Iran (Islamic Republic of)	3.3	3.8	5.6	6.4	6.5	6.3	5.7	5.7	5.8
Iraq	5.1	4.7	4.3	6.6	6.7	6.7	6.7	7.0	7.2

TABLE 39.
PEOPLE UNDERNOURISHED (MILLION) (CONTINUED)

COUNTRY	2000–2002	2004–2006	2009–2011	2016–2018	2017–2019	2018–2020	2019–2021	2020–2022	2021–2023
Ireland									
Israel									
Italy									
Jamaica	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Japan			4.1	3.5	3.3	3.5	3.6	3.9	4.2
Jordan	0.5	0.3	0.4	0.9	1.1	1.4	1.7	1.9	2.0
Kazakhstan	1.0	1.1	0.5						
Kenya	10.2	10.1	9.0	11.3	11.3	11.9	13.5	16.5	18.7
Kiribati	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Kuwait	<0.1								
Kyrgyzstan	0.7	0.4	0.4	0.3	0.3	0.3	0.3	0.4	0.4
Lao People's Democratic Republic	1.7	1.3	1.0	0.5	0.5	0.5	0.5	0.4	0.4
Latvia	0.1								
Lebanon	0.3	0.5	0.3	0.3	0.3	0.4	0.5	0.6	0.5
Lesotho									
Liberia	1.1	1.1	1.3	1.7	1.7	1.8	1.9	2.0	2.0
Libya	0.2	0.3	0.4	0.5	0.6	0.6	0.7	0.8	0.8
Lithuania									
Luxembourg									
Madagascar	5.7	6.3	5.8	8.7	9.3	9.9	10.6	11.2	11.8
Malawi	2.7	2.7	2.0	3.0	3.2	3.5	3.7	3.9	4.1
Malaysia	0.6	0.8	1.0	0.9					
Maldives									
Mali	1.9	1.7	1.0	0.9	0.9	1.0	1.0	1.6	2.2
Malta									
Marshall Islands									
Mauritania	0.2	0.3	0.2	0.3	0.3	0.3	0.3	0.4	0.4
Mauritius	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Mexico	3.0	4.4	4.6	4.6	4.5	4.3	4.1	4.0	3.9
Micronesia (Federated States of)									
Mongolia	0.8	0.7	0.5	0.2	0.2	0.2	0.1	0.1	
Montenegro	<0.1	<0.1							
Morocco	1.7	1.5	1.5	1.3	1.3	1.5	1.9	2.4	2.6
Mozambique	6.7	6.8	5.1	11.8	10.4	9.4	8.8	8.4	8.2
Myanmar	17.8	13.8	5.4	2.0	1.9	1.8	2.2	2.5	2.9
Namibia	0.3	0.4	0.6	0.5	0.5	0.5	0.5	0.5	0.6
Nauru									
Nepal	6.0	4.5	2.8	1.4	1.4	1.5	1.6	1.7	1.7
Netherlands (Kingdom of the)									
New Zealand									
Nicaragua	1.3	1.2	1.1	1.1	1.2	1.2	1.3	1.3	1.4
Niger	2.8	2.6	2.7	2.6	2.6	2.6	2.9	3.2	3.5
Nigeria	11.1	9.9	14.9	22.0	23.4	27.7	31.6	36.3	39.4

TABLE 39.
PEOPLE UNDERNOURISHED (MILLION) (CONTINUED)

COUNTRY	2000–2002	2004–2006	2009–2011	2016–2018	2017–2019	2018–2020	2019–2021	2020–2022	2021–2023
North Macedonia	0.2	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Norway									
Oman	0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3
Pakistan	32.9	29.7	28.9	22.9	23.8	28.7	36.0	43.7	48.8
Palau									
Panama	0.7	0.7	0.4	0.2	0.2	0.2	0.2	0.2	0.2
Papua New Guinea	1.5	1.8	2.2	2.5	2.6	2.6	2.7	2.7	2.8
Paraguay	0.5	0.4		0.2	0.2	0.2	0.2	0.3	0.3
Peru	5.5	5.0	2.5	2.1	2.0	2.1	2.2	2.4	2.4
Philippines	15.0	12.6	12.4	7.6	6.5	6.2	6.5	6.9	6.9
Poland									
Portugal									
Qatar									
Republic of Korea									
Republic of Moldova	1.0	1.3	0.5						
Romania									
Russian Federation	6.0								
Rwanda	3.1	3.3	3.7	4.1	4.2	4.5	4.6	4.5	4.3
Saint Kitts and Nevis									
Saint Lucia									
Saint Vincent and the Grenadines	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Samoa	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
San Marino									
Sao Tome and Principe	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Saudi Arabia	1.1	1.1	2.3	1.4	1.5	1.5	1.4	1.3	1.1
Senegal	2.4	2.0	1.4	1.1	1.0	0.9	0.8	0.8	0.8
Serbia	0.4	0.3							
Seychelles	<0.1	<0.1	<0.1	<0.1	<0.1				
Sierra Leone	2.4	2.6	1.7	2.0	2.2	2.3	2.3	2.4	2.4
Singapore									
Slovakia	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2
Slovenia									
Solomon Islands	<0.1	<0.1	<0.1	0.1	0.1	0.1	0.1	0.1	0.1
Somalia	6.4	7.3	8.6	8.7	8.6	8.5	8.4	8.7	9.0
South Africa	1.8	1.7	2.4	3.3	3.3	3.6	4.1	4.6	4.9
South Sudan							2.1	2.1	2.1
Spain									
Sri Lanka	3.2	2.8	2.2	0.9	0.9	0.9	0.8	0.8	0.9
Sudan				4.3	4.6	4.7	4.9	5.0	5.3
Suriname	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Sweden									
Switzerland									
Syrian Arab Republic	1.3	1.2	1.2	3.4	4.3	5.3	6.1	6.9	7.6
Tajikistan	2.6	2.6	1.9	1.1	1.0	0.9	0.9	0.9	0.9

TABLE 39.
PEOPLE UNDERNOURISHED (MILLION) (CONTINUED)

COUNTRY	2000–2002	2004–2006	2009–2011	2016–2018	2017–2019	2018–2020	2019–2021	2020–2022	2021–2023
Thailand	11.1	7.9	6.9	5.2	5.0	4.6	4.3	4.1	4.0
Timor-Leste	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Togo	1.6	1.5	1.3	1.6	1.6	1.5	1.3	1.2	1.1
Tonga									
Trinidad and Tobago	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
Tunisia	0.4	0.4	0.4	0.3	0.3	0.3	0.4	0.4	0.4
Türkiye	2.5	2.6							
Türkmenistan	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
Tuvalu									
Uganda	5.2	5.2	6.6	15.6	15.9	16.0	16.5	16.9	17.4
Ukraine	1.5			1.2	1.3	1.6	1.9	2.2	2.3
United Arab Emirates	0.1	0.3	0.6	0.4	0.3	0.3	0.3	0.3	0.3
United Kingdom of Great Britain and Northern Ireland									
United Republic of Tanzania	11.5	11.2	10.9	13.1	13.7	14.2	14.5	15.2	15.6
United States of America									
Uruguay	0.1	<0.1							
Uzbekistan	4.5	3.8	1.0						
Vanuatu	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Venezuela (Bolivarian Republic of)	3.5	2.1		7.1	6.9	7.0	6.3	5.7	5.0
Viet Nam	15.6	12.7	9.2	6.6	6.2	5.8	5.3	5.1	5.1
Yemen	4.7	5.4	6.0	12.6	12.4	12.1	11.8	12.2	13.3
Zambia	5.1	5.7	5.9	5.3	5.4	5.7	6.2	6.7	7.1
Zimbabwe	3.9	3.6	3.4	5.4	5.8	6.0	6.2	6.2	6.2

Source: FAO. 2024. FAOSTAT: Suite of Food Security Indicators. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/FS>. Licence: CC-BY-4.0.

TABLE 40.
FOOD INSECURITY LEVELS (PERCENT)

COUNTRY	PREVALENCE OF SEVERE FOOD INSECURITY				PREVALENCE OF MODERATE OR SEVERE FOOD INSECURITY			
	2014–2016	2019–2021	2020–2022	2021–2023	2014–2016	2019–2021	2020–2022	2021–2023
World	7.6	10.3	10.8	10.9	21.7	27.7	29.0	29.0
Africa	17.2	20.5	21.3	21.6	46.3	54.2	56.4	57.7
Asia	6.7	9.4	9.9	9.9	17.8	24.1	25.3	24.9
Latin America and the Caribbean	7.0	10.6	11.4	10.6	25.1	32.6	33.4	31.3
Northern America and Europe	1.3	1.1	1.3	1.5	8.8	7.3	7.9	8.2
Oceania	8.6	9.4	9.3	9.9	22.2	23.8	23.8	25.0
Afghanistan	14.8	22.6	28.4	30.6	45.1	70.1	79.1	80.9
Albania	10.0	7.7	7.5	8.2	38.8	30.9	30.2	32.2
Algeria	13.0	6.2	5.6	5.6	22.9	19.0	19.4	18.9
Andorra								
Angola		30.4	31.2	31.9		77.7	78.5	79.2
Antigua and Barbuda		7.1	7.1	7.1		33.0	33.0	33.0
Argentina	5.8	13.0	13.1	13.1	19.2	37.0	36.9	36.1
Armenia		<0.5	<0.5	<0.5		8.3	8.0	7.8
Australia	2.8	3.6	3.4	4.2	10.8	11.9	11.4	12.9
Austria	1.1	1.3	1.6	1.8	5.5	3.3	4.3	4.9
Azerbaijan	<0.5	<0.5	<0.5	0.7	5.9	9.5	10.1	12.2
Bahamas		3.4	3.4	3.4		17.2	17.2	17.2
Bahrain								
Bangladesh	13.3	10.7	11.0	11.4	32.2	31.7	31.1	30.5
Barbados		7.4	7.4	7.4		31.1	31.1	31.1
Belarus								
Belgium		1.3	1.5	2.0		4.8	5.8	7.3
Belize		6.0	5.9	5.9		42.3	45.5	45.5
Benin	10.4	14.5	15.4	15.8	55.0	61.9	62.7	63.3
Bhutan								
Bolivia (Plurinational State of)								
Bosnia and Herzegovina	1.5	2.8	3.1	2.8	9.6	12.6	13.4	13.3
Botswana	18.4	25.4	26.7	26.4	46.5	55.6	56.3	54.8
Brazil	0.7	6.3	8.5	6.6	13.3	19.4	22.1	18.4
Brunei Darussalam								
Bulgaria	1.9	2.9	3.5	2.5	14.9	15.5	15.8	14.8
Burkina Faso		6.8	7.1	7.2		40.1	40.5	40.7
Burundi				20.9				70.8
Cabo Verde		6.4	6.1	6.0		35.4	34.8	34.3
Cambodia	16.9	15.1	14.8	13.9	48.9	50.0	51.1	50.5
Cameroon	22.3	26.7	26.7	25.4	49.9	55.8	58.5	59.6
Canada		1.0	1.2	1.5		6.5	7.7	8.5
Central African Republic		61.8	61.8	61.8		81.3	81.3	81.3
Chad	32.4	36.4	35.8	36.4	67.9	74.9	75.6	76.6
Chile	2.9	3.8	3.6	3.7	10.8	17.4	18.2	17.6
China								
Colombia	4.9	5.0	5.3	5.3	20.0	30.5	31.6	30.7

TABLE 40.
FOOD INSECURITY LEVELS (PERCENT) (CONTINUED)

COUNTRY	PREVALENCE OF SEVERE FOOD INSECURITY				PREVALENCE OF MODERATE OR SEVERE FOOD INSECURITY			
	2014–2016	2019–2021	2020–2022	2021–2023	2014–2016	2019–2021	2020–2022	2021–2023
Comoros		27.4	27.4	27.4		79.7	79.7	79.7
Congo			38.3	38.3			79.9	79.9
Costa Rica	1.8	2.8	2.9	2.8	12.2	15.9	16.2	16.2
Côte d'Ivoire	6.2	9.1	9.4	8.9	34.1	40.4	41.0	39.4
Croatia	0.6	1.6	1.9	1.4	6.5	11.4	9.7	7.9
Cuba								
Cyprus								
Czechia	0.7	1.6	2.3	2.2	5.8	5.8	8.5	10.0
Democratic People's Republic of Korea								
Democratic Republic of the Congo		39.2	40.3	41.7		72.3	75.9	80.2
Denmark	1.0	1.4	1.8	1.9	5.9	5.5	6.8	7.1
Djibouti		16.5	16.5	16.5		49.2	49.2	49.2
Dominica		5.8	5.8	5.8		34.4	34.4	34.4
Dominican Republic	24.3	22.2	22.0	19.0	54.2	53.1	52.1	46.1
Ecuador	6.0	12.8	13.0	12.7	20.7	36.8	37.3	36.9
Egypt	8.4	7.1	8.8	10.4	27.8	27.3	28.5	29.8
El Salvador	13.8	14.7	16.2	15.8	42.2	46.5	48.4	46.9
Equatorial Guinea								
Eritrea								
Estonia	0.9	0.8	0.7	1.0	9.5	7.9	8.5	9.3
Eswatini		14.0	15.6	17.2		59.4	57.7	55.9
Ethiopia	14.5	19.6	21.1	19.7	56.2	56.2	58.1	59.0
Fiji		4.2	6.3	8.5		19.3	24.2	29.2
Finland	2.4	2.4	2.6	3.0	9.3	8.8	10.5	12.6
France	1.6	1.0	1.6	2.3	6.8	5.9	6.6	7.9
Gabon								
Gambia		27.1	27.0	25.5		58.0	60.7	59.0
Georgia	7.0	9.5	9.7	7.5	31.8	38.8	36.5	32.4
Germany	1.0	1.1	1.4	1.5	4.1	3.5	3.8	4.0
Ghana	5.1	5.6	7.0	8.2	38.3	36.6	38.8	42.4
Greece	2.6	1.5	1.5	1.5	15.8	6.8	6.3	6.4
Grenada		7.5	6.6	5.8		22.3	21.1	19.9
Guatemala	16.1	20.7	21.1	21.1	42.7	55.8	59.8	59.8
Guinea								
Guinea-Bissau		8.7	8.9	9.0		62.3	62.4	62.5
Guyana			4.7	4.7			25.5	25.5
Haiti		45.2	42.9	42.4		82.5	82.6	82.8
Honduras	14.2	17.9	23.5	26.9	41.6	49.9	56.1	56.0
Hungary	1.4	2.1	3.0	3.6	11.3	10.6	12.6	15.0
Iceland	1.7	1.3	1.6	1.9	6.4	6.3	6.1	7.0
India								
Indonesia	0.7	<0.5	<0.5	<0.5	6.0	5.1	4.9	4.9
Iran (Islamic Republic of)	9.5	7.7	7.4	6.4	48.0	42.4	40.8	39.9

TABLE 40.
FOOD INSECURITY LEVELS (PERCENT) (CONTINUED)

COUNTRY	PREVALENCE OF SEVERE FOOD INSECURITY				PREVALENCE OF MODERATE OR SEVERE FOOD INSECURITY			
	2014–2016	2019–2021	2020–2022	2021–2023	2014–2016	2019–2021	2020–2022	2021–2023
Iraq								
Ireland	3.4	3.2	2.4	1.6	8.9	6.5	5.4	4.2
Israel	1.3	2.0	3.1	3.4	11.0	14.2	13.2	12.2
Italy			<0.5	<0.5			2.2	2.0
Jamaica	25.3	23.1	25.6	26.6	48.3	50.3	54.4	55.1
Japan	<0.5	0.9	0.9	1.2	2.6	3.8	4.4	5.5
Jordan								
Kazakhstan		<0.5	0.5	0.6		2.8	2.4	2.2
Kenya	15.0	26.1	28.0	28.0	50.7	69.5	72.3	72.8
Kiribati		8.0	8.0	8.0		41.0	41.0	41.0
Kuwait	4.9	4.9	4.5	3.5	12.6	12.2	10.9	8.7
Kyrgyzstan		1.0	1.1	1.1		6.6	6.9	7.0
Lao People's Democratic Republic		8.3	7.2	6.2		31.8	34.1	36.3
Latvia	0.6	0.7	1.0	1.5	9.9	9.4	9.4	10.2
Lebanon		10.2	12.6	11.7		29.0	36.5	40.1
Lesotho		30.9	32.8	32.8		54.4	56.7	56.7
Liberia	38.6	37.3	37.5	37.3	79.7	80.6	81.2	81.0
Libya	11.2	20.7	21.2	19.9	29.1	39.4	39.8	37.9
Lithuania	2.5	1.9	2.1	1.3	15.3	9.8	8.5	6.1
Luxembourg	1.8	0.7	0.6	0.6	4.7	2.8	2.7	2.6
Madagascar		10.3	12.2	14.9		61.1	64.9	68.6
Malawi	47.7	51.0	52.2	53.5	78.1	81.3	82.4	81.7
Malaysia	7.8	6.3	6.0	5.8	17.4	15.4	16.0	16.7
Maldives	2.2	2.2	2.2	2.2	13.4	13.4	13.4	13.4
Mali		2.8	2.7	2.7		21.9	20.6	20.0
Malta	1.5	1.4	1.9	2.0	5.8	5.2	7.2	8.2
Marshall Islands								
Mauritania	4.6	7.2	9.5	11.6	26.3	45.3	53.7	61.2
Mauritius	5.2	9.1	10.5	10.2	13.0	28.2	32.0	31.2
Mexico	3.4	3.5	3.2	3.0	24.9	25.5	23.5	20.7
Micronesia (Federated States of)								
Mongolia		<0.5	<0.5	<0.5		6.2	5.7	5.3
Montenegro	2.1	3.4	3.3	2.5	12.6	14.0	12.9	12.3
Morocco								
Mozambique								
Myanmar		3.7	5.0	6.9		25.5	29.3	32.0
Namibia	28.8	32.6	33.0	31.9	53.2	57.9	57.7	56.8
Nauru								
Nepal	10.4	13.6	13.2	13.5	29.5	37.8	37.4	37.0
Netherlands (Kingdom of the)	1.5	1.4	1.4	1.9	5.7	4.4	4.5	5.5
New Zealand	2.8	3.5	3.3	3.8	10.0	14.5	15.1	16.4
Nicaragua								
Niger		8.3	7.7	7.5		50.2	50.2	50.3

TABLE 40.
FOOD INSECURITY LEVELS (PERCENT) (CONTINUED)

COUNTRY	PREVALENCE OF SEVERE FOOD INSECURITY				PREVALENCE OF MODERATE OR SEVERE FOOD INSECURITY			
	2014–2016	2019–2021	2020–2022	2021–2023	2014–2016	2019–2021	2020–2022	2021–2023
Nigeria	11.0	19.8	21.3	22.6	34.7	62.9	69.7	73.9
North Macedonia	3.6	6.0	6.9	4.8	15.1	20.9	24.0	20.2
Norway	1.1	1.0	1.2	1.4	4.8	4.3	5.2	6.8
Oman								
Pakistan	0.9	8.7	12.9	15.1	14.1	32.6	42.3	44.9
Palau								
Panama								
Papua New Guinea		27.0	27.0	27.0		57.3	57.3	57.3
Paraguay	1.2	5.6	6.1	6.6	8.3	25.3	25.9	26.2
Peru	13.5	20.5	20.7	20.3	37.2	50.5	51.8	51.7
Philippines		4.8	5.7	5.9		43.8	44.7	44.1
Poland	1.8	0.9	1.0	0.9	8.9	7.4	7.5	5.4
Portugal	4.1	3.2	3.9	3.3	14.7	11.6	12.4	12.3
Qatar								
Republic of Korea	<0.5	0.7	0.8	0.9	4.8	5.3	5.6	5.7
Republic of Moldova	1.6	4.9	4.8	5.3	19.3	24.9	23.5	24.7
Romania	5.6	3.7	5.7	7.1	19.3	13.4	16.3	19.1
Russian Federation	0.7	<0.5	<0.5	<0.5	8.2	5.5	4.8	4.6
Rwanda								
Saint Kitts and Nevis		6.4	5.6	5.6		26.9	29.8	29.8
Saint Lucia	4.5		4.5	4.5	22.2		22.2	22.2
Saint Vincent and the Grenadines		10.3	10.3	10.3		33.3	33.3	33.3
Samoa		3.4	3.4	3.4		23.6	23.6	23.6
San Marino								
Sao Tome and Principe		14.1	14.1	14.1		54.6	54.6	54.6
Saudi Arabia								
Senegal	7.5	5.1	4.5	4.0	39.0	31.6	30.3	29.4
Serbia	1.7	3.8	4.1	3.0	11.4	14.1	14.8	13.0
Seychelles	3.2		3.3	3.2	14.3		14.7	14.3
Sierra Leone	26.7	31.5	31.9	32.3	75.8	86.7	89.2	88.6
Singapore	1.0	0.7	1.7	2.5	2.8	4.6	6.6	7.7
Slovakia	1.1	1.6	1.8	2.0	6.2	7.7	8.3	9.0
Slovenia	0.9	0.6	0.9	0.9	12.3	7.4	7.0	7.9
Solomon Islands								
Somalia		41.7	43.4	43.5		77.4	79.5	79.7
South Africa		8.0	8.4	8.4		19.0	19.2	19.4
South Sudan		62.3	63.2	63.2		86.4	87.3	87.3
Spain	1.1	2.0	1.8	1.5	7.1	8.6	8.0	6.9
Sri Lanka	0.7	1.1	1.2	1.2	5.9	10.0	10.9	11.4
Sudan								
Suriname		7.2	7.2	7.2		35.8	35.8	35.8
Sweden	0.8	1.3	1.4	1.8	4.5	5.3	5.4	6.0
Switzerland	1.5	<0.5	0.6	1.1	4.8	2.2	2.1	2.5

TABLE 40.
FOOD INSECURITY LEVELS (PERCENT) (CONTINUED)

COUNTRY	PREVALENCE OF SEVERE FOOD INSECURITY				PREVALENCE OF MODERATE OR SEVERE FOOD INSECURITY			
	2014–2016	2019–2021	2020–2022	2021–2023	2014–2016	2019–2021	2020–2022	2021–2023
Syrian Arab Republic								
Tajikistan	4.9	7.6	8.3	6.7	19.1	30.2	31.0	28.0
Thailand		1.1	1.3	1.4		6.4	7.1	7.2
Timor-Leste		8.9	8.9	8.9		53.7	53.7	53.7
Togo	16.1	13.5	12.8	10.9	60.4	54.7	56.0	57.0
Tonga		4.8	3.7	2.6		20.4	17.6	14.8
Trinidad and Tobago		10.2	10.2	10.2		43.3	43.3	43.3
Tunisia	9.1	12.6	12.6	11.3	18.2	28.0	28.5	26.7
Türkiye								
Turkmenistan								
Tuvalu								
Uganda	21.5	23.2	24.9	23.0	66.3	72.5	74.2	71.2
Ukraine	2.0	3.2	4.3	5.3	19.8	22.7	28.2	31.0
United Arab Emirates		0.8	1.2	1.4		7.5	9.8	10.0
United Kingdom of Great Britain and Northern Ireland	1.9	1.1	1.6	2.5	6.3	3.5	4.1	5.7
United Republic of Tanzania	20.6	25.8	26.3	25.4	48.9	57.6	58.7	58.2
United States of America	1.1	0.7	0.7	0.8	10.5	8.0	8.6	9.1
Uruguay		2.5	2.9	2.9		14.1	15.2	15.7
Uzbekistan								
Vanuatu		2.4	2.4	2.4		23.3	23.3	23.3
Venezuela (Bolivarian Republic of)								
Viet Nam		0.6	1.2	2.1		7.6	9.0	10.8
Yemen					45.7	58.5	67.2	72.5
Zambia								
Zimbabwe	35.5	31.3	28.6	26.0	64.7	73.0	73.6	70.7

Source: FAO. 2024. FAOSTAT: Suite of Food Security Indicators. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/FS>. Licence: CC-BY-4.0.

TABLE 41.
FOOD INSECURITY LEVELS BY SEX (PERCENT)

COUNTRY	PREVALENCE OF SEVERE FOOD INSECURITY				PREVALENCE OF MODERATE OR SEVERE FOOD INSECURITY			
	MEN		WOMEN		MEN		WOMEN	
	2014–2016	2021–2023	2014–2016	2021–2023	2014–2016	2021–2023	2014–2016	2021–2023
World	6.4	9.1	7.1	10.4	18.7	24.9	20.4	27.3
Africa	16.2	20.7	17.2	21.3	43.9	55.9	46.2	56.9
Asia	6.0	8.5	6.7	10.4	16.4	22.5	17.5	24.9
Latin America and the Caribbean	6.3	9.2	7.4	11.6	22.7	27.2	26.7	34.4
Northern America and Europe	1.2	1.6	1.6	1.7	7.2	7.0	9.7	8.9
Oceania	7.7	9.7	7.6	8.5	19.3	23.7	21.2	22.9
Afghanistan	14.2	26.5	15.3	34.7	42.5	76.4	47.7	85.4
Albania	9.3	7.2	10.7	9.3	35.2	28.6	42.3	35.7
Algeria	11.9	7.0	14.1	4.3	21.6	20.9	24.2	16.9
Andorra								
Angola		30.4		33.3		76.2		82.2
Antigua and Barbuda		7.4		6.8		29.0		37.0
Argentina	4.9	10.4	6.6	15.7	15.8	30.5	22.6	41.7
Armenia		<0.5		<0.5		7.2		8.5
Australia	2.7	4.8	2.9	3.6	9.2	12.8	12.3	13.0
Austria	0.9	2.0	1.4	1.5	4.5	5.4	6.6	4.4
Azerbaijan	<0.5	0.7	<0.5	0.8	5.5	11.7	6.2	12.7
Bahamas		3.6		3.3		17.6		16.9
Bahrain								
Bangladesh	10.7	10.5	15.8	12.2	30.9	29.5	33.6	31.6
Barbados		6.8		8.0		28.8		33.3
Belarus								
Belgium		2.0		2.0		6.8		7.9
Belize		5.9		5.9		45.5		45.5
Benin	10.2	15.4	10.7	16.2	54.6	62.4	55.4	64.2
Bhutan								
Bolivia (Plurinational State of)								
Bosnia and Herzegovina	1.7	2.2	1.4	3.3	9.4	10.9	9.8	15.6
Botswana	16.3	24.5	20.6	28.2	43.0	52.2	49.9	57.4
Brazil	<0.5	5.2	1.0	8.0	11.3	14.8	15.3	22.0
Brunei Darussalam								
Bulgaria	2.1	1.7	1.7	3.3	13.7	11.9	16.1	17.8
Burkina Faso		7.6		6.8		42.1		39.3
Burundi		20.2		21.6		69.7		71.8
Cabo Verde		6.0		6.0		34.3		34.3
Cambodia	14.3	11.7	19.5	16.1	44.2	47.0	53.6	54.0
Cameroon	23.3	26.1	21.4	24.7	50.1	59.7	49.8	59.5
Canada		1.3		1.7		7.6		9.5
Central African Republic		61.8		61.8		81.3		81.3
Chad	31.7	36.7	33.0	36.2	66.1	76.3	69.8	77.0
Chile	2.5	3.4	3.4	4.0	9.1	15.9	12.5	19.3

TABLE 41.
FOOD INSECURITY LEVELS BY SEX (PERCENT) (CONTINUED)

COUNTRY	PREVALENCE OF SEVERE FOOD INSECURITY				PREVALENCE OF MODERATE OR SEVERE FOOD INSECURITY			
	MEN		WOMEN		MEN		WOMEN	
	2014–2016	2021–2023	2014–2016	2021–2023	2014–2016	2021–2023	2014–2016	2021–2023
China								
Colombia	4.7	5.0	5.0	5.7	18.8	27.8	21.2	35.0
Comoros		26.4		28.4		79.5		80.0
Congo		37.1		39.6		78.8		81.0
Costa Rica	1.8	2.6	1.8	3.1	11.5	13.8	12.9	18.6
Côte d'Ivoire	6.2	8.8	6.3	9.1	34.1	39.3	34.0	39.4
Croatia	0.6	1.5	0.5	1.3	6.3	7.1	6.7	8.8
Cuba								
Cyprus								
Czechia	0.7	2.2	0.7	2.3	5.3	9.0	6.4	11.0
Democratic People's Republic of Korea								
Democratic Republic of the Congo		43.1		40.3		80.7		79.6
Denmark	0.9	2.1	1.0	1.6	5.2	6.8	6.5	7.3
Djibouti		17.6		15.4		49.3		49.2
Dominica		5.8		5.8		34.4		34.4
Dominican Republic	22.8	17.1	25.8	20.8	51.3	42.7	57.2	49.5
Ecuador	5.7	11.2	6.2	14.1	19.9	33.1	21.6	40.6
Egypt	7.0	9.0	9.9	11.7	23.2	27.1	32.3	32.5
El Salvador	12.6	13.7	15.0	17.9	38.6	39.9	45.7	53.8
Equatorial Guinea								
Eritrea								
Estonia	0.9	0.8	0.8	1.1	8.6	8.5	10.3	10.2
Eswatini		17.5		16.9		55.1		56.7
Ethiopia	12.9	19.5	16.2	19.8	55.0	60.3	57.5	57.8
Fiji		8.5		8.5		29.2		29.2
Finland	2.4	3.2	2.4	2.9	8.4	11.2	10.2	14.0
France	1.5	2.1	1.6	2.4	6.5	7.7	7.1	8.1
Gabon								
Gambia		25.1		25.9		59.9		58.1
Georgia	6.5	7.4	7.4	7.6	30.4	30.3	33.2	34.5
Germany	0.8	2.0	1.1	1.0	3.4	4.7	4.7	3.4
Ghana	5.0	7.9	5.1	8.6	36.5	41.3	40.1	43.5
Greece	2.7	1.1	2.6	1.8	15.9	5.8	15.7	7.0
Grenada		5.8		5.8		19.9		19.9
Guatemala	15.3	19.6	16.8	22.6	39.9	54.0	45.4	65.6
Guinea								
Guinea-Bissau		9.0		9.0		62.5		62.5
Guyana		4.7		4.7		25.5		25.5
Haiti	47.1	40.8	50.5	44.1	81.6	81.9	83.8	83.7
Honduras	12.9	24.7	15.5	29.2	38.0	51.4	45.3	60.7
Hungary	1.4	3.2	1.4	4.0	9.5	13.1	13.1	16.9

TABLE 41.
FOOD INSECURITY LEVELS BY SEX (PERCENT) (CONTINUED)

COUNTRY	PREVALENCE OF SEVERE FOOD INSECURITY				PREVALENCE OF MODERATE OR SEVERE FOOD INSECURITY			
	MEN		WOMEN		MEN		WOMEN	
	2014–2016	2021–2023	2014–2016	2021–2023	2014–2016	2021–2023	2014–2016	2021–2023
Iceland	1.8	1.5	1.5	2.4	5.3	5.6	7.5	8.4
India								
Indonesia	0.8	<0.5	0.6	<0.5	6.0	4.9	6.0	5.0
Iran (Islamic Republic of)	10.0	6.0	9.1	6.9	48.6	39.9	47.5	39.9
Iraq								
Ireland	4.1	2.1	2.8	1.2	9.3	4.6	8.6	3.9
Israel	1.4	3.8	1.1	3.0	10.6	12.4	11.3	11.9
Italy		<0.5		<0.5		2.1		1.9
Jamaica	23.1	27.0	27.6	26.2	44.7	56.0	51.9	54.2
Japan	0.6	1.7	<0.5	0.7	3.3	6.5	2.0	4.6
Jordan								
Kazakhstan		0.6		0.5		2.3		2.2
Kenya	13.7	26.9	16.3	29.1	47.3	70.3	54.1	75.4
Kiribati		8.0		8.0		41.0		41.0
Kuwait	6.4	4.2	3.3	2.7	15.7	9.6	9.5	7.8
Kyrgyzstan		1.0		1.2		6.6		7.5
Lao People's Democratic Republic		6.1		6.3		35.8		36.8
Latvia	0.5	1.3	0.7	1.8	8.3	9.1	11.5	11.4
Lebanon		11.2		12.2		39.3		40.8
Lesotho		32.1		33.6		56.4		56.9
Liberia	37.2	34.7	40.0	39.9	78.5	78.5	81.0	83.5
Libya	9.0	18.4	13.4	21.3	24.1	35.8	34.1	40.0
Lithuania	2.5	1.0	2.5	1.7	14.6	4.8	16.1	7.4
Luxembourg	1.7	0.7	1.8	<0.5	4.1	2.6	5.2	2.6
Madagascar		14.1		15.8		66.6		70.5
Malawi	45.5	52.0	49.9	55.0	77.5	81.0	78.7	82.5
Malaysia	9.4	6.8	6.2	4.7	19.9	19.1	15.0	14.3
Maldives	2.7	2.7	1.8	1.8	13.5	13.5	13.2	13.2
Mali		2.6		2.7		20.4		19.6
Malta	1.2	1.6	1.8	2.3	4.8	6.6	6.9	9.8
Marshall Islands								
Mauritania	4.4	11.0	4.9	12.3	25.1	60.2	27.5	62.3
Mauritius	4.5	10.6	5.9	9.9	11.8	31.4	14.2	30.9
Mexico	3.1	2.4	3.8	3.6	23.8	17.1	26.1	24.3
Micronesia (Federated States of)								
Mongolia		<0.5		<0.5		4.9		5.7
Montenegro	2.1	2.6	2.2	2.4	12.2	11.8	13.1	12.7
Morocco								
Mozambique								
Myanmar		6.5		7.3		31.1		32.9
Namibia	27.1	30.4	30.6	33.3	50.6	54.8	55.7	58.7

TABLE 41.
FOOD INSECURITY LEVELS BY SEX (PERCENT) (CONTINUED)

COUNTRY	PREVALENCE OF SEVERE FOOD INSECURITY				PREVALENCE OF MODERATE OR SEVERE FOOD INSECURITY			
	MEN		WOMEN		MEN		WOMEN	
	2014–2016	2021–2023	2014–2016	2021–2023	2014–2016	2021–2023	2014–2016	2021–2023
Nauru								
Nepal	10.8	13.8	10.1	13.3	29.1	37.0	30.0	37.0
Netherlands (Kingdom of the)	1.7	1.6	1.4	2.2	5.7	4.6	5.8	6.5
New Zealand	2.0	4.3	3.6	3.3	7.7	17.5	12.3	15.2
Nicaragua								
Niger		7.3		7.6		49.8		50.8
Nigeria	12.1	22.6	10.0	22.6	35.2	73.6	34.1	74.1
North Macedonia	3.4	3.7	3.7	6.0	12.9	18.2	17.4	22.3
Norway	1.0	1.8	1.3	1.0	4.6	6.5	4.9	7.1
Oman								
Pakistan	0.7	6.9	1.1	23.3	11.8	34.5	16.3	55.2
Palau								
Panama								
Papua New Guinea		27.0		27.0		57.3		57.3
Paraguay	1.1	7.1	1.2	6.2	8.0	26.3	8.5	26.1
Peru	11.0	18.3	16.0	22.3	30.8	45.8	43.7	57.7
Philippines		6.1		5.7		44.5		43.8
Poland	1.7	0.8	1.9	0.9	7.4	4.4	10.3	6.5
Portugal	3.8	3.2	4.4	3.4	12.3	10.2	17.1	14.4
Qatar								
Republic of Korea	<0.5	1.4	<0.5	<0.5	5.4	7.0	4.2	4.4
Republic of Moldova	1.6	4.3	1.6	6.4	19.2	20.8	19.3	28.7
Romania	4.3	6.9	6.9	7.2	16.5	17.3	22.0	20.9
Russian Federation	0.6	<0.5	0.8	<0.5	7.7	4.5	8.8	4.8
Rwanda								
Saint Kitts and Nevis								
Saint Lucia	4.5	4.5	4.5	4.5	22.2	22.2	22.2	22.2
Saint Vincent and the Grenadines		10.3		10.3		33.3		33.3
Samoa		3.4		3.4		23.6		23.6
San Marino								
Sao Tome and Principe		13.8		14.4		53.0		56.2
Saudi Arabia								
Senegal	8.0	4.0	6.9	4.0	43.5	30.2	34.5	28.6
Serbia	1.9	2.4	1.6	3.5	11.1	12.3	11.7	13.8
Seychelles	3.2	3.2	3.2	3.2	14.3	14.3	14.3	14.3
Sierra Leone	26.1	32.6	27.5	32.1	74.3	88.6	77.4	88.6
Singapore	0.9	3.0	1.2	2.0	2.6	7.9	3.1	7.4
Slovakia	1.0	1.7	1.1	2.2	6.1	7.7	6.4	10.3
Slovenia	0.9	<0.5	1.0	1.5	10.1	4.9	14.6	10.9
Solomon Islands								

TABLE 41.
FOOD INSECURITY LEVELS BY SEX (PERCENT) (CONTINUED)

COUNTRY	PREVALENCE OF SEVERE FOOD INSECURITY				PREVALENCE OF MODERATE OR SEVERE FOOD INSECURITY			
	MEN		WOMEN		MEN		WOMEN	
	2014–2016	2021–2023	2014–2016	2021–2023	2014–2016	2021–2023	2014–2016	2021–2023
Somalia		43.5		43.5		79.7		79.7
South Africa		7.8		8.9		18.6		20.2
South Sudan		63.2		63.2		87.3		87.3
Spain	1.1	1.2	1.1	1.9	6.6	5.3	7.5	8.4
Sri Lanka	0.7	1.2	0.6	1.2	6.5	11.7	5.3	11.1
Sudan								
Suriname		6.2		8.2		31.3		40.4
Sweden	0.9	2.1	0.7	1.5	4.3	6.2	4.7	5.8
Switzerland	1.6	1.4	1.5	0.9	4.3	2.7	5.3	2.2
Syrian Arab Republic								
Tajikistan	4.6	6.3	5.2	7.2	17.1	26.8	21.0	29.1
Thailand		1.2		1.5		6.8		7.6
Timor-Leste		8.9		8.9		53.7		53.7
Togo	17.8	11.8	14.5	10.0	62.2	58.5	58.6	55.6
Tonga		2.6		2.6		14.8		14.8
Trinidad and Tobago		10.0		10.4		41.9		44.8
Tunisia	8.8	11.8	9.5	10.7	18.3	27.0	18.0	26.4
Türkiye								
Turkmenistan								
Tuvalu								
Uganda	22.5	22.8	20.5	23.2	68.2	71.3	64.4	71.1
Ukraine	1.6	5.2	2.4	5.4	17.2	27.1	22.5	34.8
United Arab Emirates		1.5		1.2		11.8		8.3
United Kingdom of Great Britain and Northern Ireland	0.8	2.6	2.9	2.5	3.0	5.5	9.6	5.9
United Republic of Tanzania	18.9	25.6	22.3	25.2	46.1	58.3	51.6	58.1
United States of America	1.1	0.6	1.0	1.0	9.4	7.3	11.5	10.8
Uruguay		2.4		3.3		12.7		18.7
Uzbekistan								
Vanuatu		2.4		2.4		23.3		23.3
Venezuela (Bolivarian Republic of)								
Viet Nam		1.7		2.4		9.0		12.5
Yemen					42.6	68.9	48.7	76.1
Zambia								
Zimbabwe	34.9	25.3	36.1	26.8	64.0	70.2	65.4	71.2

Source: FAO. 2024. FAOSTAT: Suite of Food Security Indicators. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/FS>.
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TABLE 42.
AVERAGE DIETARY ENERGY SUPPLY (KCAL PER CAPITA PER DAY)

COUNTRY	2010	2015	2016	2017	2018	2019	2020	2021	2022
World	2 832	2 895	2 903	2 926	2 935	2 947	2 957	2 974	2 985
Africa	2 560	2 571	2 557	2 564	2 567	2 571	2 572	2 574	2 567
Americas	3 271	3 297	3 294	3 307	3 329	3 358	3 365	3 379	3 392
Asia	2 703	2 813	2 830	2 863	2 873	2 886	2 901	2 926	2 944
Europe	3 371	3 365	3 381	3 396	3 404	3 430	3 444	3 456	3 471
Oceania	3 137	3 138	3 147	3 120	3 105	3 116	3 110	3 098	3 101
Afghanistan	2 208	2 257	2 245	2 311	2 265	2 228	2 266	2 240	2 243
Albania	3 256	3 330	3 365	3 378	3 352	3 375	3 350	3 330	3 390
Algeria	3 243	3 425	3 457	3 395	3 392	3 478	3 504	3 499	3 468
Andorra									
Angola	2 423	2 472	2 430	2 451	2 452	2 427	2 397	2 403	2 435
Antigua and Barbuda	2 328	2 410	2 396	2 435	2 475	2 455	2 428	2 443	2 458
Argentina	3 078	3 226	3 168	3 195	3 238	3 270	3 309	3 345	3 347
Armenia	3 148	3 214	3 185	3 133	3 177	3 230	3 216	3 228	3 277
Australia	3 534	3 519	3 537	3 493	3 470	3 503	3 478	3 479	3 471
Austria	3 786	3 735	3 716	3 754	3 755	3 814	3 770	3 784	3 812
Azerbaijan	2 944	3 004	3 026	3 087	3 153	3 269	3 345	3 356	3 328
Bahamas	2 575	2 545	2 550	2 567	2 597	2 552	2 561	2 600	2 620
Bahrain						3 482	3 536	3 480	3 506
Bangladesh	2 388	2 505	2 442	2 494	2 564	2 514	2 571	2 567	2 581
Barbados	3 087	3 088	3 072	3 043	3 089	3 136	3 201	3 190	3 198
Belarus	3 100	3 231	3 226	3 243	3 243	3 292	3 334	3 300	3 330
Belgium	3 728	3 817	3 781	3 793	3 801	3 849	3 859	3 898	3 909
Belize	2 765	2 704	2 721	2 767	2 770	2 811	2 839	2 801	2 815
Benin	2 601	2 636	2 642	2 642	2 633	2 687	2 725	2 773	2 786
Bhutan						3 224	3 246	3 229	3 215
Bolivia (Plurinational State of)	2 238	2 323	2 365	2 361	2 393	2 419	2 380	2 360	2 331
Bosnia and Herzegovina	3 098	3 288	3 321	3 294	3 325	3 342	3 367	3 349	3 368
Botswana	2 420	2 584	2 545	2 551	2 532	2 577	2 589	2 620	2 622
Brazil	3 258	3 243	3 223	3 237	3 275	3 282	3 252	3 299	3 305
Brunei Darussalam									
Bulgaria	2 719	2 729	2 799	2 813	2 871	2 871	2 899	2 980	3 055
Burkina Faso	2 605	2 654	2 645	2 618	2 655	2 630	2 678	2 652	2 675
Burundi	1 503	1 696	1 748	1 736	1 787	1 780	1 770	1 772	1 755
Cabo Verde	2 588	2 519	2 549	2 558	2 592	2 599	2 653	2 637	2 642
Cambodia	2 545	2 677	2 690	2 716	2 717	2 763	2 776	2 757	2 724
Cameroon	2 774	2 776	2 773	2 749	2 780	2 833	2 812	2 836	2 840
Canada	3 561	3 526	3 595	3 593	3 599	3 581	3 624	3 577	3 606
Central African Republic	2 287	2 211	2 257	2 258	2 274	2 278	2 267	2 246	2 210
Chad	2 335	2 286	2 339	2 340	2 316	2 295	2 253	2 191	2 184
Chile	2 905	2 955	2 984	2 987	3 021	3 048	3 091	3 131	3 106
China	3 048	3 235	3 222	3 256	3 273	3 301	3 319	3 395	3 441
Colombia	2 799	3 066	3 079	3 038	3 072	3 046	3 086	3 090	3 112
Comoros	2 400	2 435	2 492	2 484	2 474	2 489	2 482	2 438	2 416

TABLE 42.
AVERAGE DIETARY ENERGY SUPPLY (KCAL PER CAPITA PER DAY) (CONTINUED)

COUNTRY	2010	2015	2016	2017	2018	2019	2020	2021	2022
Congo	1 986	2 134	2 114	2 141	2 127	2 143	2 179	2 196	2 191
Costa Rica	2 838	2 885	2 972	3 007	3 003	3 020	3 025	2 986	2 942
Côte d'Ivoire	2 632	2 724	2 745	2 777	2 797	2 849	2 891	2 940	2 953
Croatia	2 950	3 043	3 144	3 090	3 144	3 183	3 219	3 271	3 317
Cuba	3 245	3 354	3 437	3 437	3 385	3 424	3 379	3 328	3 270
Cyprus	3 006	2 989	2 964	2 972	2 980	3 043	3 028	3 036	3 037
Czechia	3 266	3 134	3 260	3 302	3 305	3 345	3 359	3 387	3 426
Democratic People's Republic of Korea	2 079	2 069	2 052	2 065	2 004				
Democratic Republic of the Congo	2 235	2 198	2 151	2 192	2 172	2 162	2 095	2 117	2 150
Denmark	3 409	3 416	3 424	3 443	3 574	3 581	3 596	3 582	3 592
Djibouti	2 453	2 758	2 738	2 755	2 788	2 794	2 802	2 802	2 766
Dominica	2 985	3 033	2 987	2 956	2 930	2 982	2 954	3 022	3 013
Dominican Republic	2 603	2 803	2 897	2 938	2 999	3 050	3 100	3 149	3 228
Ecuador	2 611	2 615	2 548	2 559	2 547	2 508	2 540	2 562	2 549
Egypt	3 291	3 188	3 137	3 150	3 119	3 139	3 152	3 115	3 116
El Salvador	2 608	2 629	2 676	2 727	2 760	2 822	2 773	2 802	2 836
Equatorial Guinea									
Eritrea									
Estonia	3 235	3 134	3 107	3 105	3 200	3 253	3 247	3 252	3 298
Eswatini	2 169	2 406	2 405	2 432	2 497	2 487	2 536	2 549	2 553
Ethiopia	2 213	2 444	2 458	2 483	2 450	2 411	2 457	2 463	2 481
Fiji	2 693	2 736	2 681	2 724	2 781	2 823	2 861	2 897	2 949
Finland	3 158	3 229	3 259	3 260	3 309	3 333	3 353	3 331	3 378
France	3 557	3 470	3 513	3 519	3 509	3 535	3 566	3 577	3 595
Gabon	2 706	2 753	2 678	2 632	2 655	2 605	2 618	2 586	2 552
Gambia	2 664	2 544	2 519	2 527	2 441	2 474	2 440	2 433	2 452
Georgia	2 809	2 948	2 862	2 862	2 978	3 057	3 045	3 047	3 106
Germany	3 596	3 591	3 583	3 576	3 607	3 635	3 642	3 620	3 604
Ghana	2 931	2 797	2 775	2 868	2 950	3 011	3 042	3 114	3 102
Greece	3 531	3 407	3 353	3 391	3 393	3 421	3 371	3 393	3 398
Grenada	2 368	2 410	2 484	2 473	2 535	2 502	2 544	2 616	2 613
Guatemala	2 474	2 522	2 561	2 605	2 587	2 636	2 712	2 744	2 791
Guinea	2 453	2 642	2 661	2 696	2 755	2 813	2 860	2 905	2 913
Guinea-Bissau	2 266	2 202	2 229	2 259	2 275	2 276	2 297	2 292	2 291
Guyana	2 610	3 017	3 025	3 079	3 131	3 107	3 151	3 200	3 253
Haiti	2 152	2 216	2 167	2 175	2 130	2 114	2 099	2 075	1 978
Honduras	2 574	2 563	2 602	2 603	2 626	2 633	2 618	2 664	2 654
Hungary	3 041	3 175	3 200	3 235	3 294	3 309	3 368	3 419	3 430
Iceland	3 315	3 477	3 585	3 643	3 656	3 691	3 668	3 675	3 677
India	2 363	2 432	2 483	2 524	2 536	2 539	2 552	2 562	2 589
Indonesia	2 598	2 793	2 888	2 962	2 918	2 907	2 911	2 900	2 830
Iran (Islamic Republic of)	2 944	2 942	2 944	2 876	2 845	2 917	2 919	2 883	2 879
Iraq	2 596	2 568	2 588	2 605	2 636	2 661	2 675	2 668	2 685

TABLE 42.
AVERAGE DIETARY ENERGY SUPPLY (KCAL PER CAPITA PER DAY) (CONTINUED)

COUNTRY	2010	2015	2016	2017	2018	2019	2020	2021	2022
Ireland	3 584	3 776	3 821	3 908	3 939	3 908	3 888	3 891	3 911
Israel	3 608	3 681	3 728	3 762	3 701	3 776	3 808	3 861	3 923
Italy	3 675	3 541	3 543	3 554	3 551	3 648	3 688	3 720	3 703
Jamaica	2 762	2 831	2 780	2 858	2 889	2 916	2 840	2 871	2 928
Japan	2 655	2 684	2 682	2 701	2 672	2 732	2 674	2 675	2 693
Jordan	2 845	2 807	2 766	2 724	2 642	2 587	2 581	2 534	2 557
Kazakhstan	3 122	3 155	3 165	3 252	3 350	3 371	3 383	3 412	3 440
Kenya	2 182	2 247	2 186	2 204	2 238	2 301	2 262	2 171	2 100
Kiribati	2 959	3 113	3 097	3 067	3 092	3 125	3 083	3 111	3 096
Kuwait	3 548	3 475	3 417	3 445	3 432	3 470	3 482	3 505	3 508
Kyrgyzstan	2 675	2 723	2 678	2 729	2 766	2 763	2 733	2 712	2 761
Lao People's Democratic Republic	2 892	3 183	3 159	3 129	3 153	3 180	3 162	3 128	3 169
Latvia	3 143	3 189	3 200	3 207	3 248	3 266	3 242	3 274	3 313
Lebanon	3 090	2 924	2 929	2 926	2 924	2 889	2 890	2 907	2 926
Lesotho	2 498	2 072	2 086	2 163	2 182	1 984	1 800	1 800	1 806
Liberia	2 133	2 119	2 156	2 177	2 143	2 130	2 110	2 101	2 103
Libya	3 088	3 131	3 129	3 128	3 145	3 180	3 139	3 198	3 195
Lithuania	3 187	3 315	3 321	3 324	3 278	3 296	3 335	3 376	3 407
Luxembourg	3 469	3 380	3 366	3 379	3 407	3 513	3 477	3 470	3 483
Madagascar	2 137	2 059	2 048	2 028	2 021	1 995	1 982	1 977	1 979
Malawi	2 575	2 625	2 596	2 606	2 614	2 596	2 641	2 663	2 643
Malaysia	2 827	2 892	2 888	2 928	2 940	2 949	2 998	2 980	3 003
Maldives	2 595	2 702	2 722	2 614	2 566	2 576	2 545	2 613	2 653
Mali	2 751	2 730	2 747	2 762	2 751	2 790	2 812	2 775	2 792
Malta	3 471	3 410	3 369	3 436	3 396	3 326	3 309	3 329	3 298
Marshall Islands						2 981	3 084	3 208	3 270
Mauritania	2 831	2 907	2 887	2 906	2 941	2 951	2 962	2 965	3 000
Mauritius	3 028	2 969	2 951	2 981	2 988	3 026	3 065	3 065	3 111
Mexico	3 177	3 196	3 219	3 225	3 232	3 270	3 271	3 292	3 326
Micronesia (Federated States of)						2 761	2 750	2 764	2 755
Mongolia	2 439	2 701	2 732	2 660	2 853	2 857	2 948	3 038	3 088
Montenegro	3 368	3 363	3 420	3 451	3 460	3 463	3 471	3 547	3 574
Morocco	3 267	3 374	3 406	3 360	3 412	3 386	3 346	3 369	3 328
Mozambique	2 357	1 902	1 811	1 923	2 055	2 083	2 143	2 169	2 155
Myanmar	2 669	2 754	2 773	2 787	2 778	2 774	2 824	2 816	2 807
Namibia	2 217	2 456	2 484	2 507	2 523	2 575	2 574	2 584	2 586
Nauru						2 943	2 981	2 997	2 993
Nepal	2 530	2 711	2 804	2 829	2 812	2 845	2 900	2 936	2 931
Netherlands (Kingdom of the)	3 223	3 274	3 257	3 273	3 318	3 468	3 475	3 507	3 536
New Zealand	3 143	3 211	3 186	3 171	3 195	3 135	3 153	3 138	3 147
Nicaragua	2 488	2 497	2 573	2 600	2 576	2 609	2 625	2 668	2 694
Niger	2 541	2 562	2 591	2 565	2 641	2 596	2 644	2 507	2 631

TABLE 42.
AVERAGE DIETARY ENERGY SUPPLY (KCAL PER CAPITA PER DAY) (CONTINUED)

COUNTRY	2010	2015	2016	2017	2018	2019	2020	2021	2022
Nigeria	2 572	2 568	2 558	2 556	2 532	2 540	2 510	2 543	2 503
North Macedonia	2 976	2 980	2 998	2 985	3 031	3 083	3 124	3 142	3 148
Norway	3 569	3 459	3 418	3 418	3 487	3 533	3 533	3 511	3 505
Oman	3 176	3 050	2 987	3 060	3 075	3 084	3 085	3 032	3 064
Pakistan	2 374	2 421	2 462	2 486	2 483	2 450	2 485	2 474	2 443
Palau									
Panama	2 689	2 802	2 838	2 879	3 043	3 054	3 024	3 052	3 061
Papua New Guinea	2 124	2 188	2 204	2 213	2 194	2 195	2 229	2 190	2 223
Paraguay	3 064	3 087	3 061	3 095	3 104	3 097	3 109	3 089	3 056
Peru	2 580	2 741	2 734	2 743	2 767	2 804	2 823	2 801	2 805
Philippines	2 454	2 566	2 638	2 671	2 751	2 812	2 791	2 815	2 849
Poland	3 370	3 305	3 382	3 428	3 465	3 477	3 524	3 577	3 616
Portugal	3 511	3 465	3 407	3 436	3 467	3 485	3 501	3 525	3 510
Qatar						3 481	3 507	3 502	3 540
Republic of Korea	3 328	3 325	3 326	3 378	3 387	3 382	3 378	3 413	3 442
Republic of Moldova	2 660	2 812	2 874	2 943	3 017	3 015	2 966	2 953	2 889
Romania	3 374	3 531	3 577	3 595	3 620	3 646	3 637	3 644	3 623
Russian Federation	3 297	3 311	3 325	3 353	3 353	3 348	3 367	3 389	3 454
Rwanda	2 122	2 160	2 188	2 227	2 198	2 198	2 223	2 275	2 315
Saint Kitts and Nevis	2 624	2 746	2 833	2 912	2 871	2 831	2 882	2 865	2 867
Saint Lucia	2 594	2 602	2 619	2 652	2 651	2 669	2 719	2 717	2 721
Saint Vincent and the Grenadines	2 926	3 030	2 989	2 994	2 989	2 961	2 929	2 946	2 963
Samoa	2 875	2 964	3 006	2 985	3 037	3 053	3 049	3 075	3 063
San Marino									
Sao Tome and Principe	2 342	2 304	2 351	2 351	2 352	2 375	2 416	2 420	2 377
Saudi Arabia	2 908	3 202	3 237	3 219	3 214	3 220	3 254	3 250	3 276
Senegal	2 477	2 509	2 573	2 615	2 647	2 704	2 776	2 792	2 826
Serbia	3 219	3 335	3 322	3 335	3 387	3 463	3 518	3 576	3 612
Seychelles	2 913	2 973	3 035	3 084	3 102	3 132	3 182	3 211	3 222
Sierra Leone	2 376	2 402	2 312	2 348	2 349	2 296	2 312	2 345	2 317
Singapore									
Slovakia	2 819	2 734	2 853	2 880	2 904	3 025	3 011	2 973	2 983
Slovenia	3 221	3 197	3 183	3 204	3 194	3 148	3 128	3 084	3 094
Solomon Islands	2 431	2 390	2 395	2 416	2 413	2 401	2 352	2 311	2 306
Somalia	1 519	1 685	1 690	1 729	1 729	1 795	1 832	1 834	1 833
South Africa	2 865	2 808	2 820	2 847	2 846	2 827	2 817	2 772	2 761
South Sudan						2 341	2 376	2 414	2 415
Spain	3 200	3 221	3 300	3 319	3 369	3 372	3 377	3 401	3 375
Sri Lanka	2 489	2 691	2 757	2 755	2 773	2 763	2 838	2 860	2 802
Sudan		2 637	2 608	2 558	2 585	2 573	2 620	2 625	2 648
Suriname	2 686	2 655	2 639	2 637	2 661	2 694	2 674	2 635	2 652
Sweden	3 205	3 214	3 215	3 203	3 173	3 241	3 265	3 287	3 328
Switzerland	3 426	3 386	3 350	3 371	3 389	3 409	3 454	3 414	3 453
Syrian Arab Republic	3 109	2 830	2 716	2 657	2 558	2 518	2 456	2 426	2 387

TABLE 42.
AVERAGE DIETARY ENERGY SUPPLY (KCAL PER CAPITA PER DAY) (CONTINUED)

COUNTRY	2010	2015	2016	2017	2018	2019	2020	2021	2022
Tajikistan	2 265	2 455	2 522	2 600	2 680	2 767	2 761	2 771	2 768
Thailand	2 755	2 785	2 773	2 762	2 787	2 809	2 857	2 863	2 878
Timor-Leste	2 251	2 299	2 293	2 325	2 275	2 293	2 267	2 240	2 269
Togo	2 414	2 350	2 400	2 377	2 364	2 436	2 497	2 552	2 596
Tonga						2 988	2 967	3 001	2 966
Trinidad and Tobago	2 912	2 982	2 964	2 980	2 965	2 953	2 953	2 924	2 916
Tunisia	3 261	3 343	3 335	3 349	3 397	3 448	3 473	3 470	3 472
Türkiye	3 651	3 716	3 681	3 744	3 788	3 802	3 830	3 830	3 861
Turkmenistan	2 834	2 921	2 897	2 903	2 885	2 853	2 868	2 879	2 835
Tuvalu						2 903	2 962	2 983	2 972
Uganda	2 347	2 158	2 029	2 054	2 140	2 128	2 162	2 175	2 166
Ukraine	3 149	3 077	3 065	3 035	2 989	2 943	2 925	2 937	2 851
United Arab Emirates	2 993	3 190	3 173	3 218	3 228	3 305	3 300	3 315	3 321
United Kingdom of Great Britain and Northern Ireland	3 320	3 374	3 359	3 387	3 344	3 379	3 375	3 348	3 355
United Republic of Tanzania	2 229	2 355	2 367	2 354	2 336	2 359	2 373	2 389	2 358
United States of America	3 729	3 754	3 777	3 791	3 824	3 876	3 892	3 893	3 912
Uruguay	3 107	3 145	3 167	3 191	3 241	3 278	3 257	3 289	3 307
Uzbekistan	2 915	3 226	3 246	3 184	3 211	3 235	3 247	3 254	3 272
Vanuatu	2 850	2 808	2 807	2 844	2 833	2 799	2 802	2 796	2 786
Venezuela (Bolivarian Republic of)	2 926	2 620	2 233	2 292	2 194	2 238	2 300	2 302	2 318
Viet Nam	2 731	2 842	2 874	2 897	2 926	2 965	3 010	3 049	3 072
Yemen	2 246	2 034	1 930	1 996	1 994	2 030	2 131	2 160	2 083
Zambia	1 950	2 125	2 186	2 233	2 262	2 243	2 222	2 199	2 158
Zimbabwe	2 244	2 114	2 121	2 048	2 068	2 027	2 017	2 058	2 041

Source: FAO. 2024. FAOSTAT: Food Balances (2010-). [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/FBS>.
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TABLE 43.
CEREAL IMPORT DEPENDENCY RATIO (PERCENT)

COUNTRY	2000–2002	2004–2006	2009–2011	2015–2017	2016–2018	2017–2019	2018–2020	2019–2021	2020–2022
World	-0.5	-0.6	7.2	0.7	0.8	1.3	1.3	0.7	0.1
Africa	28.2	26.4	30.2	34.5	33.9	32.9	33.0	32.7	32.2
Asia	7.9	8.3	9.5	9.9	10.3	10.4	10.8	11.8	12.3
Latin America and the Caribbean	12.1	10.0	3.9	-6.7	-4.6	-5.8	-5.8	-6.7	-11.5
Northern America and Europe	-18.5	-19.0	-31.3	-23.0	-24.3	-23.2	-25.7	-29.1	-29.3
Oceania	-166.4	-143.8	-137.4	-144.0	-137.5	-102.3	-93.4	-122.2	-162.4
Afghanistan	34.1	19.2	29.6	37.4	43.9	43.1	39.4	37.7	42.5
Albania	47.0	50.9	44.8	45.8	45.9	46.1	47.2	46.9	44.1
Algeria	79.7	70.5	70.0	77.4	74.3	72.5	71.9	80.6	80.6
Andorra									
Angola	57.1	61.8	53.1	45.1	43.1	43.3	42.0	40.8	39.2
Antigua and Barbuda	94.5	100.0	100.0	95.4	97.9	97.9	100.0	100.0	100.0
Argentina	-172.3	-172.4	-168.2	-151.4	-166.3	-132.5	-135.9	-141.5	-138.2
Armenia	61.7	55.2	56.7	49.9	57.0	74.4	76.1	85.9	77.6
Australia	-194.9	-164.9	-159.0	-184.3	-175.6	-131.1	-127.0	-163.2	-214.8
Austria	-6.4	-4.6	7.6	16.2	16.6	18.8	19.6	20.3	19.9
Azerbaijan	29.0	38.2	41.0	36.4	33.8	32.5	31.5	32.7	33.9
Bahamas	100.0	96.7	100.0	100.0	100.0	100.0	99.4	99.4	98.9
Bahrain									
Bangladesh	9.3	9.8	9.3	12.2	13.1	12.4	12.1	13.7	15.7
Barbados	100.0	100.0	96.6	100.0	100.0	100.0	99.5	99.5	100.0
Belarus	20.0	10.9	1.6	-0.9	2.7	8.7	8.7	6.4	3.9
Belgium	56.5	46.4		67.5	70.1	67.5	67.1	66.7	68.9
Belize	34.6	32.5	20.4	18.8	16.5	19.4	20.7	19.2	15.5
Benin	13.0	31.9	31.3	53.2	50.4	47.0	42.5	43.4	46.4
Bhutan								68.4	72.0
Bolivia (Plurinational State of)	28.9	20.8	19.1	19.1	20.8	19.7	17.9	16.3	15.0
Bosnia and Herzegovina	36.3	35.1	45.4	44.5	39.3	39.1	32.9	33.4	32.2
Botswana	90.9	69.8	91.0	97.9	98.4	97.6	83.4	77.4	74.6
Brazil	13.1	5.7	-2.9	-22.0	-17.1	-25.6	-27.7	-24.6	-23.7
Brunei Darussalam	100.0	98.1							
Bulgaria	-22.1	-34.3	-74.9	-176.3	-181.8	-154.3	-247.8	-258.1	-208.0
Burkina Faso	9.0	7.4	11.7	18.4	18.9	18.6	16.1	15.6	17.1
Burundi				24.1	26.6	25.3	23.0	23.4	26.2
Cabo Verde	77.2	78.0	100.0	90.3	92.7	96.9	97.0	97.3	96.8
Cambodia	3.9	1.8	-1.3	-2.2	-2.4	-2.6	-1.8	-2.4	-2.4
Cameroon	31.2	30.9	28.7	31.0	30.7	32.8	32.8	34.8	34.9
Canada	-55.9	-62.2	-84.2	-85.3	-79.6	-84.2	-81.8	-173.8	-163.0
Central African Republic	19.4	18.6	26.4	26.8					
Chad	5.0	6.5	9.9	6.0	5.0	4.4	4.1	4.9	5.2
Chile	35.1	31.6	37.9	42.6	43.8	49.0	54.6	58.5	61.2
China	-0.7	1.6	2.0	5.0	4.5	4.2	4.7	6.9	8.8
Colombia	54.5	55.4	61.3	62.2	61.7	63.1	63.7	64.0	64.7

TABLE 43.
CEREAL IMPORT DEPENDENCY RATIO (PERCENT) (CONTINUED)

COUNTRY	2000–2002	2004–2006	2009–2011	2015–2017	2016–2018	2017–2019	2018–2020	2019–2021	2020–2022
Comoros									
Congo	100.0	89.5	90.5	84.7	91.6	93.0	97.4	93.3	88.9
Costa Rica	80.6	85.5	78.7	86.0	85.9	87.6	89.8	89.4	92.6
Côte d'Ivoire	48.5	51.7	68.6	39.8	41.7	42.7	45.9	48.4	49.0
Croatia	-4.7	3.0		-22.9	-23.2	-26.7	-39.6	-51.0	-60.9
Cuba	71.9	73.3	72.5				84.6	86.5	90.7
Cyprus	100.0	100.0	95.8	96.3	99.6	98.2	98.4	97.3	97.7
Czechia	-10.1	-26.2		-75.8	-69.4	-54.1	-42.5	-47.4	-54.7
Democratic People's Republic of Korea	45.8	27.2							
Democratic Republic of the Congo				20.7	20.7	22.2	21.6	22.4	23.0
Denmark	-14.3	-2.2	-13.3	-14.2	-9.8	-6.9	-6.2	-9.8	-8.9
Djibouti	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Dominica	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Dominican Republic	77.9	77.6	67.5	66.7	66.8	66.5	66.3	64.0	62.1
Ecuador	30.5	33.7	35.1	33.7	38.0	40.5	39.6	39.7	39.4
Egypt	34.8	30.3	44.6	47.0	51.1	50.8	49.6	44.0	43.0
El Salvador	46.6	45.6	43.1	47.2	48.5	52.3	55.8	53.8	53.9
Equatorial Guinea									
Eritrea									
Estonia	25.0	4.6		-284.7	-284.3	-121.5	-128.6	-133.0	-111.8
Eswatini	59.6	68.0	69.4	73.6	72.1	64.5	64.4	65.9	65.1
Ethiopia	10.2	6.1	11.0	8.8	9.2	8.2	9.1	10.1	10.3
Fiji	100.0	89.2	100.0	100.0	100.0	100.0	96.9	82.2	86.6
Finland	-11.8	-11.5	-29.4	-18.6	-11.7	-7.4	-8.7	-10.4	-6.2
France	-82.9	-81.0		-95.9	-99.3	-66.7	-99.7	-87.8	-102.5
Gabon	94.1	78.2	86.9	84.8	86.9	90.3	87.7	90.2	94.7
Gambia	40.2	39.4	45.6	58.9	67.2	78.2	78.9	87.0	84.9
Georgia	59.4	76.6	72.1	68.9	67.9	69.6	65.9	63.4	65.0
Germany	-24.2	-14.6		-7.5	-1.8	3.9	4.5	1.6	-0.1
Ghana	26.1	38.6	30.3	40.0	39.4	39.0	37.6	38.4	35.6
Greece	20.2	23.0		30.1	33.5	37.5	36.9	35.7	34.3
Grenada	88.2	86.4	97.7	100.0	98.1	100.0	100.0	99.7	100.0
Guatemala	44.0	50.2	43.6	48.5	49.4	53.0	54.3	55.5	54.8
Guinea	21.4	14.9	15.2	26.5	27.9	26.6	27.6	28.8	30.7
Guinea-Bissau	41.7	39.6	30.5						
Guyana	-59.4	-64.8	-26.9	-49.4	-43.9	-47.8	18.4	-25.8	-13.6
Haiti	58.0	65.2	55.8	66.7	72.9	77.6	82.9	83.6	85.7
Honduras	45.7	57.3	59.2	61.1	60.6	62.3	63.6	65.3	64.1
Hungary	-35.8	-42.4		-88.6	-72.1	-76.0	-75.8	-91.8	-90.4
Iceland				87.9	86.7	88.4	91.6	92.5	92.5
India	-3.2	-2.3	-3.1	-5.5	-5.2	-5.1	-6.2	-8.9	-12.3
Indonesia	12.8	11.7	11.4	13.7	13.7	13.8	14.6	15.3	14.1
Iran (Islamic Republic of)	37.4	18.1	36.3	36.7	37.4	39.8	44.4	47.8	53.4

TABLE 43.
CEREAL IMPORT DEPENDENCY RATIO (PERCENT) (CONTINUED)

COUNTRY	2000–2002	2004–2006	2009–2011	2015–2017	2016–2018	2017–2019	2018–2020	2019–2021	2020–2022
Iraq	75.2	58.1	56.4		62.9	59.4	50.2	46.3	57.6
Ireland	20.3	25.4		44.1	54.9	56.2	61.4	58.3	62.8
Israel	92.5	93.5	94.9	93.6	93.9	94.0	94.1	91.8	91.8
Italy	19.6	21.6		36.1	38.7	41.1	41.1	39.8	41.4
Jamaica	100.0	100.0	100.0	99.2	99.5	99.4	99.6	99.0	98.6
Japan	77.0	78.2	72.4	70.4	71.3	70.1	68.7	66.7	66.9
Jordan	94.2	96.6	91.8	100.0	100.0	100.0	100.0	99.5	98.5
Kazakhstan	-56.0	-43.7	100.0	-45.7	-68.6	-83.8	-80.7	-66.1	-47.0
Kenya	23.9	21.5	45.2	52.0	50.9	48.2	43.7	47.8	51.3
Kiribati									
Kuwait	100.0	100.0	98.1	99.1	99.4	97.3	96.6	93.5	97.1
Kyrgyzstan	9.0	14.9	25.2	20.2	19.3	22.6	21.8	26.2	24.7
Lao People's Democratic Republic	2.5	-0.5	-4.0	-2.7	-2.5	-2.3	-2.0	-1.0	-0.9
Latvia	1.7	-17.6		-154.5	-139.2	-158.0	-198.7	-219.4	-188.6
Lebanon	88.1	82.6	90.8	86.5	84.7	85.2	87.3	87.0	87.4
Lesotho	47.8	41.3	76.7	75.3	74.6	88.7	100.0	100.0	81.9
Liberia	65.3	86.1	62.1	58.8	62.1	68.6	69.5	71.8	71.9
Libya				88.8	86.1	90.2	93.0	92.5	100.0
Lithuania	-4.8	-32.3		-216.6	-222.5	-183.4	-193.9	-233.7	-194.5
Luxembourg	6.1	-2.9		18.7	18.9	17.6	23.3	31.4	38.7
Madagascar	11.3	11.6	7.6	18.2	21.0	22.4	20.7	20.7	22.1
Malawi	10.1	6.9	1.7	12.0	10.1	4.5	4.0	2.8	2.2
Malaysia	80.2	86.3	72.4	72.2	74.8	76.5	76.4	76.5	76.5
Maldives	100.0	100.0	100.0						93.6
Mali	8.6	9.6	5.1	6.0	5.8	5.6	5.3	6.6	7.1
Malta	100.0	82.4		90.1	93.8	97.3	100.0	100.0	100.0
Marshall Islands								84.8	72.6
Mauritania	64.7	64.4	79.7				62.1	59.5	57.3
Mauritius	99.4	96.2	100.0	93.8	95.2	89.7	94.6	93.2	94.9
Mexico	35.4	35.8	31.9	32.3	33.8	37.6	38.8	39.1	37.6
Micronesia (Federated States of)									98.6
Mongolia	69.1	68.0	36.5	55.6	43.9	43.7	36.9	34.8	36.2
Montenegro			99.7	95.5	93.7	91.7	92.6	94.6	96.2
Morocco	52.1	39.1	39.8	57.5	60.5	53.1	69.6	70.1	73.8
Mozambique	28.1	42.2	30.0	55.3	51.7	50.9	49.7	51.6	50.7
Myanmar	-5.4	-1.5	-0.9	-5.0	-4.3	-9.5	-10.1	-11.3	-12.8
Namibia	56.2	58.1	78.1	80.6	82.4	85.4	81.2	79.1	75.2
Nauru									
Nepal	1.6	1.9	4.6	15.2	16.0	15.5	16.8	20.1	20.3
Netherlands (Kingdom of the)	72.1	77.2		86.5	87.9	88.0	88.4	89.1	89.7
New Zealand	31.1	38.2	29.0	43.4	45.5	49.5	47.7	46.2	46.6
Nicaragua	27.4	29.2	32.0	41.4	41.4	41.9	44.6	46.1	49.2
Niger	9.4	9.9	9.5	8.6	7.2	11.4	16.1	23.0	24.6

TABLE 43.
CEREAL IMPORT DEPENDENCY RATIO (PERCENT) (CONTINUED)

COUNTRY	2000–2002	2004–2006	2009–2011	2015–2017	2016–2018	2017–2019	2018–2020	2019–2021	2020–2022
Nigeria	15.2	16.1	22.2	18.0	16.8	17.8	17.4	18.4	17.8
North Macedonia	28.1	22.2		33.0	29.9	31.0	27.4	26.4	25.5
Norway	28.8	27.9	54.6	69.2	75.0	76.4	77.0	73.6	74.4
Oman	100.0	90.2	91.0	95.1	98.0	94.6	92.4	87.7	86.6
Pakistan	-9.2	-9.4	-18.7	-17.1	-17.7	-19.1	-17.5	-12.3	-9.5
Palau									
Panama	63.6	64.4	66.4	72.7	70.3	68.1	66.4	64.6	64.0
Papua New Guinea				79.3	92.3	100.0	100.0	98.1	95.3
Paraguay	-18.2	-125.2	-134.3	-113.5	-62.1	-70.2	-72.9	-86.1	-476.4
Peru	44.7	48.0	46.3	51.7	53.1	54.5	54.4	54.3	53.0
Philippines	25.5	21.7	20.9	21.6	23.7	27.7	30.3	31.2	30.8
Poland	4.8	0.2	0.6	-15.5	-11.5	-9.0	-14.3	-19.9	-22.5
Portugal	67.7	77.0	79.4	75.0	77.8	78.8	78.5	78.0	80.0
Qatar								98.4	99.8
Republic of Korea	73.4	74.6	74.4	74.0	74.8	75.3	77.0	76.9	77.9
Republic of Moldova	-9.6	-10.2	-12.6	-40.1	-41.8	-45.2	-69.5	-66.1	100.0
Romania	0.6	-0.8		-50.7	-38.7	-38.0	-49.8	-61.5	-81.8
Russian Federation	-3.5	-10.2		-41.9	-67.0	-71.6	-72.5	-47.3	-35.2
Rwanda	20.1	21.5	27.6	44.9	45.9	44.1	40.3	36.9	37.2
Saint Kitts and Nevis									
Saint Lucia	100.0	100.0	100.0	94.5	100.0	100.0	100.0	92.7	97.2
Saint Vincent and the Grenadines	100.0	82.9	100.0	100.0	100.0	100.0	93.8	87.4	92.6
Samoa									
San Marino									
Sao Tome and Principe									
Saudi Arabia	73.1	74.5		89.8	95.4	94.8	94.4	93.2	94.7
Senegal	53.1	54.7	52.4	48.7	47.8	46.2	45.4	45.7	45.4
Serbia				-63.9	-54.1	-61.0	-51.8	-59.4	-53.9
Seychelles									
Sierra Leone	36.3	21.8	19.2	41.0	40.1	40.8	40.4	33.7	31.0
Singapore									
Slovakia	-4.3	-34.2	-28.2	-94.3	-74.3	-63.0	-40.8	-53.3	-87.1
Slovenia	41.0	46.9		51.1	49.6	45.9	37.5	32.1	32.4
Solomon Islands	85.8	96.1	97.9						100.0
Somalia				94.5	91.5	87.3	88.7	88.7	88.5
South Africa	6.7	10.2	7.6	24.6	22.7	16.8	14.8	10.1	2.6
South Sudan								23.6	23.4
Spain	26.6	36.3		40.2	39.6	43.5	38.0	36.4	38.6
Sri Lanka	36.7	37.2	22.5	32.3	35.2	36.1	22.3	18.7	25.6
Sudan				29.4	22.9	26.1	27.5	31.9	28.2
Suriname	8.1	21.6	-1.7	-6.5	-11.6	-13.5	-14.9	-17.5	-8.5
Sweden	-24.2	-22.8		-25.0	-18.9	-9.4	-12.9	-17.2	-19.3
Switzerland	38.6	40.8		64.0	64.1	61.9	61.1	61.9	62.3
Syrian Arab Republic				39.7	53.0	44.5	38.7	34.2	45.5

TABLE 43.
CEREAL IMPORT DEPENDENCY RATIO (PERCENT) (CONTINUED)

COUNTRY	2000–2002	2004–2006	2009–2011	2015–2017	2016–2018	2017–2019	2018–2020	2019–2021	2020–2022
Tajikistan	35.9	44.2	43.3	45.9	48.3	49.0	50.9	49.2	49.7
Thailand	-39.9	-46.0	-45.0	-48.2	-53.0	-50.3	-29.5	-12.9	-11.2
Timor-Leste	33.2	24.9	30.7	36.4	44.9	44.1			
Togo	14.1	18.3	15.4	19.7	20.4	20.8	22.7	24.4	29.1
Tonga									99.0
Trinidad and Tobago	94.6	97.1	95.2	96.5	97.4	97.9	98.8	98.6	97.0
Tunisia	70.1	55.8	57.7	74.4	72.9	66.4	67.8	67.9	72.0
Türkiye	1.1	-4.8	8.5	30.8	33.1	36.3	36.8	39.9	38.4
Turkmenistan				7.0	12.4	15.0	15.8	12.7	17.7
Tuvalu									
Uganda	5.9	15.8	9.2	6.0	6.1	9.0	9.5	12.3	14.4
Ukraine	-23.5	-38.0	-66.0	-206.5	-201.5	-242.3	-300.1	-282.5	-361.9
United Arab Emirates	100.0	100.0	94.9	92.3	97.6	100.0	100.0	96.6	97.5
United Kingdom of Great Britain and Northern Ireland	-2.8	-1.6		15.3	19.8	21.2	25.3	25.1	26.8
United Republic of Tanzania	9.4	12.6	11.5	6.6	3.7	3.4	2.0	0.5	-0.9
United States of America	-31.6	-30.6		-19.7	-21.6	-21.6	-21.7	-22.2	-23.1
Uruguay	-81.3	-94.0	-282.4	-75.7	-72.8	-62.1	-68.6	-73.1	-81.9
Uzbekistan	13.2	5.8	19.3	25.7	31.8	33.3	34.2	28.7	27.9
Vanuatu	96.4	97.1	92.4	90.0	89.6	100.0	100.0	100.0	96.9
Venezuela (Bolivarian Republic of)	49.6	37.7	52.8	65.0	61.4	64.8	61.1	62.5	57.0
Viet Nam	-12.0	-13.1	-15.1	8.7	11.9	11.4	13.4	14.0	14.0
Yemen	80.5	84.4	88.2	95.0	98.1	96.1	94.8	88.5	92.8
Zambia	9.0	9.0	-6.4	-22.9	-8.9	-1.1	0.5	-1.3	-9.8
Zimbabwe	11.7	28.7	53.6	55.8	42.3	38.5	43.1	44.1	33.5

Source: FAO. 2024. FAOSTAT: Suite of Food Security Indicators. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/FS>. Licence: CC-BY-4.0.

TABLE 44.
DIETARY ENERGY SUPPLY BY COMMODITY GROUP, 2022 (KCAL PER CAPITA PER DAY)

COUNTRY	CEREALS	FATS AND OILS	SUGAR	FRUIT AND VEGETABLES	ROOTS, TUBERS AND PULSES	MEAT	DAIRY AND EGGS (EXCL BUTTER)	BEVERAGES AND OTHER	FISH AND SEAFOOD
World	1 279	447	240	228	227	219	200	105	39
Africa	1 171	323	155	165	520	89	73	55	17
Americas	960	675	460	208	180	408	325	154	23
Asia	1 433	394	196	257	161	194	175	86	49
Europe	982	692	377	199	151	355	428	246	40
Oceania	703	640	347	223	237	404	241	268	36
Afghanistan	1 574	261	85	96	71	37	87	29	1
Albania	943	374	245	571	138	264	669	171	17
Algeria	1 630	573	290	384	170	97	279	41	6
Andorra									
Angola	684	305	96	168	924	125	24	85	25
Antigua and Barbuda	618	407	215	268	80	388	184	203	96
Argentina	1 050	573	371	142	158	592	313	135	12
Armenia	1 116	447	306	312	155	323	465	141	11
Australia	669	772	423	181	163	479	356	389	40
Austria	902	1 135	382	223	99	347	422	275	27
Azerbaijan	1 431	435	294	259	178	218	317	192	4
Bahamas	504	379	304	315	42	499	227	300	49
Bahrain	1 108	658	481	277	135	418	185	212	35
Bangladesh	1 770	207	78	89	163	21	149	55	52
Barbados	868	459	541	191	177	360	224	284	96
Belarus	807	576	360	209	288	454	320	294	21
Belgium	712	1 113	499	228	211	305	588	215	38
Belize	1 034	656	355	64	72	253	142	219	22
Benin	992	459	88	87	822	81	24	205	28
Bhutan	1 977	453	146	88	172	80	139	146	14
Bolivia (Plurinational State of)	971	161	268	160	215	351	96	106	4
Bosnia and Herzegovina	1 180	290	289	416	199	241	344	396	12
Botswana	1 223	322	260	78	120	121	183	311	4
Brazil	897	736	379	166	231	452	319	110	14
Brunei Darussalam									
Bulgaria	979	744	320	159	62	279	315	184	15
Burkina Faso	1 523	332	55	114	337	140	46	109	21
Burundi	291	73	61	158	1 092	19	11	43	5
Cabo Verde	1 324	326	210	104	170	188	157	149	14
Cambodia	1 441	167	98	44	664	76	15	126	94
Cameroon	1 138	374	134	247	713	75	30	97	33
Canada	858	976	434	217	226	361	307	196	31
Central African Republic	369	690	76	96	685	193	27	72	
Chad	1 120	399	97	17	193	286	49	9	12
Chile	1 112	384	460	142	121	416	200	248	22
China	1 603	393	89	450	157	415	140	114	79
Colombia	886	448	592	283	217	299	265	105	18

TABLE 44.
DIETARY ENERGY SUPPLY BY COMMODITY GROUP, 2022 (KCAL PER CAPITA PER DAY) (CONTINUED)

COUNTRY	CEREALS	FATS AND OILS	SUGAR	FRUIT AND VEGETABLES	ROOTS, TUBERS AND PULSES	MEAT	DAIRY AND EGGS (EXCL BUTTER)	BEVERAGES AND OTHER	FISH AND SEAFOOD
Comoros	992	388	146	198	470	113	38	37	35
Congo	474	306	141	86	808	219	14	101	42
Costa Rica	855	515	447	161	136	246	390	153	41
Côte d'Ivoire	1 123	330	126	166	954	72	18	123	39
Croatia	819	646	428	268	88	404	352	277	35
Cuba	1 199	305	474	300	389	316	140	135	12
Cyprus	1 043	491	255	164	84	311	380	278	32
Czechia	677	963	355	161	137	347	353	413	19
Democratic People's Republic of Korea									
Democratic Republic of the Congo	338	147	34	110	1 466	21	7	18	7
Denmark	850	599	495	198	136	292	613	355	52
Djibouti	1 425	412	362	98	179	76	80	125	8
Dominica	451	254	270	548	393	387	246	413	51
Dominican Republic	755	532	418	712	175	249	249	123	15
Ecuador	926	600	284	125	72	241	214	77	11
Egypt	1 955	254	255	258	93	134	108	17	40
El Salvador	1 304	288	331	169	212	179	230	106	15
Equatorial Guinea									
Eritrea									
Estonia	596	575	363	182	170	315	660	417	20
Eswatini	1 266	269	330	99	176	136	98	170	8
Ethiopia	1 725	206	77	37	266	36	64	69	1
Fiji	870	515	425	159	463	235	95	133	53
Finland	1 040	395	333	170	157	375	588	262	57
France	914	739	372	209	103	404	454	347	52
Gabon	911	249	154	286	430	286	44	131	59
Gambia	1 257	384	526	24	32	95	53	42	38
Georgia	1 381	314	385	140	99	184	370	214	20
Germany	743	907	457	202	114	304	544	307	27
Ghana	822	312	124	330	1 298	82	15	67	51
Greece	798	794	344	294	137	315	453	232	32
Grenada	496	422	313	224	112	347	251	382	65
Guatemala	1 192	296	565	218	136	185	121	71	6
Guinea	1 218	462	186	219	669	66	43	25	23
Guinea-Bissau	1 370	437	26	89	180	81	39	65	5
Guyana	1 090	198	334	583	204	326	215	256	45
Haiti	986	191	222	167	197	99	14	90	10
Honduras	1 099	526	410	89	134	164	132	92	10
Hungary	880	956	441	172	77	337	311	246	12
Iceland	982	521	347	208	79	482	557	333	168
India	1 331	361	212	165	203	25	217	56	18
Indonesia	1 307	584	307	163	180	81	93	29	85
Iran (Islamic Republic of)	1 474	400	308	267	88	137	102	77	24

TABLE 44.
DIETARY ENERGY SUPPLY BY COMMODITY GROUP, 2022 (KCAL PER CAPITA PER DAY) (CONTINUED)

COUNTRY	CEREALS	FATS AND OILS	SUGAR	FRUIT AND VEGETABLES	ROOTS, TUBERS AND PULSES	MEAT	DAIRY AND EGGS (EXCL BUTTER)	BEVERAGES AND OTHER	FISH AND SEAFOOD
Iraq	1 536	385	220	185	151	88	46	70	5
Ireland	881	632	455	185	148	511	751	311	36
Israel	1 140	797	372	343	119	480	386	243	44
Italy	1 039	880	367	215	139	328	461	220	52
Jamaica	895	402	414	246	291	264	189	173	54
Japan	989	535	278	131	70	258	193	143	95
Jordan	1 047	534	374	136	93	163	140	60	9
Kazakhstan	854	576	312	290	284	356	575	186	8
Kenya	941	224	251	149	282	58	161	29	5
Kiribati	995	1 013	440	141	36	201	55	66	148
Kuwait	1 345	510	339	357	130	365	232	202	28
Kyrgyzstan	1 078	185	202	205	286	210	434	158	3
Lao People's Democratic Republic	1 588	151	210	325	546	172	22	102	55
Latvia	807	717	378	152	102	376	404	315	62
Lebanon	1 083	492	471	223	151	176	185	137	10
Lesotho	1 062	113	132	40	145	74	153	83	4
Liberia	1 094	249	77	88	403	111	12	58	10
Libya	1 202	585	351	317	87	207	215	187	45
Lithuania	982	439	386	160	130	410	552	288	60
Luxembourg	938	408	291	204	83	462	473	578	46
Madagascar	1 284	82	140	65	325	28	34	14	7
Malawi	1 311	142	110	282	558	172	24	25	18
Malaysia	1 151	617	402	135	88	289	150	80	93
Maldives	1 065	188	239	217	66	158	269	292	157
Mali	1 947	204	88	200	154	37	82	67	14
Malta	1 117	505	454	200	78	280	350	253	60
Marshall Islands	1 006	1 013	207	115	21	511	123	188	84
Mauritania	1 664	266	430	96	109	166	230	23	16
Mauritius	1 250	598	343	123	138	259	192	152	56
Mexico	1 330	455	401	212	116	375	279	130	26
Micronesia (Federated States of)	716	909	247	67	313	287	46	75	96
Mongolia	905	371	169	93	111	721	471	246	3
Montenegro	1 125	321	296	236	93	463	657	361	22
Morocco	1 891	367	328	236	124	147	100	100	33
Mozambique	991	245	92	71	634	56	6	35	25
Myanmar	1 768	367	173	138	117	98	28	30	88
Namibia	1 079	286	323	78	356	142	114	187	22
Nauru	647	642	493	117	147	500	210	194	45
Nepal	1 687	362	106	183	298	67	124	96	7
Netherlands (Kingdom of the)	748	628	445	278	151	347	698	208	33
New Zealand	959	526	479	202	106	396	216	220	40
Nicaragua	1 309	256	368	92	193	137	248	80	10
Niger	1 485	367	59	152	430	37	77	21	4

TABLE 44.
DIETARY ENERGY SUPPLY BY COMMODITY GROUP, 2022 (KCAL PER CAPITA PER DAY) (CONTINUED)

COUNTRY	CEREALS	FATS AND OILS	SUGAR	FRUIT AND VEGETABLES	ROOTS, TUBERS AND PULSES	MEAT	DAIRY AND EGGS (EXCL BUTTER)	BEVERAGES AND OTHER	FISH AND SEAFOOD
Nigeria	961	421	82	166	768	39	17	35	14
North Macedonia	996	541	358	380	158	214	262	228	14
Norway	1 094	587	309	185	219	347	351	325	85
Oman	726	544	285	623	129	203	343	161	50
Pakistan	1 092	404	334	73	93	91	340	14	3
Palau									
Panama	1 208	538	255	242	100	318	177	192	32
Papua New Guinea	613	385	106	369	438	258	8	30	15
Paraguay	1 184	417	182	131	604	166	191	169	12
Peru	1 029	281	200	253	445	271	168	109	50
Philippines	1 710	263	230	194	61	187	48	101	55
Poland	1 031	673	488	170	192	408	437	194	24
Portugal	967	661	252	234	138	447	348	381	82
Qatar	1 345	548	280	317	165	373	227	245	40
Republic of Korea	1 119	757	475	224	52	377	99	208	131
Republic of Moldova	954	429	406	250	176	182	260	203	31
Romania	1 250	614	309	218	124	305	492	299	15
Russian Federation	1 215	543	401	169	186	366	356	172	45
Rwanda	576	163	136	389	935	32	31	43	11
Saint Kitts and Nevis	729	597	455	155	136	398	151	183	64
Saint Lucia	826	316	390	143	144	500	109	227	64
Saint Vincent and the Grenadines	699	391	285	302	264	539	165	278	40
Samoa	918	592	349	248	232	463	78	84	98
San Marino									
Sao Tome and Principe	1 040	350	195	404	120	97	33	93	45
Saudi Arabia	1 426	546	316	354	98	237	160	115	23
Senegal	1 593	547	177	128	188	106	45	13	27
Serbia	1 645	408	119	296	118	386	376	246	17
Seychelles	1 213	376	265	250	116	338	192	371	103
Sierra Leone	1 128	305	60	87	597	46	18	22	55
Singapore									
Slovakia	764	952	262	138	100	272	266	212	17
Slovenia	1 091	474	285	228	94	259	343	295	23
Solomon Islands	725	343	160	50	792	80	20	64	71
Somalia	748	170	560	33	41	57	203	18	3
South Africa	1 197	486	292	75	78	322	117	184	12
South Sudan	797	492	90	84	413	116	396	20	6
Spain	817	790	331	189	142	433	353	244	78
Sri Lanka	1 623	230	336	204	132	47	98	74	58
Sudan	1 263	433	340	174	136	106	185	8	2
Suriname	1 082	346	488	139	70	257	77	159	34
Sweden	898	683	339	164	131	332	470	259	52
Switzerland	861	734	370	204	101	337	533	285	28

TABLE 44.
DIETARY ENERGY SUPPLY BY COMMODITY GROUP, 2022 (KCAL PER CAPITA PER DAY) (CONTINUED)

COUNTRY	CEREALS	FATS AND OILS	SUGAR	FRUIT AND VEGETABLES	ROOTS, TUBERS AND PULSES	MEAT	DAIRY AND EGGS (EXCL BUTTER)	BEVERAGES AND OTHER	FISH AND SEAFOOD
Syrian Arab Republic	1 241	399	134	169	112	93	172	61	4
Tajikistan	1 336	389	188	251	118	223	202	59	2
Thailand	1 403	317	485	129	57	142	91	189	65
Timor-Leste	1 298	330	163	51	134	186	32	62	15
Togo	1 275	352	140	32	649	52	18	61	18
Tonga	710	516	197	281	259	688	118	135	62
Trinidad and Tobago	1 103	555	405	125	138	263	165	130	33
Tunisia	1 563	595	344	360	112	133	225	110	30
Türkiye	1 425	713	292	366	192	230	438	196	10
Turkmenistan	1 400	235	186	187	138	332	298	52	6
Tuvalu	1 047	573	490	172	51	315	75	151	98
Uganda	657	311	128	432	414	55	61	76	33
Ukraine	1 026	335	331	187	259	224	329	132	28
United Arab Emirates	1 197	738	235	219	234	336	198	117	47
United Kingdom of Great Britain and Northern Ireland	1 001	648	283	199	133	394	392	273	33
United Republic of Tanzania	1 004	333	114	130	541	66	94	63	14
United States of America	824	926	604	227	134	495	454	218	30
Uruguay	1 081	491	441	165	122	302	496	188	20
Uzbekistan	1 266	346	246	374	179	242	529	81	8
Vanuatu	975	806	143	146	365	176	54	56	63
Venezuela (Bolivarian Republic of)	885	410	303	169	171	159	154	49	19
Viet Nam	1 616	274	269	246	86	311	58	140	72
Yemen	1 302	179	248	83	65	72	46	84	5
Zambia	947	314	122	22	569	93	20	44	25
Zimbabwe	943	371	176	35	85	315	51	57	5

Source: FAO. 2024. FAOSTAT: Food Balances (2010-). [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/FBS>.
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TABLE 45.
AVERAGE PROTEIN SUPPLY BY ORIGIN (G PER CAPITA PER DAY)

COUNTRY	AVERAGE PROTEIN SUPPLY				AVERAGE SUPPLY OF PROTEIN OF ANIMAL ORIGIN			
	2010	2015	2020	2022	2010	2015	2020	2022
World	84.8	86.9	90.3	91.5	34.2	35.4	37.2	38.1
Africa	66.7	67.2	66.4	66.1	15.6	16.2	15.8	15.5
Asia	99.4	100.3	104.4	103.9	59.0	60.9	64.1	63.9
Latin America and the Caribbean	81.5	85.5	90.7	93.1	27.7	30.0	32.4	34.3
Northern America and Europe	108.6	108.4	111.5	112.3	64.1	63.4	67.2	68.1
Oceania	104.9	103.4	104.6	100.7	67.7	67.7	66.2	62.2
Afghanistan	65.8	64.1	63.4	61.0	12.5	12.7	11.1	9.0
Albania	109.1	114.0	115.3	119.5	57.4	60.9	60.9	65.8
Algeria	91.0	94.9	94.1	95.7	26.8	29.8	26.9	26.6
Andorra								
Angola	48.1	54.0	47.4	49.2	16.2	18.9	14.0	16.1
Antigua and Barbuda	95.8	92.7	89.0	96.2	69.8	63.5	60.5	66.2
Argentina	103.2	111.3	118.0	120.6	62.7	71.5	74.8	73.8
Armenia	97.6	109.2	107.3	109.6	42.8	51.6	52.9	56.0
Australia	123.5	120.2	124.2	116.5	84.1	84.2	83.9	76.5
Austria	110.7	108.1	109.2	111.9	69.5	66.2	66.8	67.5
Azerbaijan	90.5	91.3	97.9	97.6	29.1	33.1	36.5	38.7
Bahamas	102.4	94.2	97.8	99.7	69.5	61.7	66.1	68.4
Bahrain			112.9	107.1			66.5	59.8
Bangladesh	56.8	60.1	64.7	66.6	10.4	12.1	13.1	17.3
Barbados	102.6	105.0	109.4	110.7	56.1	59.7	62.2	64.2
Belarus	101.2	98.6	113.9	112.5	57.3	55.0	70.4	69.8
Belgium	100.0	100.3	110.3	116.3	60.0	57.5	70.9	77.0
Belize	77.5	77.9	78.6	84.9	31.9	36.4	34.1	34.9
Benin	67.3	71.3	67.9	72.5	16.3	18.9	13.1	14.4
Bhutan			78.2	76.9			18.0	18.1
Bolivia (Plurinational State of)	70.8	79.1	79.6	79.1	36.3	42.5	41.1	41.9
Bosnia and Herzegovina	97.5	105.8	108.4	109.2	32.4	38.6	39.1	41.4
Botswana	70.2	70.9	70.6	68.6	31.5	28.4	27.2	25.4
Brazil	100.4	101.7	101.4	101.3	56.1	61.6	64.4	63.9
Brunei Darussalam								
Bulgaria	83.1	85.5	85.5	90.5	43.9	44.5	48.5	50.9
Burkina Faso	77.3	75.4	93.4	93.3	12.4	11.9	20.8	17.0
Burundi	36.2	34.8	40.4	40.2	2.5	2.8	3.1	3.1
Cabo Verde	74.6	75.9	78.3	77.6	29.5	29.1	29.4	29.6
Cambodia	62.7	60.8	62.4	61.6	19.2	19.8	20.9	20.8
Cameroon	73.8	74.7	71.8	71.1	13.9	14.1	12.6	14.0
Canada	111.0	107.0	115.5	115.8	63.4	63.7	68.2	68.2
Central African Republic	60.6	61.6	66.3	61.9	20.1	21.2	23.4	19.3
Chad	78.0	78.8	79.1	77.3	22.6	25.7	27.7	28.9
Chile	94.7	97.8	104.9	101.6	48.6	54.6	56.0	56.2
China	109.0	115.6	122.0	128.0	43.5	46.1	47.7	52.1
Colombia	66.5	76.9	80.4	81.1	36.5	42.6	44.2	45.5

TABLE 45.
AVERAGE PROTEIN SUPPLY BY ORIGIN (G PER CAPITA PER DAY) (CONTINUED)

COUNTRY	AVERAGE PROTEIN SUPPLY				AVERAGE SUPPLY OF PROTEIN OF ANIMAL ORIGIN			
	2010	2015	2020	2022	2010	2015	2020	2022
Comoros	60.5	62.0	66.0	65.7	18.1	18.1	20.4	21.1
Congo	41.8	49.0	51.7	56.8	15.5	22.8	27.2	31.6
Costa Rica	77.5	76.9	87.2	87.1	41.9	44.2	51.5	52.9
Côte d'Ivoire	58.2	62.0	65.5	66.7	12.7	15.1	16.1	15.7
Croatia	85.3	93.6	102.6	108.3	48.7	56.5	63.6	70.3
Cuba	89.0	89.1	96.5	87.6	33.9	35.3	46.1	39.2
Cyprus	103.4	99.2	102.9	101.4	55.9	50.2	55.2	57.2
Czechia	99.7	95.4	95.9	97.7	61.2	57.6	61.1	62.6
Democratic People's Republic of Korea	60.0	59.4			11.0	11.7		
Democratic Republic of the Congo	31.9	31.1	29.2	29.9	4.1	4.3	3.6	4.0
Denmark	110.5	109.9	114.4	112.8	68.9	72.0	77.4	74.4
Djibouti	66.6	77.6	73.7	72.2	12.6	16.9	14.5	12.8
Dominica	95.1	93.9	97.7	100.1	56.6	51.0	56.0	55.6
Dominican Republic	62.2	67.8	78.4	83.4	31.4	36.3	39.6	44.2
Ecuador	71.8	70.2	69.6	67.8	41.7	38.7	37.5	38.8
Egypt	96.1	93.9	93.5	92.2	25.4	27.0	28.6	28.4
El Salvador	72.8	78.5	84.7	85.0	28.5	32.5	34.3	34.7
Equatorial Guinea								
Eritrea								
Estonia	103.2	107.6	107.9	110.6	57.3	67.4	76.2	76.6
Eswatini	51.1	57.3	61.8	59.6	18.5	20.5	19.8	18.3
Ethiopia	73.8	78.6	78.1	77.9	8.7	6.8	7.8	6.9
Fiji	67.9	71.9	78.7	82.9	26.9	31.7	35.7	39.2
Finland	115.3	119.8	123.1	125.4	73.1	77.9	77.7	78.2
France	120.4	117.4	121.1	119.4	79.3	76.3	79.8	78.3
Gabon	86.5	96.5	88.5	86.7	43.5	52.2	45.1	42.9
Gambia	63.6	62.1	59.4	58.9	18.1	18.3	19.2	19.7
Georgia	81.6	86.4	90.1	92.5	32.9	35.8	39.3	40.5
Germany	109.5	110.8	111.0	108.3	69.7	70.6	73.9	71.8
Ghana	63.9	62.1	66.5	67.9	14.7	15.9	17.5	17.9
Greece	115.6	106.6	101.9	108.1	67.6	59.7	61.8	66.3
Grenada	79.9	76.4	94.7	96.3	42.3	44.0	59.3	58.8
Guatemala	64.8	69.5	71.6	72.2	23.9	26.1	30.4	30.1
Guinea	51.6	53.5	58.5	56.7	10.8	11.6	14.5	12.2
Guinea-Bissau	46.9	46.1	48.0	48.6	10.2	10.8	9.6	9.1
Guyana	84.4	101.7	105.6	108.6	37.3	47.3	49.6	54.4
Haiti	50.2	52.1	49.1	44.7	10.2	12.4	13.3	11.5
Honduras	57.5	58.1	61.1	63.6	22.2	22.4	23.5	26.4
Hungary	84.4	88.7	90.5	88.4	48.3	51.3	55.7	52.9
Iceland	133.7	148.2	150.9	150.2	97.3	111.0	107.1	105.6
India	60.5	63.4	70.3	72.4	11.5	13.5	17.9	18.5
Indonesia	61.0	67.5	77.7	76.5	16.9	20.9	27.6	29.7
Iran (Islamic Republic of)	86.8	85.9	82.6	82.5	27.3	26.6	26.6	25.8

TABLE 45.
AVERAGE PROTEIN SUPPLY BY ORIGIN (G PER CAPITA PER DAY) (CONTINUED)

COUNTRY	AVERAGE PROTEIN SUPPLY				AVERAGE SUPPLY OF PROTEIN OF ANIMAL ORIGIN			
	2010	2015	2020	2022	2010	2015	2020	2022
Iraq	66.0	66.0	71.1	73.1	14.3	16.8	16.8	14.1
Ireland	113.6	119.2	126.3	138.6	67.6	74.9	82.6	97.6
Israel	126.9	128.9	134.2	138.7	72.4	76.8	80.9	81.9
Italy	121.5	112.6	115.1	115.9	71.5	63.2	68.3	70.0
Jamaica	85.0	83.7	87.9	93.1	44.8	44.5	46.7	48.2
Japan	90.6	89.5	92.2	94.6	48.8	48.2	51.3	53.8
Jordan	79.6	76.1	71.5	71.4	30.5	27.5	27.5	27.6
Kazakhstan	97.3	99.5	110.5	112.8	57.3	58.3	62.8	63.6
Kenya	57.9	61.3	57.1	54.8	17.9	16.6	14.7	14.3
Kiribati	77.2	78.5	83.9	84.1	36.6	39.8	44.4	44.6
Kuwait	120.3	109.6	113.4	114.7	64.9	55.8	58.0	59.7
Kyrgyzstan	87.6	87.1	90.1	93.7	38.2	36.2	38.9	41.0
Lao People's Democratic Republic	70.1	81.6	79.0	80.1	16.1	20.3	23.4	23.9
Latvia	105.2	104.7	105.7	108.7	63.3	58.4	66.3	71.5
Lebanon	83.6	79.2	79.1	81.8	32.8	29.5	28.7	31.2
Lesotho	65.2	55.8	50.7	47.8	13.1	19.9	18.0	15.0
Liberia	38.3	42.2	45.8	46.0	8.0	13.1	12.3	13.6
Libya	85.3	96.4	93.6	97.4	32.1	41.3	42.1	43.7
Lithuania	112.7	120.0	125.8	128.1	66.1	70.8	84.3	85.4
Luxembourg	113.3	114.5	116.8	117.9	73.6	75.4	73.0	75.5
Madagascar	44.1	42.4	39.0	39.8	7.9	7.0	5.5	5.2
Malawi	60.5	62.9	66.0	65.9	6.3	12.0	16.7	17.3
Malaysia	90.2	92.6	91.7	95.4	51.1	56.2	53.4	54.4
Maldives	115.7	114.9	93.7	101.8	74.1	70.8	48.6	56.0
Mali	82.9	77.4	78.2	74.3	23.6	17.9	10.8	9.8
Malta	109.1	113.3	105.9	100.5	62.2	64.9	62.1	57.1
Marshall Islands			108.3	114.1			62.8	70.7
Mauritania	82.0	86.3	86.1	86.9	32.7	33.0	31.5	31.4
Mauritius	91.1	93.6	95.9	99.9	40.9	44.9	47.0	49.7
Mexico	93.0	94.4	98.0	101.1	50.6	51.5	54.4	57.6
Micronesia (Federated States of)			76.5	74.2			46.2	43.9
Mongolia	84.1	106.5	128.2	135.4	47.3	72.4	91.3	99.9
Montenegro	112.8	116.9	122.2	128.6	64.7	72.4	72.8	78.8
Morocco	95.6	101.6	98.9	98.0	26.3	30.2	29.2	28.5
Mozambique	45.9	41.2	46.1	43.9	6.0	8.5	8.9	9.1
Myanmar	86.7	97.3	80.6	78.9	36.2	47.1	23.2	22.7
Namibia	63.1	67.5	70.8	67.9	25.6	24.7	25.9	23.8
Nauru			108.5	105.7			69.1	66.6
Nepal	66.7	74.0	83.5	81.8	11.5	13.3	17.7	16.9
Netherlands (Kingdom of the)	111.1	111.2	112.6	117.5	76.0	77.2	73.8	80.7
New Zealand	96.8	101.3	98.2	105.4	56.2	58.0	56.3	61.1
Nicaragua	61.2	62.8	70.1	73.4	19.9	22.5	28.0	29.8
Niger	89.9	86.8	88.7	88.5	10.9	10.6	10.7	9.0

TABLE 45.
AVERAGE PROTEIN SUPPLY BY ORIGIN (G PER CAPITA PER DAY) (CONTINUED)

COUNTRY	AVERAGE PROTEIN SUPPLY				AVERAGE SUPPLY OF PROTEIN OF ANIMAL ORIGIN			
	2010	2015	2020	2022	2010	2015	2020	2022
Nigeria	64.1	61.7	60.2	58.7	9.7	8.7	7.4	7.0
North Macedonia	82.0	85.6	92.5	92.7	35.2	35.9	40.3	39.1
Norway	132.9	125.5	129.7	127.5	71.8	68.9	69.9	69.5
Oman	94.3	93.9	92.7	88.6	49.5	49.5	50.3	51.0
Pakistan	64.9	67.5	70.2	70.1	23.5	25.7	28.4	30.3
Palau								
Panama	78.5	84.0	95.8	94.7	42.5	47.1	54.2	52.8
Papua New Guinea	65.1	66.3	63.3	63.3	37.4	36.8	32.8	32.0
Paraguay	65.9	67.6	77.2	73.7	28.6	29.4	34.7	29.3
Peru	73.8	82.5	88.6	88.0	31.6	37.4	42.0	43.0
Philippines	68.3	70.0	75.9	76.8	29.7	29.3	28.8	29.3
Poland	110.3	108.5	116.8	115.6	60.6	61.8	70.7	69.7
Portugal	122.0	117.2	116.7	121.7	77.1	75.1	75.9	81.4
Qatar			117.5	118.5			58.3	60.4
Republic of Korea	101.6	103.5	106.6	110.0	49.1	56.6	60.6	62.5
Republic of Moldova	84.1	89.0	94.1	84.5	44.0	49.4	49.0	38.5
Romania	107.3	112.9	109.4	108.6	57.8	60.1	59.7	59.9
Russian Federation	106.7	108.8	113.4	117.6	58.4	59.0	62.6	65.7
Rwanda	60.2	59.4	56.4	55.6	7.2	8.4	7.5	6.3
Saint Kitts and Nevis	94.9	95.3	98.3	94.3	61.2	62.5	62.9	58.0
Saint Lucia	96.7	100.1	101.1	107.6	59.0	63.6	59.2	71.1
Saint Vincent and the Grenadines	102.9	108.0	109.5	114.6	59.9	60.9	63.7	70.9
Samoa	96.3	104.5	105.3	101.7	60.4	66.0	63.6	63.0
San Marino								
Sao Tome and Principe	57.3	54.8	59.6	56.5	19.0	18.4	20.1	18.8
Saudi Arabia	85.8	92.7	93.7	93.4	39.0	41.1	41.4	41.6
Senegal	63.5	61.9	68.3	71.0	18.4	15.8	15.4	17.3
Serbia	108.1	114.0	122.5	126.1	49.3	51.6	57.4	59.6
Seychelles	95.1	97.9	113.9	115.9	43.8	50.6	58.9	62.8
Sierra Leone	54.4	53.6	53.6	53.7	13.8	13.6	13.8	13.3
Singapore								
Slovakia	79.0	73.6	78.6	79.2	42.5	39.3	44.9	47.2
Slovenia	109.1	104.3	104.0	99.0	65.4	58.2	58.4	54.8
Solomon Islands	59.9	59.6	59.4	58.1	17.2	18.2	19.9	19.6
Somalia	44.6	43.9	43.3	40.3	24.3	22.5	18.7	17.1
South Africa	77.4	78.6	82.8	81.2	35.7	39.3	41.1	40.1
South Sudan			73.4	74.8			28.2	30.6
Spain	110.4	109.6	115.1	117.1	72.2	72.0	77.0	78.2
Sri Lanka	62.2	71.5	74.1	70.8	15.8	19.7	19.6	18.8
Sudan		77.0	73.3	74.3		23.2	20.9	19.7
Suriname	71.1	69.1	76.8	73.0	33.2	31.2	38.9	36.3
Sweden	113.9	111.8	112.2	113.2	76.4	75.2	73.1	71.5
Switzerland	98.7	100.5	103.5	104.4	65.6	67.0	66.5	65.6

TABLE 45.
AVERAGE PROTEIN SUPPLY BY ORIGIN (G PER CAPITA PER DAY) (CONTINUED)

COUNTRY	AVERAGE PROTEIN SUPPLY				AVERAGE SUPPLY OF PROTEIN OF ANIMAL ORIGIN			
	2010	2015	2020	2022	2010	2015	2020	2022
Syrian Arab Republic	79.9	77.0	77.7	69.9	20.6	22.8	21.7	18.8
Tajikistan	61.0	72.2	83.6	84.1	14.4	21.3	28.4	28.6
Thailand	64.6	67.5	68.5	67.9	25.7	27.5	27.7	27.7
Timor-Leste	61.0	62.4	61.1	63.7	19.3	21.1	20.0	23.4
Togo	53.0	54.0	53.0	56.9	9.5	11.3	8.2	8.7
Tonga			124.1	124.1			75.7	79.2
Trinidad and Tobago	90.1	93.9	87.2	86.8	47.9	48.1	42.8	43.6
Tunisia	96.5	100.4	102.0	102.4	28.2	31.5	31.7	32.5
Türkiye	102.4	108.0	115.6	115.9	32.1	38.0	46.8	47.3
Turkmenistan	94.5	100.2	99.1	100.2	40.5	45.1	45.6	46.1
Tuvalu			96.0	90.8			56.4	49.3
Uganda	59.6	53.8	49.6	52.7	14.2	13.7	12.5	12.1
Ukraine	94.8	92.8	92.2	90.3	47.7	42.7	47.8	44.7
United Arab Emirates	76.4	90.4	112.7	115.1	28.5	40.4	57.5	57.5
United Kingdom of Great Britain and Northern Ireland	106.4	110.3	111.7	109.0	62.7	64.8	65.0	64.5
United Republic of Tanzania	54.7	58.1	56.6	58.3	10.1	11.5	13.1	13.4
United States of America	119.0	118.1	125.7	122.8	80.4	79.9	85.1	83.5
Uruguay	93.7	92.5	98.2	102.2	53.5	51.8	57.5	61.2
Uzbekistan	88.9	103.1	105.4	105.8	32.3	41.4	46.1	49.5
Vanuatu	73.8	75.4	74.2	71.8	29.6	29.6	27.7	26.9
Venezuela (Bolivarian Republic of)	83.9	69.9	60.8	63.8	48.6	41.4	28.9	30.1
Viet Nam	79.7	86.6	94.8	98.4	30.5	32.2	37.3	39.3
Yemen	63.4	56.0	58.4	57.8	13.1	12.1	13.3	12.0
Zambia	47.6	53.7	45.9	48.6	12.6	14.5	13.5	13.6
Zimbabwe	63.7	57.1	57.0	56.9	31.8	28.4	28.5	30.6

Source: FAO. 2024. FAOSTAT: Suite of Food Security Indicators. [Accessed on 15 November 2024].
<https://www.fao.org/faostat/en/#data/FS>. Licence: CC-BY-4.0.

TABLE 46.
AVERAGE DIETARY SUPPLY ADEQUACY (PERCENT)

COUNTRY	2000–2002	2004–2006	2009–2011	2016–2018	2017–2019	2018–2020	2019–2021	2020–2022	2021–2023
World	114	115	118	122	123	123	124	124	124
Africa	107	110	113	113	113	113	113	113	113
Asia	109	109	114	120	121	121	122	122	122
Latin America and the Caribbean	120	122	125	126	126	127	127	127	128
Northern America and Europe	136	138	138	140	140	141	142	142	143
Oceania	117	118	124	126	127	127	127	126	126
Afghanistan	87	93	103	107	107	106	105	105	105
Albania	122	120	130	135	136	135	135	135	134
Algeria	126	131	139	148	148	150	152	153	152
Andorra									
Angola	74	83	108	115	114	113	112	112	111
Antigua and Barbuda									
Argentina	132	127	127	132	134	135	136	137	137
Armenia	94	110	125	130	131	132	133	134	135
Australia	124	126	138	140	140	140	140	138	138
Austria	146	144	149	147	149	149	150	150	151
Azerbaijan	100	117	123	129	132	135	138	140	141
Bahamas									
Bahrain									
Bangladesh	108	110	108	109	110	110	110	111	112
Barbados	113	114	122	124	125	126	127	129	131
Belarus	122	121	126	132	133	134	135	136	138
Belgium	147	145	146	149	150	151	152	153	153
Belize	120	122	122	121	123	124	125	125	124
Benin	108	116	118	120	120	121	123	125	126
Bhutan									
Bolivia (Plurinational State of)	96	95	100	105	106	106	105	104	103
Bosnia and Herzegovina	118	125	124	132	133	134	134	135	135
Botswana	98	100	104	109	109	109	110	110	109
Brazil	122	128	133	133	133	134	134	134	136
Brunei Darussalam									
Bulgaria	111	109	110	113	114	115	116	118	121
Burkina Faso	108	115	118	120	119	119	119	120	119
Burundi									
Cabo Verde	107	112	108	106	107	108	108	109	109
Cambodia	100	104	113	118	120	122	122	122	122
Cameroon	100	107	122	124	124	125	126	126	126
Canada	140	139	141	144	143	144	144	144	145
Central African Republic	91	91	103	106	107	107	106	105	104
Chad	91	96	108	108	107	106	104	102	100
Chile	121	122	120	122	123	124	126	127	127
China	115	116	124	134	135	136	137	138	139
Colombia	123	121	120	130	129	130	130	130	131

TABLE 46.
AVERAGE DIETARY SUPPLY ADEQUACY (PERCENT) (CONTINUED)

COUNTRY	2000–2002	2004–2006	2009–2011	2016–2018	2017–2019	2018–2020	2019–2021	2020–2022	2021–2023
Comoros	99	107	106	111	111	111	111	109	108
Congo	100	98	89	96	96	96	97	97	98
Costa Rica	117	118	118	123	123	124	123	122	121
Côte d'Ivoire	117	120	120	125	126	128	130	131	132
Croatia	110	120	120	125	126	128	129	131	132
Cuba	127	135	134	139	139	139	139	136	131
Cyprus	106	102	112	117	118	119	120	120	120
Czechia	123	128	128	130	131	132	133	135	136
Democratic People's Republic of Korea	90	91	87	85	85	84	84	82	81
Democratic Republic of the Congo	102	102	104	102	102	101	100	100	99
Denmark	132	134	133	136	138	140	141	141	141
Djibouti	88	97	106	116	117	117	117	117	116
Dominica	135	129	125	111	110	109	109	110	111
Dominican Republic	100	101	109	123	125	127	129	132	134
Ecuador	100	99	110	111	110	109	109	110	110
Egypt	141	137	139	135	134	134	134	134	133
El Salvador	119	116	115	119	120	121	121	121	122
Equatorial Guinea									
Eritrea									
Estonia	116	120	127	123	125	127	129	130	131
Eswatini	112	113	101	106	107	108	109	110	110
Ethiopia	86	90	102	111	110	109	109	110	112
Fiji	123	125	118	115	117	119	120	121	122
Finland	123	125	125	129	130	131	131	130	130
France	145	142	142	141	141	142	143	144	145
Gabon	119	118	119	116	115	115	114	114	114
Gambia	106	106	119	112	111	109	109	107	105
Georgia	117	125	118	118	121	123	125	125	126
Germany	136	139	141	141	142	143	143	144	144
Ghana	113	120	130	126	129	131	134	135	135
Greece	141	140	140	134	135	135	134	134	134
Grenada									
Guatemala	103	109	114	118	119	120	122	124	125
Guinea	115	117	113	122	125	127	129	130	131
Guinea-Bissau	110	109	104	98	99	97	97	96	96
Guyana	122	120	115	133	134	135	136	139	142
Haiti	86	84	92	92	91	90	89	87	85
Honduras	106	106	113	114	114	114	115	115	115
Hungary	123	128	122	128	130	131	133	133	132
Iceland	126	133	131	141	142	142	142	142	144
India	103	100	104	109	109	109	110	110	111
Indonesia	106	107	114	127	127	126	126	124	123
Iran (Islamic Republic of)	129	127	122	122	121	122	122	122	121

TABLE 46.
AVERAGE DIETARY SUPPLY ADEQUACY (PERCENT) (CONTINUED)

COUNTRY	2000–2002	2004–2006	2009–2011	2016–2018	2017–2019	2018–2020	2019–2021	2020–2022	2021–2023
Iraq	103	108	115	115	116	117	117	117	117
Ireland	148	141	144	157	158	157	156	155	155
Israel	158	158	156	156	158	159	160	161	161
Italy	146	144	146	140	142	143	146	148	149
Jamaica	114	114	112	114	116	115	115	115	116
Japan	117	114	109	111	111	111	111	110	110
Jordan	116	125	122	116	113	111	109	108	108
Kazakhstan	116	122	130	138	141	143	144	144	144
Kenya	93	96	100	99	100	101	99	96	94
Kiribati	125	125	130	142	141	140	139	139	140
Kuwait	134	143	144	138	139	139	140	141	141
Kyrgyzstan	106	114	114	117	119	119	118	117	116
Lao People's Democratic Republic	96	99	103	116	116	116	116	115	115
Latvia	116	125	127	131	132	132	133	134	136
Lebanon	118	112	123	123	123	123	123	123	124
Lesotho									
Liberia	97	99	100	98	97	96	95	95	95
Libya	132	131	130	133	133	133	133	133	134
Lithuania	131	136	132	134	134	134	135	137	139
Luxembourg	137	138	136	131	133	134	135	134	133
Madagascar	94	96	99	94	93	92	91	90	90
Malawi	106	108	121	121	120	120	121	121	120
Malaysia	124	122	121	122	123	124	124	125	125
Maldives									
Mali	109	115	129	129	128	127	127	127	127
Malta	136	136	137	133	132	130	130	129	129
Marshall Islands									
Mauritania	123	123	130	132	133	133	132	132	132
Mauritius	123	125	126	122	123	124	125	128	130
Mexico	139	138	134	135	136	136	136	136	137
Micronesia (Federated States of)									
Mongolia	95	96	104	119	121	125	128	131	132
Montenegro	106	113	135	140	140	141	142	143	145
Morocco	133	137	138	142	142	142	141	140	140
Mozambique	97	99	108	89	93	97	98	99	100
Myanmar	89	96	113	120	120	120	120	121	121
Namibia	106	103	97	109	110	110	111	110	108
Nauru									
Nepal	103	108	114	125	126	126	128	129	129
Netherlands (Kingdom of the)	126	124	125	127	130	133	134	135	134
New Zealand	127	127	124	130	131	131	133	135	137
Nicaragua	102	107	110	112	113	113	115	116	116
Niger	105	111	116	121	121	122	120	121	121

TABLE 46.
AVERAGE DIETARY SUPPLY ADEQUACY (PERCENT) (CONTINUED)

COUNTRY	2000–2002	2004–2006	2009–2011	2016–2018	2017–2019	2018–2020	2019–2021	2020–2022	2021–2023
Nigeria	120	125	121	117	116	115	115	114	113
North Macedonia	110	115	119	120	121	123	125	126	127
Norway	135	137	139	135	136	138	138	136	134
Oman	111	116	124	121	123	125	125	126	126
Pakistan	107	106	107	111	111	111	111	110	109
Palau									
Panama	100	102	116	127	130	132	132	132	132
Papua New Guinea	98	97	97	99	99	99	99	99	98
Paraguay	117	119	131	131	131	131	131	130	129
Peru	103	105	114	119	120	121	122	121	121
Philippines	109	112	113	120	122	124	125	125	125
Poland	135	132	134	136	138	139	141	140	137
Portugal	142	142	140	138	139	140	141	142	143
Qatar									
Republic of Korea	123	125	134	136	137	137	137	138	138
Republic of Moldova	98	96	106	119	122	122	122	122	121
Romania	131	139	138	145	146	146	147	147	146
Russian Federation	118	127	132	136	136	136	137	138	138
Rwanda	96	97	98	100	100	99	100	102	102
Saint Kitts and Nevis									
Saint Lucia									
Saint Vincent and the Grenadines	105	114	118	120	120	119	119	120	123
Samoa	126	130	128	129	130	131	131	129	128
San Marino									
Sao Tome and Principe	106	112	105	105	105	105	106	106	105
Saudi Arabia	131	132	122	133	133	133	134	134	136
Senegal	97	103	110	116	118	120	122	123	124
Serbia	114	118	126	134	136	139	141	144	146
Seychelles	126	126	123	127	128	129	131	133	137
Sierra Leone	85	88	104	105	104	103	103	103	103
Singapore									
Slovakia	109	110	111	113	115	117	118	118	116
Slovenia	121	124	128	128	127	126	125	125	125
Solomon Islands	110	113	113	111	111	109	108	107	108
Somalia	72	72	71	79	80	82	83	84	84
South Africa	122	123	120	120	120	119	118	117	116
South Sudan							109	109	109
Spain	131	126	128	133	134	135	135	135	136
Sri Lanka	102	104	108	120	120	121	122	123	121
Sudan	104	106	114	117	116	117	117	118	118
Suriname	108	111	113	110	111	111	111	110	110
Sweden	123	122	125	126	126	127	129	129	128
Switzerland	134	133	134	132	132	133	134	133	132
Syrian Arab Republic	119	127	135	116	112	108	105	103	100

TABLE 46.
AVERAGE DIETARY SUPPLY ADEQUACY (PERCENT) (CONTINUED)

COUNTRY	2000–2002	2004–2006	2009–2011	2016–2018	2017–2019	2018–2020	2019–2021	2020–2022	2021–2023
Tajikistan	87	89	99	114	117	120	121	121	121
Thailand	107	112	112	113	114	115	116	117	118
Timor-Leste	90	97	103	105	104	103	102	101	101
Togo	96	102	108	106	106	108	111	113	114
Tonga									
Trinidad and Tobago	116	114	119	122	122	121	121	121	121
Tunisia	136	136	138	143	145	147	148	148	148
Türkiye	131	129	128	130	132	133	133	133	133
Turkmenistan	116	121	121	125	125	125	124	124	123
Tuvalu									
Uganda	112	115	109	95	96	98	98	98	98
Ukraine	119	128	127	122	120	119	118	117	116
United Arab Emirates	121	111	112	120	122	123	124	123	127
United Kingdom of Great Britain and Northern Ireland	137	138	134	135	135	135	135	135	135
United Republic of Tanzania	98	101	105	110	110	110	110	110	110
United States of America	149	151	145	149	150	151	152	152	153
Uruguay	119	118	127	132	134	134	135	133	133
Uzbekistan	99	103	122	135	135	136	137	138	140
Vanuatu	126	128	130	131	131	130	130	129	130
Venezuela (Bolivarian Republic of)	105	109	125	96	96	96	97	98	99
Viet Nam	103	110	118	126	127	129	131	132	133
Yemen	100	99	102	91	92	94	96	97	95
Zambia	85	86	91	102	102	102	101	100	98
Zimbabwe	95	98	101	93	92	91	91	90	90

Source: FAO. 2024. FAOSTAT: Suite of Food Security Indicators. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/FS>.
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TABLE 47.
PREVALENCE OF STUNTING IN CHILDREN UNDER 5 YEARS (PERCENT)

COUNTRY	2000	2005	2010	2012	2015	2019	2020	2021	2022
World	33.0	31.1	27.9	26.3	24.6	23.0	22.7	22.5	22.3
Africa	40.8	39.1	36.0	34.4	32.7	31.1	30.8	30.3	30.0
Asia	37.1	34.5	30.3	28.2	25.7	23.2	22.8	22.5	22.3
Latin America and the Caribbean	17.8	15.7	13.6	12.7	12.1	11.8	11.7	11.6	11.5
Northern America and Europe	5.3	4.7	4.3	4.2	4.1	4.0	3.9	3.9	3.8
Oceania	14.2	17.8	19.6	20.0	20.5	21.3	21.5	21.8	22.0
Afghanistan	54.9	53.2	47.4	44.3	40.5	36.1	35.1	34.0	33.1
Albania	29.5	27.6	19.3	16.4	13.5	10.3	9.5	8.8	8.3
Algeria	22.3	18.1	13.6	12.1	10.7	9.4	9.1	8.8	8.6
Andorra									
Angola	46.5	33.9	30.8	31.8	35.6	41.4	42.4	43.1	43.6
Antigua and Barbuda									
Argentina	9.4	7.8	7.1	7.1	7.7	8.6	8.9	9.2	9.5
Armenia	17.2	20.6	16.4	13.9	11.2	8.5	8.0	7.5	7.2
Australia	0.9	2.0	3.1	3.2	3.3	3.3	3.3	3.3	3.4
Austria									
Azerbaijan	24.3	23.9	19.3	17.4	15.7	14.2	13.9	13.5	13.3
Bahamas									
Bahrain	10.9	9.0	7.3	6.8	6.2	5.4	5.3	5.1	5.0
Bangladesh	54.7	48.9	42.2	39.2	35.1	29.9	28.6	27.5	26.4
Barbados	8.2	8.2	7.8	7.5	7.0	6.4	6.2	6.1	6.0
Belarus	4.7	4.5	4.0	3.9	3.8	3.7	3.6	3.6	3.6
Belgium	4.0	3.7	3.1	2.8	2.6	2.5	2.5	2.4	2.4
Belize	23.4	22.9	19.2	17.5	15.4	13.2	12.8	12.4	12.0
Benin	34.9	36.1	35.2	33.9	32.9	31.9	31.4	30.9	30.4
Bhutan	44.5	39.3	32.8	30.2	27.3	24.3	23.7	23.2	22.7
Bolivia (Plurinational State of)	32.9	29.6	22.8	19.9	16.6	13.0	12.3	11.6	11.1
Bosnia and Herzegovina	12.4	11.2	10.0	9.2	8.6	8.3	8.2	8.1	8.0
Botswana	30.3	29.3	26.1	24.6	22.9	22.8	22.5	22.1	21.6
Brazil	9.8	7.3	6.5	6.3	6.5	7.1	7.2	7.2	7.2
Brunei Darussalam	21.3	21.3	18.4	17.0	15.1	12.4	11.8	11.3	10.9
Bulgaria	8.1	8.6	7.7	7.1	6.6	6.1	5.9	5.7	5.6
Burkina Faso	40.5	41.5	36.7	33.3	28.4	23.9	23.1	22.4	21.8
Burundi	63.1	60.6	57.7	56.5	55.9	56.2	56.3	56.4	56.5
Cabo Verde	17.8	15.6	13.8	12.6	11.4	10.2	9.9	9.6	9.4
Cambodia	50.5	44.7	37.4	33.8	29.0	24.7	23.8	23.0	22.3
Cameroon	37.5	37.0	33.7	32.1	30.5	28.5	27.9	27.3	26.9
Canada									
Central African Republic	43.1	43.6	41.7	40.6	40.9	40.5	40.3	40.0	39.8
Chad	42.0	42.6	40.5	38.9	36.9	34.4	33.6	32.9	32.3
Chile	2.9	2.3	2.0	1.9	1.8	1.7	1.6	1.6	1.6
China, mainland									
Colombia	17.4	15.7	13.3	12.7	12.3	11.6	11.5	11.3	11.2
Comoros	43.9	41.8	35.5	31.9	27.2	21.7	20.6	19.6	18.8

TABLE 47.
PREVALENCE OF STUNTING IN CHILDREN UNDER 5 YEARS (PERCENT) (CONTINUED)

COUNTRY	2000	2005	2010	2012	2015	2019	2020	2021	2022
Congo	33.7	30.9	25.5	23.1	20.9	18.5	17.8	17.1	16.5
Costa Rica	6.8	5.9	6.1	6.4	7.3	8.6	8.9	9.2	9.5
Côte d'Ivoire	32.6	33.5	31.4	29.6	26.9	22.8	21.8	20.9	20.2
Croatia									
Cuba	7.2	7.6	7.2	7.0	7.0	7.1	7.0	7.0	7.0
Cyprus									
Czechia	2.6	2.7	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Democratic People's Republic of Korea	52.7	41.2	29.2	25.7	22.3	19.0	18.2	17.5	16.8
Democratic Republic of the Congo	46.0	45.7	43.7	42.7	41.8	41.4	41.1	40.7	40.3
Denmark									
Djibouti	33.7	35.8	32.2	29.6	26.1	21.5	20.5	19.5	18.7
Dominica									
Dominican Republic	10.1	9.0	8.4	7.9	7.4	6.5	6.2	5.9	5.6
Ecuador	27.7	27.8	26.4	24.4	23.0	23.2	23.1	22.8	22.7
Egypt	25.9	24.4	25.4	24.6	22.5	21.4	21.1	20.7	20.4
El Salvador	28.7	23.5	17.5	15.5	13.1	11.0	10.7	10.3	10.0
Equatorial Guinea	38.8	34.5	28.1	25.0	21.6	18.1	17.3	16.6	16.1
Eritrea	43.5	46.8	51.2	51.6	52.2	51.8	51.3	50.8	50.2
Estonia	2.0	1.6	1.4	1.3	1.3	1.3	1.2	1.2	1.2
Eswatini	35.8	33.9	30.2	28.0	25.6	23.1	22.4	21.8	21.2
Ethiopia	57.0	51.3	44.7	42.1	39.5	36.6	35.8	35.1	34.4
Fiji	5.8	7.5	9.0	8.5	7.9	7.2	7.1	7.1	7.1
Finland									
France									
Gabon	25.5	23.3	19.0	17.2	15.9	14.6	14.2	13.8	13.4
Gambia	27.8	27.1	24.2	22.3	19.8	15.7	15.0	14.3	13.6
Georgia	16.1	14.5	10.4	8.8	7.3	5.6	5.3	5.0	4.8
Germany	1.2	1.2	1.4	1.5	1.7	2.0	2.0	2.1	2.1
Ghana	32.6	30.4	24.9	22.0	18.5	15.0	14.2	13.4	12.7
Greece	2.5	2.2	2.0	2.0	2.1	2.2	2.2	2.2	2.2
Grenada									
Guatemala	53.2	52.2	48.7	47.1	46.0	44.9	44.2	43.7	43.5
Guinea	33.0	35.5	35.0	33.7	32.2	29.8	29.1	28.5	27.9
Guinea-Bissau	33.8	32.0	30.3	29.3	28.8	28.5	28.2	27.9	27.7
Guyana	14.5	17.3	16.4	14.5	11.8	9.1	8.5	8.0	7.6
Haiti	30.3	28.0	25.2	23.8	22.2	20.7	20.3	19.9	19.5
Honduras	36.6	31.2	24.4	22.0	20.4	18.9	18.4	17.9	17.5
Hungary									
Iceland									
India	50.0	47.9	44.0	41.6	38.3	34.4	33.5	32.5	31.7
Indonesia	40.4	38.1	35.9	34.6	33.3	32.2	31.9	31.4	31.0
Iran (Islamic Republic of)	15.2	9.0	6.4	5.9	5.5	5.1	4.9	4.8	4.7
Iraq	27.9	27.1	22.5	19.6	16.0	12.2	11.3	10.5	9.9
Ireland									

TABLE 47.
PREVALENCE OF STUNTING IN CHILDREN UNDER 5 YEARS (PERCENT) (CONTINUED)

COUNTRY	2000	2005	2010	2012	2015	2019	2020	2021	2022
Israel									
Italy									
Jamaica	7.2	6.3	6.1	6.1	6.4	6.5	6.5	6.5	6.5
Japan	8.5	8.0	7.0	6.5	6.0	5.4	5.2	5.1	5.0
Jordan	10.8	9.8	8.3	7.7	7.4	7.2	7.1	6.8	6.6
Kazakhstan	16.0	16.0	12.7	11.0	8.7	6.3	5.8	5.4	4.9
Kenya	38.5	37.3	31.7	28.6	24.9	21.1	20.1	19.2	18.4
Kiribati	20.3	18.7	17.1	16.2	15.6	15.0	14.8	14.5	14.2
Kuwait	4.0	4.1	4.5	4.8	5.4	6.3	6.5	6.7	6.9
Kyrgyzstan	28.0	22.8	17.8	16.0	13.6	11.5	11.1	10.7	10.3
Lao People's Democratic Republic	48.7	48.3	43.4	40.4	36.3	30.9	29.7	28.7	27.7
Latvia	3.9	3.2	2.6	2.4	2.2	2.0	1.9	1.8	1.8
Lebanon	17.8	16.4	14.5	11.7	9.4	8.2	7.9	7.6	7.4
Lesotho	41.6	42.2	39.6	37.5	34.6	32.6	32.3	32.0	31.8
Liberia	44.9	41.3	37.0	35.0	32.6	29.2	28.0	27.2	26.6
Libya	18.4	21.2	26.3	30.0	37.7	47.9	49.6	51.0	52.2
Lithuania	7.6	6.8	5.8	5.4	5.2	4.8	4.7	4.6	4.5
Luxembourg									
Madagascar	55.2	53.1	49.2	47.3	45.0	41.4	40.4	39.4	38.6
Malawi	56.0	53.4	47.0	43.6	39.4	36.1	35.3	34.6	34.0
Malaysia	19.5	17.9	17.4	17.6	19.0	21.0	21.4	21.7	21.9
Maldives	33.7	26.4	18.1	16.4	15.5	14.6	14.3	14.1	13.9
Mali	39.5	37.0	32.7	30.7	28.6	25.6	24.9	24.3	23.8
Malta									
Marshall Islands	39.9	39.0	38.7	37.0	35.0	32.7	31.9	31.2	30.5
Mauritania	39.3	32.1	27.3	26.0	25.1	23.8	23.3	22.7	22.1
Mauritius	12.6	10.7	9.4	9.0	8.8	8.9	8.8	8.7	8.6
Mexico	20.3	16.9	14.3	13.3	12.8	12.8	12.8	12.6	12.6
Micronesia (Federated States of)									
Mongolia	29.2	23.6	15.3	12.2	9.6	7.4	6.9	6.5	6.1
Montenegro	7.4	8.4	8.6	8.4	8.2	8.3	8.3	8.3	8.2
Morocco	25.2	20.3	16.8	15.8	14.8	13.8	13.4	13.1	12.8
Mozambique	48.6	46.3	43.6	42.6	41.4	38.5	37.7	37.0	36.4
Myanmar	45.9	39.1	33.0	31.1	29.1	26.3	25.6	24.8	24.1
Namibia	29.7	29.4	26.1	24.0	21.2	18.3	17.8	17.2	16.8
Nauru	25.3	25.7	22.7	21.0	19.0	16.5	15.8	15.3	14.8
Nepal	55.8	50.4	43.4	40.3	36.0	30.4	29.1	27.8	26.7
Netherlands (Kingdom of the)	1.3	1.4	1.5	1.5	1.5	1.6	1.6	1.6	1.6
New Zealand									
Nicaragua	25.5	21.6	18.4	17.3	16.4	15.5	15.3	15.1	14.9
Niger	53.2	51.0	47.8	46.6	46.0	46.6	46.8	47.0	47.4
Nigeria	41.7	40.9	38.8	37.7	36.7	35.4	35.0	34.5	34.2
North Macedonia	8.4	8.7	6.8	5.8	4.8	4.1	3.9	3.8	3.7
Norway									

TABLE 47.
PREVALENCE OF STUNTING IN CHILDREN UNDER 5 YEARS (PERCENT) (CONTINUED)

COUNTRY	2000	2005	2010	2012	2015	2019	2020	2021	2022
Oman	14.6	12.0	11.2	11.1	11.7	12.5	12.6	12.7	12.7
Pakistan	40.4	44.8	45.1	43.8	41.4	37.1	36.0	34.9	34.0
Palau									
Panama	18.4	20.9	21.1	19.9	17.9	15.2	14.6	14.1	13.8
Papua New Guinea	36.9	43.0	47.3	48.0	49.1	50.5	50.7	51.0	51.2
Paraguay	17.7	17.0	11.8	9.4	6.8	4.4	4.0	3.7	3.4
Peru	31.1	27.7	21.8	18.6	15.0	11.7	11.1	10.6	10.1
Philippines	34.8	33.7	32.6	31.9	31.2	30.1	29.7	29.0	28.8
Poland	2.9	2.4	2.2	2.1	2.1	2.2	2.3	2.3	2.3
Portugal	4.7	4.6	4.0	3.8	3.5	3.3	3.2	3.2	3.1
Qatar	9.6	8.1	6.6	6.2	5.8	5.0	4.8	4.6	4.4
Republic of Korea	2.6	2.3	2.0	1.9	1.8	1.8	1.8	1.7	1.7
Republic of Moldova	12.7	10.2	7.6	6.8	5.8	4.6	4.4	4.1	3.9
Romania	13.5	12.2	10.1	9.3	8.7	8.2	8.0	7.8	7.7
Russian Federation									
Rwanda	48.5	49.1	44.8	41.2	36.7	32.6	31.6	30.7	29.8
Saint Kitts and Nevis									
Saint Lucia	2.9	2.7	2.4	2.3	2.3	2.4	2.5	2.5	2.5
Saint Vincent and the Grenadines									
Samoa	5.8	4.7	4.8	5.0	5.6	6.8	7.0	7.2	7.4
San Marino									
Sao Tome and Principe	31.3	27.1	21.2	18.8	15.6	12.0	11.3	10.6	10.0
Saudi Arabia	11.4	11.3	11.7	11.8	12.2	12.6	12.6	12.5	12.4
Senegal	24.7	21.3	19.0	18.5	18.6	18.0	17.7	17.3	17.0
Serbia	8.8	8.2	6.5	5.9	5.5	5.1	4.9	4.7	4.6
Seychelles	10.6	9.0	8.2	7.9	7.8	7.6	7.5	7.3	7.2
Sierra Leone	38.1	39.0	36.9	34.9	32.3	28.1	27.4	26.6	26.0
Singapore	4.4	4.1	3.6	3.4	3.2	3.1	3.0	3.0	3.0
Slovakia									
Slovenia									
Solomon Islands	31.4	32.7	32.5	31.8	31.0	30.4	30.1	29.9	29.8
Somalia	33.0	33.9	30.1	27.6	24.2	20.3	19.4	18.7	18.0
South Africa	26.6	26.2	23.4	22.5	22.3	22.5	22.6	22.8	22.8
South Sudan	39.0	35.9	32.1	30.8	29.9	29.1	28.7	28.3	27.9
Spain									
Sri Lanka	19.5	18.2	17.2	16.7	16.4	16.3	16.2	16.1	15.9
Sudan	39.3	37.8	36.5	36.0	36.2	36.5	36.4	36.2	36.0
Suriname	13.6	11.0	9.0	8.3	8.2	8.0	7.9	7.8	7.6
Sweden									
Switzerland									
Syrian Arab Republic	28.3	29.7	27.2	26.4	27.6	27.3	26.7	26.1	25.4
Tajikistan	41.3	36.8	29.0	25.7	21.1	15.5	14.6	13.8	13.1
Thailand	16.2	16.4	15.2	14.0	12.8	12.3	12.1	11.9	11.8
Timor-Leste	54.6	57.1	54.8	52.5	49.7	46.7	46.1	45.6	45.1

TABLE 47.
PREVALENCE OF STUNTING IN CHILDREN UNDER 5 YEARS (PERCENT) (CONTINUED)

COUNTRY	2000	2005	2010	2012	2015	2019	2020	2021	2022
Togo	32.1	31.0	28.7	27.3	26.0	24.1	23.5	22.9	22.3
Tonga	16.1	13.1	8.9	7.2	4.8	2.6	2.3	2.0	1.8
Trinidad and Tobago	5.3	7.0	8.3	8.6	8.8	8.8	8.8	8.8	8.8
Tunisia	12.6	10.9	9.3	8.8	8.6	8.8	8.8	8.7	8.6
Türkiye	17.4	15.5	10.8	9.1	7.5	6.2	6.0	5.7	5.5
Turkmenistan	26.6	21.0	14.4	12.5	10.2	7.9	7.4	7.0	6.7
Tuvalu	12.4	10.5	8.7	7.8	6.9	5.9	5.6	5.4	5.2
Uganda	44.0	41.3	36.0	33.3	29.6	25.5	24.7	24.0	23.4
Ukraine	22.6	21.2	18.6	18.2	16.5	15.6	14.8	13.5	12.3
United Arab Emirates									
United Kingdom of Great Britain and Northern Ireland									
United Republic of Tanzania	47.4	44.2	40.3	38.1	35.4	32.9	32.1	31.4	30.6
United States of America	3.1	2.6	2.5	2.5	2.8	3.3	3.4	3.5	3.6
Uruguay	16.3	13.3	9.9	9.1	8.0	6.7	6.4	6.3	6.1
Uzbekistan	28.9	21.3	15.4	13.2	10.7	8.3	7.8	7.3	6.9
Vanuatu	23.9	25.1	26.5	27.0	28.5	30.6	30.9	31.2	31.4
Venezuela (Bolivarian Republic of)	17.6	16.8	13.4	12.1	11.1	10.5	10.5	10.5	10.5
Viet Nam	41.5	33.2	27.4	25.4	23.5	21.0	20.4	19.8	19.3
Yemen	55.4	56.1	50.4	46.9	42.3	37.6	36.7	35.7	35.1
Zambia	51.8	49.4	43.7	40.8	37.6	33.2	32.3	31.7	31.4
Zimbabwe	32.8	34.8	33.5	31.1	26.8	23.1	22.5	22.0	21.6

Source: FAO. 2024. FAOSTAT: Suite of Food Security Indicators. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/FS>.
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TABLE 48.
PREVALENCE OF OBESITY IN THE ADULT POPULATION (PERCENT)

COUNTRY	2000	2005	2010	2012	2015	2019	2020	2021	2022
World	8.7	10.1	11.5	12.1	13.1	14.5	14.9	15.3	15.8
Africa	8.7	10.5	12.2	12.8	13.7	15.1	15.4	15.8	16.2
Asia	3.5	4.5	5.9	6.5	7.5	9.1	9.5	10.0	10.4
Latin America and the Caribbean	15.4	18.1	21.1	22.4	24.5	27.5	28.3	29.1	29.9
Northern America and Europe	19.5	22.1	24.2	24.8	25.7	26.9	27.3	27.6	27.9
Oceania	19.8	22.6	24.7	25.4	26.5	28.2	28.6	29.0	29.5
Afghanistan	4.3	6.2	9.0	10.3	12.6	16.2	17.2	18.2	19.2
Albania	12.8	14.5	16.6	17.5	19.1	21.4	22.0	22.7	23.4
Algeria	13.4	15.6	17.8	18.8	20.2	22.3	22.8	23.3	23.8
Andorra	13.7	15.3	16.4	16.7	17.0	17.6	17.7	17.9	18.1
Angola	5.3	6.7	8.1	8.5	9.3	10.4	10.8	11.1	11.5
Antigua and Barbuda	18.8	22.3	25.5	26.8	28.7	31.2	31.9	32.6	33.3
Argentina	18.3	21.3	24.7	26.3	28.8	32.4	33.4	34.4	35.4
Armenia	15.3	17.3	19.5	20.3	21.6	23.2	23.7	24.1	24.5
Australia	19.5	22.6	25.0	25.7	27.0	28.8	29.3	29.8	30.2
Austria	12.0	13.3	14.0	14.2	14.4	14.9	15.0	15.2	15.4
Azerbaijan	15.6	17.9	20.4	21.4	23.0	25.0	25.5	26.0	26.5
Bahamas	28.7	33.7	38.1	39.8	42.1	45.1	45.8	46.5	47.3
Bahrain	24.4	27.8	30.6	31.7	33.1	34.9	35.3	35.7	36.1
Bangladesh	0.8	1.3	2.1	2.5	3.2	4.3	4.6	5.0	5.3
Barbados	22.1	25.8	29.4	30.9	33.0	35.8	36.6	37.3	38.0
Belarus	18.4	19.7	20.7	21.0	21.2	21.3	21.3	21.3	21.4
Belgium	14.7	16.2	17.5	17.8	18.4	19.2	19.5	19.8	20.0
Belize	25.6	29.8	33.7	35.2	37.3	40.1	40.8	41.6	42.3
Benin	4.5	6.2	7.7	8.1	8.8	10.0	10.4	10.8	11.2
Bhutan	3.4	4.7	6.3	7.1	8.4	10.4	11.0	11.6	12.2
Bolivia (Plurinational State of)	13.0	15.8	19.1	20.5	22.8	26.0	26.9	27.8	28.7
Bosnia and Herzegovina	13.8	15.2	16.7	17.3	18.3	19.9	20.3	20.7	21.2
Botswana	10.0	12.2	14.1	14.7	15.7	17.1	17.5	17.9	18.3
Brazil	12.3	14.7	17.6	19.1	21.6	25.2	26.2	27.2	28.1
Brunei Darussalam	13.6	17.5	21.7	23.3	25.7	29.1	30.0	30.8	31.7
Bulgaria	13.8	15.4	17.1	17.6	18.5	19.7	20.0	20.3	20.6
Burkina Faso	1.4	2.3	3.3	3.7	4.4	5.6	6.0	6.3	6.7
Burundi	1.6	2.1	2.7	3.0	3.4	4.2	4.5	4.7	5.0
Cabo Verde	6.7	8.8	10.6	11.3	12.4	14.2	14.7	15.2	15.8
Cambodia	1.0	1.4	2.0	2.2	2.7	3.6	3.8	4.1	4.4
Cameroon	6.8	9.2	11.2	11.8	12.5	13.8	14.1	14.5	14.9
Canada	20.2	22.7	24.3	24.7	25.1	25.7	25.9	26.0	26.2
Central African Republic	3.0	4.2	5.4	5.9	6.7	8.1	8.4	8.9	9.3
Chad	2.2	3.2	4.2	4.5	5.0	5.8	6.1	6.4	6.7
Chile	20.6	24.2	28.0	29.6	32.2	36.0	37.0	37.9	38.9
China	2.2	2.9	4.0	4.5	5.4	6.9	7.3	7.8	8.3
Colombia	11.8	14.3	17.0	18.2	19.9	22.0	22.5	23.1	23.6
Comoros	5.7	7.7	9.8	10.7	12.2	14.4	15.0	15.6	16.3

TABLE 48.
PREVALENCE OF OBESITY IN THE ADULT POPULATION (PERCENT) (CONTINUED)

COUNTRY	2000	2005	2010	2012	2015	2019	2020	2021	2022
Congo	5.1	6.3	7.1	7.4	7.7	8.1	8.2	8.4	8.5
Costa Rica	17.3	20.4	23.6	24.9	26.8	29.4	30.0	30.7	31.4
Côte d'Ivoire	4.5	6.2	7.7	8.2	9.0	10.4	10.8	11.2	11.6
Croatia	15.3	18.2	21.6	23.0	25.1	28.2	29.0	29.8	30.6
Cuba	10.7	12.9	15.3	16.3	17.8	20.0	20.6	21.2	21.8
Cyprus	18.1	20.0	21.3	21.6	21.9	22.4	22.6	22.8	22.9
Czechia	19.2	19.9	21.2	21.8	22.9	24.6	25.1	25.5	26.0
Democratic People's Republic of Korea	3.5	4.6	6.0	6.7	7.7	9.4	9.8	10.3	10.8
Democratic Republic of the Congo	2.3	3.2	4.0	4.4	4.9	5.8	6.1	6.3	6.6
Denmark	10.6	11.8	12.5	12.5	12.7	13.0	13.1	13.2	13.3
Djibouti	3.8	5.1	6.5	7.1	8.2	9.8	10.3	10.8	11.3
Dominica	17.3	20.3	23.3	24.5	26.5	29.2	29.9	30.6	31.3
Dominican Republic	14.2	17.6	21.0	22.3	24.3	27.1	27.8	28.6	29.3
Ecuador	13.6	16.0	18.8	20.1	22.1	25.0	25.8	26.6	27.4
Egypt	27.8	32.1	35.9	37.4	39.6	42.4	43.0	43.6	44.3
El Salvador	18.1	21.1	24.1	25.3	27.0	29.2	29.8	30.3	30.9
Equatorial Guinea	9.2	11.5	13.3	13.9	14.8	16.3	16.7	17.2	17.7
Eritrea	1.3	1.8	2.4	2.7	3.2	4.0	4.3	4.5	4.8
Estonia	16.7	19.0	20.5	20.9	21.3	21.8	21.9	22.0	22.2
Eswatini	15.5	18.8	22.0	23.2	25.0	27.7	28.5	29.3	30.1
Ethiopia	0.7	0.9	1.3	1.5	1.8	2.3	2.5	2.6	2.8
Fiji	22.2	24.4	27.0	28.0	29.6	32.0	32.6	33.2	33.8
Finland	16.3	17.8	19.0	19.3	19.9	20.8	21.0	21.2	21.5
France	11.8	12.3	12.1	11.7	11.1	10.3	10.1	9.9	9.7
Gabon	9.6	12.2	14.7	15.5	16.9	19.1	19.7	20.4	21.0
Gambia	3.9	6.1	8.5	9.4	10.8	13.0	13.6	14.3	14.9
Georgia	18.7	22.0	25.7	27.2	29.5	32.5	33.2	33.9	34.7
Germany	17.8	19.6	20.4	20.5	20.4	20.4	20.4	20.4	20.4
Ghana	6.1	8.2	9.8	10.2	10.9	12.0	12.3	12.6	12.9
Greece	18.9	21.6	23.9	24.6	25.6	26.9	27.2	27.6	28.0
Grenada	16.7	19.8	22.7	23.9	25.7	28.3	28.9	29.6	30.3
Guatemala	12.6	15.6	18.7	20.0	22.0	24.7	25.4	26.1	26.8
Guinea	2.7	4.0	5.4	5.9	6.8	8.2	8.6	9.1	9.5
Guinea-Bissau	4.1	5.8	7.3	7.9	8.7	10.2	10.6	11.0	11.5
Guyana	14.2	17.1	20.1	21.4	23.4	26.2	27.0	27.7	28.5
Haiti	5.5	6.7	7.9	8.3	8.9	9.9	10.1	10.4	10.7
Honduras	14.6	17.9	21.3	22.7	24.7	27.4	28.1	28.8	29.5
Hungary	18.0	21.0	24.0	25.2	27.0	29.6	30.3	31.0	31.7
Iceland	14.4	16.6	18.3	18.7	19.4	20.4	20.7	20.9	21.2
India	1.8	2.6	3.7	4.1	4.9	6.2	6.5	6.9	7.3
Indonesia	2.6	3.6	5.2	5.9	7.3	9.4	10.0	10.6	11.2
Iran (Islamic Republic of)	14.8	17.2	19.2	19.9	21.3	23.1	23.5	23.9	24.3
Iraq	26.1	29.7	33.1	34.4	36.3	38.8	39.3	39.9	40.5
Ireland	19.2	22.2	24.4	25.0	26.0	27.3	27.6	28.0	28.3

TABLE 48.
PREVALENCE OF OBESITY IN THE ADULT POPULATION (PERCENT) (CONTINUED)

COUNTRY	2000	2005	2010	2012	2015	2019	2020	2021	2022
Israel	18.6	20.7	21.8	21.9	22.0	22.2	22.3	22.4	22.5
Italy	13.6	14.8	15.8	16.1	16.4	16.9	17.0	17.1	17.3
Jamaica	17.0	21.0	24.9	26.4	28.5	31.5	32.3	33.0	33.8
Japan	2.6	3.1	3.7	3.9	4.3	4.9	5.1	5.3	5.5
Jordan	30.0	33.2	35.6	36.3	37.2	38.0	38.2	38.3	38.5
Kazakhstan	13.8	14.7	15.7	16.1	16.7	17.6	17.9	18.1	18.4
Kenya	4.2	5.7	7.4	8.1	9.2	10.9	11.4	11.9	12.4
Kiribati	38.3	40.7	42.5	43.2	44.1	45.3	45.7	46.0	46.3
Kuwait	35.5	38.5	40.3	40.7	40.9	41.1	41.2	41.3	41.4
Kyrgyzstan	12.7	15.5	18.7	20.1	22.1	24.7	25.3	26.0	26.6
Lao People's Democratic Republic	2.4	3.2	4.2	4.7	5.5	6.9	7.2	7.6	8.0
Latvia	17.5	19.4	21.1	21.7	22.5	23.5	23.7	24.0	24.3
Lebanon	20.1	23.0	25.4	26.2	27.4	28.7	29.1	29.4	29.8
Lesotho	10.8	12.9	15.1	15.9	17.2	19.2	19.8	20.4	21.0
Liberia	4.9	7.1	9.4	10.3	11.8	14.4	15.2	16.1	17.0
Libya	24.3	28.1	30.9	32.0	33.5	35.4	35.8	36.3	36.7
Lithuania	20.1	21.3	22.5	23.0	23.7	24.6	24.8	25.1	25.4
Luxembourg	16.0	17.5	18.2	18.2	18.2	18.3	18.3	18.4	18.4
Madagascar	1.1	1.5	2.1	2.3	2.8	3.5	3.7	4.0	4.3
Malawi	2.1	3.0	4.0	4.5	5.3	6.6	6.9	7.3	7.7
Malaysia	9.3	12.1	14.9	16.0	17.7	20.1	20.8	21.4	22.1
Maldives	6.2	8.2	10.3	11.2	12.7	15.2	15.9	16.6	17.3
Mali	3.6	5.4	7.1	7.6	8.5	10.0	10.4	10.9	11.4
Malta	26.3	28.4	29.9	30.3	30.8	31.6	31.8	32.0	32.3
Marshall Islands	37.7	39.4	41.3	42.0	43.1	44.6	45.1	45.5	45.9
Mauritania	9.1	12.3	15.2	16.2	17.9	20.5	21.2	21.9	22.7
Mauritius	12.7	14.6	16.0	16.5	17.1	18.2	18.5	18.9	19.2
Mexico	21.6	24.8	28.0	29.3	31.4	34.0	34.7	35.3	36.0
Micronesia (Federated States of)	37.6	39.4	41.5	42.4	43.7	45.6	46.1	46.6	47.1
Mongolia	10.7	13.2	16.3	17.6	19.6	22.2	22.8	23.4	24.1
Montenegro	11.4	12.8	14.2	14.8	15.6	16.9	17.3	17.6	18.0
Morocco	11.3	13.5	15.7	16.7	18.2	20.2	20.7	21.3	21.8
Mozambique	3.0	4.2	5.5	6.1	7.1	8.8	9.2	9.7	10.3
Myanmar	3.2	4.0	4.9	5.2	5.8	6.7	6.9	7.2	7.4
Namibia	9.8	11.9	13.5	14.0	14.8	15.9	16.3	16.6	17.0
Nauru	66.1	66.1	66.9	67.4	68.1	69.2	69.4	69.6	69.9
Nepal	1.2	1.9	2.9	3.4	4.3	5.7	6.1	6.6	7.0
Netherlands (Kingdom of the)	11.3	12.8	13.7	13.8	13.9	14.2	14.3	14.4	14.5
New Zealand	21.4	25.3	28.4	29.3	30.6	32.3	32.7	33.2	33.6
Nicaragua	19.7	23.0	26.2	27.5	29.4	31.8	32.4	33.0	33.6
Niger	2.0	2.8	3.7	3.9	4.4	5.2	5.4	5.7	6.0
Nigeria	4.7	6.5	8.1	8.7	9.5	11.0	11.4	11.9	12.4
North Macedonia	17.0	19.1	21.3	22.2	23.6	25.8	26.3	26.9	27.5
Norway	11.9	14.2	16.0	16.5	17.2	18.3	18.6	18.8	19.1

TABLE 48.
PREVALENCE OF OBESITY IN THE ADULT POPULATION (PERCENT) (CONTINUED)

COUNTRY	2000	2005	2010	2012	2015	2019	2020	2021	2022
Oman	18.2	21.3	24.1	24.9	26.5	29.0	29.8	30.5	31.1
Pakistan	5.8	8.1	11.2	12.7	15.4	19.6	20.7	21.8	23.0
Palau	36.6	37.8	38.8	39.2	39.7	40.4	40.7	40.9	41.1
Panama	17.2	20.9	24.9	26.7	29.5	33.2	34.1	35.1	36.1
Papua New Guinea	13.9	15.0	16.3	16.8	17.7	19.2	19.6	20.1	20.5
Paraguay	17.3	20.2	23.4	24.8	27.1	30.4	31.2	32.1	33.0
Peru	12.1	14.2	17.0	18.5	20.8	24.4	25.3	26.3	27.3
Philippines	3.3	4.2	5.3	5.7	6.5	7.7	8.0	8.4	8.7
Poland	16.6	18.9	21.3	22.2	23.7	25.8	26.3	26.9	27.5
Portugal	14.6	16.5	18.1	18.7	19.5	20.7	21.1	21.4	21.8
Qatar	26.0	30.4	34.4	36.1	38.3	41.3	42.0	42.6	43.1
Republic of Korea	2.3	2.9	3.7	4.1	4.8	6.1	6.5	6.9	7.3
Republic of Moldova	20.3	21.8	22.7	22.9	23.0	23.0	23.0	23.0	23.0
Romania	11.6	15.1	19.8	21.9	25.3	30.2	31.5	32.7	34.0
Russian Federation	18.6	20.3	21.8	22.3	22.9	23.6	23.8	24.0	24.2
Rwanda	1.0	1.5	2.1	2.4	3.0	4.0	4.3	4.6	4.9
Saint Kitts and Nevis	28.6	33.3	37.3	38.7	40.8	43.6	44.3	45.0	45.6
Saint Lucia	17.2	21.0	24.6	26.1	28.2	31.1	31.9	32.7	33.5
Saint Vincent and the Grenadines	18.7	22.1	25.3	26.6	28.5	31.1	31.8	32.5	33.2
Samoa	46.6	50.5	54.3	55.7	57.7	60.4	61.1	61.8	62.4
San Marino									
Sao Tome and Principe	6.6	9.0	11.1	11.8	12.9	14.8	15.3	15.9	16.5
Saudi Arabia	26.6	30.5	33.8	35.0	36.8	39.1	39.6	40.1	40.6
Senegal	4.5	6.1	7.3	7.6	8.2	9.3	9.6	9.9	10.2
Serbia	14.4	15.9	17.5	18.2	19.3	21.0	21.5	22.0	22.5
Seychelles	19.1	22.1	24.4	25.1	26.2	27.9	28.3	28.8	29.4
Sierra Leone	3.6	4.9	5.7	5.8	6.1	6.6	6.8	6.9	7.1
Singapore	4.7	5.7	7.3	8.1	9.5	11.8	12.4	13.1	13.9
Slovakia	15.3	17.3	19.7	20.8	22.4	24.9	25.5	26.2	26.8
Slovenia	14.1	15.2	16.0	16.3	16.8	18.1	18.5	19.0	19.4
Solomon Islands	15.6	17.0	18.5	19.1	20.0	21.4	21.8	22.2	22.6
Somalia	5.3	6.9	8.8	9.6	10.9	12.9	13.4	14.0	14.6
South Africa	22.8	25.9	28.1	28.6	29.2	30.1	30.3	30.6	30.8
South Sudan	2.9	3.8	4.8	5.3	6.1	7.4	7.8	8.2	8.6
Spain	18.2	19.5	19.4	18.9	17.9	16.5	16.2	15.9	15.7
Sri Lanka	2.4	3.5	5.0	5.7	6.9	8.9	9.4	10.0	10.6
Sudan	6.7	8.7	10.7	11.5	12.8	15.0	15.7	16.3	17.0
Suriname	15.7	18.7	21.6	22.8	24.6	27.0	27.7	28.3	29.0
Sweden	12.1	13.7	14.5	14.6	14.7	15.0	15.1	15.2	15.3
Switzerland	10.7	11.5	11.8	11.8	11.8	11.9	12.0	12.0	12.1
Syrian Arab Republic	22.7	25.7	28.2	29.2	30.8	32.7	33.1	33.5	33.9
Tajikistan	10.5	12.9	15.8	17.1	19.1	21.8	22.4	23.1	23.8
Thailand	5.7	7.2	9.1	10.0	11.4	13.5	14.1	14.8	15.4
Timor-Leste	0.5	0.7	1.0	1.1	1.4	1.9	2.0	2.2	2.4

TABLE 48.
PREVALENCE OF OBESITY IN THE ADULT POPULATION (PERCENT) (CONTINUED)

COUNTRY	2000	2005	2010	2012	2015	2019	2020	2021	2022
Togo	3.3	4.9	6.5	7.1	8.2	9.9	10.5	11.0	11.6
Tonga	53.8	57.1	61.0	62.8	65.5	69.1	69.9	70.8	71.7
Trinidad and Tobago	20.0	22.3	24.1	24.7	25.6	26.9	27.3	27.7	28.1
Tunisia	16.3	18.8	21.1	22.0	23.5	25.4	25.9	26.3	26.8
Türkiye	24.1	26.8	28.8	29.6	30.8	32.3	32.6	33.0	33.3
Turkmenistan	11.7	13.9	16.3	17.2	18.5	20.2	20.6	21.0	21.4
Tuvalu	52.9	55.4	57.9	58.9	60.4	62.6	63.1	63.6	64.2
Uganda	2.0	2.7	3.7	4.2	5.0	6.5	6.9	7.4	7.9
Ukraine	18.4	20.0	21.4	21.8	22.3	23.0	23.2	23.4	23.6
United Arab Emirates	25.4	28.2	32.4	31.9	31.9	32.0	32.0	32.0	32.1
United Kingdom of Great Britain and Northern Ireland	19.1	22.3	24.3	24.8	25.4	26.2	26.4	26.6	26.8
United Republic of Tanzania	3.7	5.1	6.7	7.5	8.7	10.8	11.4	12.0	12.6
United States of America	27.5	32.2	35.8	36.9	38.4	40.5	41.0	41.5	42.0
Uruguay	17.6	20.4	23.6	25.0	27.3	30.7	31.5	32.4	33.3
Uzbekistan	11.9	15.2	19.3	21.0	23.8	27.4	28.2	29.1	30.0
Vanuatu	16.1	17.1	18.1	18.5	19.1	20.3	20.6	20.9	21.3
Venezuela (Bolivarian Republic of)	19.0	21.1	22.4	22.7	22.9	22.8	22.8	22.8	22.7
Viet Nam	0.3	0.4	0.7	0.8	1.1	1.6	1.7	1.9	2.0
Yemen	5.4	6.8	8.4	9.2	10.4	12.2	12.7	13.1	13.7
Zambia	3.7	4.9	6.2	6.8	7.9	9.6	10.0	10.5	11.1
Zimbabwe	6.8	8.0	9.4	10.1	11.1	12.8	13.2	13.7	14.2

Source: FAO. 2024. FAOSTAT: Suite of Food Security Indicators. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/FS>.
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CHAPTER 4: SUSTAINABILITY AND ENVIRONMENTAL ASPECTS OF AGRICULTURE

TABLE 49.
LAND AREA BY TYPE (THOUSAND HA)

COUNTRY	FOREST LAND			AGRICULTURAL LAND			OTHER LAND		
	2000	2010	2022	2000	2010	2022	2000	2010	2022
World	4 158 049.5	4 106 316.9	4 048 946.1	4 872 121.8	4 785 537.5	4 781 220.8	3 961 839.5	4 091 683.9	4 159 900.4
Africa	710 048.8	676 015.4	628 663.6	1 088 632.9	1 131 889.8	1 173 177.7	1 166 140.7	1 171 870.8	1 189 023.7
Americas	1 674 994.0	1 624 344.3	1 591 941.8	1 151 259.6	1 141 398.5	1 113 082.6	1 028 937.8	1 088 066.2	1 128 732.0
Asia	587 410.0	610 959.9	625 212.6	1 677 616.5	1 654 442.3	1 659 815.1	844 488.4	844 939.3	829 892.2
Europe	1 002 268.2	1 013 982.4	1 017 896.9	484 630.4	467 738.4	459 452.7	726 947.6	731 463.3	728 993.1
Oceania	183 328.4	181 015.0	185 231.2	469 982.4	390 068.4	375 692.8	195 325.0	255 344.4	283 259.4
Afghanistan	1 208.4	1 208.4	1 208.4	37 794.0	37 917.0	38 313.0	26 220.6	26 097.6	25 701.6
Albania	769.3	782.1	788.9	1 144.0	1 201.3	1 135.6	826.7	756.6	813.5
Algeria	1 579.0	1 918.0	1 968.1	40 021.0	41 374.0	41 310.1	196 574.0	194 882.0	194 895.9
Andorra	16.0	16.0	16.0	23.0	19.8	18.8	8.0	11.2	12.2
Angola	77 708.6	72 158.0	65 497.3	44 523.0	44 850.0	45 897.0	2 438.4	7 662.0	12 720.7
Antigua and Barbuda	9.5	8.8	8.0	9.0	9.0	9.0	25.6	26.2	26.9
Argentina	33 378.0	30 214.0	28 355.2	128 510.0	126 267.9	118 848.4	111 781.0	117 187.1	126 465.4
Armenia	332.6	330.6	328.1	1 323.0	1 735.0	1 652.8	1 191.4	781.4	477.0
Australia	131 814.1	129 546.1	134 005.1	455 469.0	376 372.0	363 519.0	180 946.9	240 103.9	266 262.9
Austria	3 838.1	3 863.2	3 895.5	2 940.2	2 779.2	2 597.4	1 473.7	1 609.6	1 759.1
Azerbaijan	987.2	1 032.5	1 154.8	4 740.4	4 766.8	4 780.5	2 532.9	2 466.3	2 329.7
Bahamas	509.9	509.9	509.9	11.0	12.0	13.0	480.1	479.1	478.1
Bahrain	0.4	0.5	0.7	9.9	8.9	8.1	60.7	66.8	69.1
Bangladesh	1 920.3	1 888.3	1 883.4	9 400.0	9 241.0	9 418.0	1 696.7	1 887.7	1 715.6
Barbados	6.3	6.3	6.3	18.0	15.0	10.0	18.7	21.7	26.7
Belarus	8 273.0	8 630.0	8 796.6	9 252.0	8 898.0	8 094.0	2 759.8	2 762.2	3 405.4
Belgium	667.3	689.9	689.3	1 389.6	1 355.7	1 359.0	976.4	987.7	1 001.1
Belize	1 459.3	1 391.4	1 254.7	149.0	157.0	182.0	672.7	732.6	833.1
Benin	4 135.2	3 635.2	3 035.2	3 191.9	3 487.1	4 855.7	3 949.0	4 153.7	3 385.1
Bhutan	2 606.0	2 705.3	2 729.0	578.0	520.0	488.1	796.0	586.4	572.0
Bolivia (Plurinational State of)	55 101.4	53 086.0	50 416.4	37 143.0	37 668.9	38 815.4	16 085.6	17 575.1	19 098.2
Bosnia and Herzegovina	2 111.7	2 102.7	2 187.9	2 130.0	2 144.0	2 263.0	878.4	873.3	669.1
Botswana	17 620.7	16 437.7	15 018.1	25 951.0	25 861.0	25 862.0	13 101.3	14 374.3	15 674.6
Brazil	551 088.6	511 580.7	494 196.0	228 323.5	231 834.2	222 895.4	56 401.9	92 399.1	118 722.6
Brunei Darussalam	397.0	380.0	380.0	12.0	13.4	13.4	118.0	133.6	133.6
Bulgaria	3 375.0	3 737.0	3 919.0	5 582.0	5 052.0	5 022.1	2 106.0	2 067.0	
Burkina Faso	7 216.5	6 716.5	6 116.4	11 211.1	12 591.4	14 567.4	8 932.4	8 052.1	6 676.2
Burundi	193.9	193.9	279.6	1 867.0	1 833.0	2 126.5	507.1	541.1	161.9
Cabo Verde	39.7	42.7	46.3	72.0	78.0	79.0	291.3	282.3	278.0
Cambodia	10 781.0	10 589.2	7 757.0	4 770.0	5 381.4	6 114.8	2 101.0	1 681.4	3 780.2
Cameroon	21 597.5	20 900.5	20 228.5	9 160.0	9 700.0	9 750.0	16 513.5	16 670.5	17 236.5
Canada	347 802.0	347 322.2	346 854.1	61 287.0	58 280.0	57 077.0	487 470.0	490 956.8	473 499.9
Central African Republic	22 903.0	22 603.0	22 243.0	4 951.9	4 906.9	5 627.2	34 443.1	34 788.1	34 427.8
Chad	6 353.0	5 530.0	4 091.4	48 630.0	49 235.0	50 338.0	70 937.0	71 155.0	71 380.7

TABLE 49.
LAND AREA BY TYPE (THOUSAND HA) (CONTINUED)

COUNTRY	FOREST LAND			AGRICULTURAL LAND			OTHER LAND		
	2000	2010	2022	2000	2010	2022	2000	2010	2022
Chile	15 817.1	16 725.3	18 456.5	15 110.0	14 718.4	10 637.3	43 426.1	42 933.5	45 259.4
China	177 000.6	200 610.4	223 737.3	523 731.0	528 280.8	521 197.0	241 738.5	213 578.9	197 536.0
Colombia	62 735.5	60 807.8	58 743.3	44 859.0	42 503.0	41 763.0	3 355.5	7 639.2	10 443.7
Comoros	41.7	37.3	32.0	128.0	133.0	133.0	16.4	15.8	20.6
Congo	22 195.0	22 075.0	21 916.0	10 539.9	10 575.4	10 686.6	1 415.1	1 499.6	1 547.4
Costa Rica	2 857.2	2 871.2	3 067.6	1 840.0	1 819.0	1 769.4	408.8	415.8	255.9
Côte d'Ivoire	5 094.5	3 965.6	2 610.9	19 755.6	20 904.0	26 761.9	6 949.9	6 930.4	2 427.2
Croatia	1 885.0	1 920.0	1 944.1	1 169.0	1 333.8	1 448.0	2 537.2	2 342.6	2 061.9
Cuba	2 435.0	2 932.0	3 242.0	6 554.0	6 461.2	6 401.0	1 751.0	1 250.8	737.0
Cyprus	171.6	172.8	172.5	141.5	114.5	123.0	610.9	636.7	627.9
Czechia	2 637.3	2 657.4	2 680.7	4 280.0	3 523.9	3 530.4	809.7	1 541.7	1 506.0
Democratic People's Republic of Korea	6 454.7	6 242.4	5 987.6	2 529.2	2 673.3	2 594.3	3 057.1	3 125.3	3 459.0
Democratic Republic of the Congo	143 899.0	137 169.0	123 952.5	25 600.0	28 429.0	35 167.0	57 206.0	61 107.0	67 585.5
Denmark	571.6	586.5	630.3	2 647.0	2 626.0	2 624.0	781.4	787.5	745.7
Djibouti	5.6	5.6	6.0	1 601.6	1 702.3	1 703.9	710.8	610.1	608.2
Dominica	47.9	47.9	47.9	21.0	25.0	25.0	6.1	2.1	2.1
Dominican Republic	1 972.5	2 073.1	2 160.3	2 515.0	2 397.0	2 429.0	343.5	360.9	171.9
Ecuador	13 730.5	13 028.2	12 369.3	8 066.0	7 497.7	5 348.0	3 039.5	4 310.1	7 118.7
Egypt	59.2	65.6	45.0	3 291.0	3 671.0	4 058.0	96 194.8	95 808.4	95 442.0
El Salvador	673.9	628.9	574.9	1 286.7	1 229.9	1 195.7	111.4	213.2	296.9
Equatorial Guinea	2 615.6	2 532.0	2 431.7	102.9	103.6	104.9	86.6	169.4	260.0
Eritrea	1 118.5	1 086.9	1 048.9	7 530.0	7 592.0	7 592.0	1 451.5	3 427.7	3 460.0
Estonia	2 238.9	2 336.0	2 438.4	986.0	948.8	986.0	1 014.1	954.2	848.6
Eswatini	473.3	485.4	500.0	1 223.0	1 221.0	1 195.0	23.7	13.5	26.2
Ethiopia	18 528.5	17 798.5	16 922.5	30 534.0	35 683.0	38 456.9	50 937.5	59 375.6	57 477.7
Fiji	1 006.5	1 073.2	1 153.4	371.8	319.1	311.6	448.7	434.7	368.7
Finland	22 445.6	22 242.0	22 409.0	2 218.0	2 291.9	2 266.0	5 795.4	5 856.1	5 719.8
France	15 288.0	16 419.0	17 419.8	29 807.4	28 926.3	28 304.5	9 661.3	9 410.4	9 031.4
Gabon	23 700.0	23 649.4	23 506.8	2 067.0	2 117.6	2 153.2	0.0	0.0	95.0
Gambia	357.3	300.0	231.2	506.0	644.0	634.0	148.7	68.0	141.1
Georgia	2 760.6	2 822.4	2 822.4	3 000.0	2 460.0	2 383.9	1 188.4	1 666.6	1 742.7
Germany	11 354.0	11 409.0	11 419.0	17 068.0	16 700.0	16 595.0	6 473.0	6 748.0	5 084.0
Ghana	8 848.6	7 942.9	8 000.2	12 765.5	12 400.4	12 603.7	1 139.9	2 410.6	2 149.4
Greece	3 600.2	3 901.8	3 901.8	8 529.0	7 489.0	5 712.0	760.8	1 499.2	3 269.0
Grenada	17.7	17.7	17.7	12.0	10.0	8.0	4.3	6.3	8.3
Guatemala	4 209.2	3 722.6	3 504.6	4 761.7	4 317.2	4 612.0	1 745.1	2 676.2	2 587.8
Guinea	6 929.0	6 569.0	6 109.0	14 064.1	15 059.9	17 194.9	3 578.9	2 943.1	1 268.1
Guinea-Bissau	2 148.9	2 064.4	1 963.1	663.1	747.6	845.0	0.0	0.0	3.9
Guyana	18 564.2	18 519.8	18 396.9	1 030.7	1 042.0	1 043.0	90.1	123.2	235.9
Haiti	380.7	378.4	341.1	1 690.0	1 984.0	1 795.0	685.4	393.6	616.8

TABLE 49.
LAND AREA BY TYPE (THOUSAND HA) (CONTINUED)

COUNTRY	FOREST LAND			AGRICULTURAL LAND			OTHER LAND		
	2000	2010	2022	2000	2010	2022	2000	2010	2022
Honduras	6 778.3	6 575.5	6 317.4	2 935.0	3 268.0	3 576.0	1 475.7	1 345.5	1 274.7
Hungary	1 921.2	2 046.4	2 050.1	5 854.0	5 343.0	5 076.0	1 186.8	1 663.6	1 994.8
Iceland	29.8	44.7	52.7	1 889.0	1 874.0	1 872.0	8 106.2	8 106.3	8 158.3
India	67 591.0	69 496.0	72 692.8	180 975.0	179 573.0	178 527.9	48 753.0	48 250.0	46 364.7
Indonesia	101 280.0	99 659.2	90 922.1	44 618.0	49 941.0	56 388.7	41 853.9	38 151.7	41 944.7
Iran (Islamic Republic of)	9 325.7	10 692.0	10 775.8	62 884.0	46 539.4	47 067.0	90 666.3	105 644.6	104 417.4
Iraq	818.0	825.0	825.0	8 500.0	8 220.0	9 444.0	34 419.0	34 387.0	33 143.8
Ireland	630.4	720.4	790.0	4 396.2	4 568.0	4 348.0	1 862.5	1 600.6	1 751.0
Israel	153.0	154.0	140.0	566.0	504.5	638.6	1 445.0	1 505.5	1 385.4
Italy	8 369.3	9 028.0	9 673.8	15 637.0	14 327.8	13 000.8	5 565.6	6 216.0	6 897.5
Jamaica	521.0	558.5	604.7	479.0	421.3	417.0	83.0	103.3	65.2
Japan	24 876.0	24 966.0	24 935.0	5 258.0	4 953.0	4 635.0	6 316.0	6 531.0	6 880.0
Jordan	97.5	97.5	97.5	1 069.0	1 002.3	922.5	7 657.5	7 778.2	7 859.4
Kazakhstan	3 156.9	3 082.2	3 513.2	215 393.3	217 161.8	214 265.7	51 419.8	49 726.0	52 191.1
Kenya	3 961.2	3 616.3	3 611.1	26 730.8	27 466.4	28 302.0	26 222.0	25 831.3	25 000.9
Kiribati	1.2	1.2	1.2	34.0	34.0	34.0	45.8	45.8	45.8
Kuwait	4.9	6.3	6.3	148.0	152.0	150.0	1 629.2	1 623.8	1 625.8
Kyrgyzstan	1 180.9	1 229.7	1 351.9	10 714.0	10 611.9	10 597.5	7 285.1	7 338.4	7 230.7
Lao People's Democratic Republic	17 425.0	16 940.5	16 526.5	1 806.0	2 191.6	2 251.0	3 849.0	3 947.9	4 302.5
Latvia	3 241.0	3 372.1	3 418.5	1 588.0	1 805.0	1 970.0	1 393.7	1 045.6	834.5
Lebanon	138.2	137.4	144.5	595.0	640.0	679.3	289.8	245.7	199.8
Lesotho	34.5	34.5	34.5	2 334.0	2 326.0	2 433.0	667.5	675.5	568.5
Liberia	8 222.6	7 920.0	7 556.9	1 367.1	1 667.0	1 923.0	42.2	44.9	121.8
Libya	217.0	217.0	217.0	15 450.0	15 351.0	15 350.0	160 287.0	160 386.0	160 387.0
Lithuania	2 020.0	2 170.0	2 203.9	3 418.0	2 772.3	2 911.3	830.0	1 325.2	1 145.2
Luxembourg	86.7	88.7	88.7	128.0	131.0	132.5	42.7	37.7	36.2
Madagascar	13 030.7	12 562.0	12 403.4	40 500.0	40 895.0	40 895.0	4 623.3	4 697.0	4 868.4
Malawi	3 081.7	2 661.7	2 157.7	4 730.0	5 485.0	6 050.0	1 616.3	1 281.3	1 178.3
Malaysia	19 691.4	18 947.7	19 013.7	6 938.7	7 389.3	8 571.0	6 225.0	6 518.1	5 204.6
Maldives	0.8	0.8	0.8	9.0	6.9	5.9	20.2	22.3	23.3
Mali	13 296.0	13 296.0	13 296.0	38 665.0	41 075.4	43 274.1	70 058.0	67 647.6	65 448.9
Malta	0.4	0.4	0.5	9.0	10.3	8.8	22.7	21.3	20.8
Marshall Islands	9.4	9.4	9.4	8.5	8.5	7.0	0.1	0.1	1.6
Mauritania	421.6	367.2	301.9	39 710.0	39 710.0	39 710.0	62 938.4	62 992.8	63 052.6
Mauritius	41.9	38.4	38.9	101.0	91.0	86.0	60.1	73.6	74.9
Mexico	68 381.4	66 943.3	65 436.5	106 330.0	101 807.0	96 023.0	19 683.7	25 644.7	32 935.5
Micronesia (Federated States of)	63.9	64.1	64.5	5.5	5.0	5.0	0.6	0.9	0.6
Mongolia	14 263.9	14 183.9	14 170.6	130 470.0	114 210.0	112 000.3	10 010.0	27 335.3	29 488.4
Montenegro		827.0	827.0		512.0	254.0		6.0	264.0
Morocco	5 506.5	5 674.6	5 763.4	30 652.0	29 988.3	30 291.0	8 471.5	8 967.1	8 586.0

TABLE 49.
LAND AREA BY TYPE (THOUSAND HA) (CONTINUED)

COUNTRY	FOREST LAND			AGRICULTURAL LAND			OTHER LAND		
	2000	2010	2022	2000	2010	2022	2000	2010	2022
Mozambique	41 188.0	38 972.1	36 267.3	37 450.0	39 665.9	41 413.8	0.0	0.0	726.6
Myanmar	34 868.1	31 441.0	27 964.5	10 812.0	12 526.0	12 980.0	19 673.9	21 359.0	24 032.8
Namibia	8 059.1	7 349.0	6 496.9	38 820.0	38 809.0	38 812.0	35 449.9	36 171.0	36 949.1
Nauru	0.0	0.0	0.0	0.4	0.4	0.4	1.6	1.6	1.6
Nepal	5 780.8	5 962.0	5 962.0	4 249.1	4 126.0	3 744.5	4 305.1	4 247.0	4 491.5
Netherlands (Kingdom of the)	359.5	373.5	371.4	1 959.6	1 872.3	1 804.0	1 056.9	1 127.2	1 191.6
New Zealand	9 850.4	9 848.1	9 931.9	12 339.7	11 408.0	9 747.0	4 140.8	5 074.9	6 652.1
Nicaragua	5 399.3	4 188.2	3 207.5	5 141.0	5 050.0	5 091.0	1 493.7	2 795.9	3 635.5
Niger	1 328.1	1 203.9	1 054.9	37 000.0	43 982.0	46 595.0	88 341.9	81 484.1	79 007.7
Nigeria	24 893.0	23 260.0	21 300.4	65 508.0	67 012.9	69 808.2	676.0	823.0	969.4
North Macedonia	957.6	960.4	1 001.5	1 235.0	1 119.0	1 257.0	350.5	442.6	263.5
Norway	12 113.0	12 102.0	12 195.6	1 042.0	1 005.9	985.0	23 369.4	23 416.5	23 246.4
Oman	3.0	3.0	2.4	1 173.0	1 443.2		29 774.0	29 503.8	29 481.3
Pakistan	4 511.3	4 093.7	3 643.2	36 698.0	35 242.0	35 947.0	35 878.7	37 752.3	37 497.8
Palau	39.6	40.6	41.6	4.3	4.3	4.3	2.1	1.1	0.2
Panama	4 442.1	4 328.0	4 191.0	2 230.0	2 266.4	2 181.3	761.9	839.6	1 034.3
Papua New Guinea	36 278.0	36 178.9	35 788.7	1 088.0	1 267.0	1 405.0	7 920.0	7 840.1	8 092.3
Paraguay	22 991.7	19 570.2	15 543.6	15 095.1	15 829.4	16 628.6	1 643.2	4 330.4	7 429.0
Peru	75 297.8	74 049.8	71 984.7	22 917.9	23 864.7	24 385.6	29 784.3	30 085.5	31 629.7
Philippines	7 309.3	6 839.7	7 258.4	11 234.0	12 100.0	12 683.0	11 273.7	10 877.3	9 910.5
Poland	9 059.0	9 329.0	9 507.0	18 413.0	14 449.0	14 176.0	3 157.0	6 850.0	6 706.0
Portugal	3 281.0	3 252.0	3 312.0	3 956.4	3 654.2	3 919.8	1 839.6	2 179.8	654.6
Qatar	0.0	0.0	0.0	66.0	68.1	74.0	1 095.0	1 092.9	1 075.0
Republic of Korea	6 476.0	6 387.0	6 267.0	1 973.0	1 773.0	1 584.0	1 197.0	1 560.0	1 909.0
Republic of Moldova	344.4	374.5	386.5	2 544.0	2 465.0	2 231.0	399.6	445.5	504.5
Romania	6 366.0	6 515.0	6 929.1	14 857.0	14 156.0	12 678.0	1 748.0	2 334.0	3 401.0
Russian Federation	809 268.5	815 135.6	815 311.6	217 162.0	215 494.0	215 494.0	611 703.5	607 057.4	606 881.4
Rwanda	287.0	265.0	278.0	1 826.0	1 922.0	2 004.5	354.0	280.0	185.5
Saint Kitts and Nevis	11.0	11.0	11.0	9.5	5.7	6.0	5.5	9.3	9.0
Saint Lucia	21.0	20.8	20.8	14.2	9.9	9.9	25.8	30.3	30.3
Saint Vincent and the Grenadines	28.5	28.5	28.5	7.0	7.0	7.0	3.5	3.5	3.5
Samoa	171.3	166.5	160.7	48.0	41.5	49.4	63.7	75.0	67.4
San Marino	1.0	1.0	1.0	1.0	1.0	2.3	4.0	4.0	2.7
Sao Tome and Principe	58.4	58.1	50.7	36.0	33.0	42.0	1.6	4.9	2.7
Saudi Arabia	977.0	977.0	977.0	173 800.0	173 740.0	173 637.4	40 192.0	40 252.0	40 354.6
Senegal	8 853.2	8 468.2	7 988.2	9 027.0	9 278.0	9 511.0	1 372.8	1 506.8	1 713.8
Serbia		2 713.0	2 723.3		3 521.6	3 469.0		2 511.4	2 216.7
Seychelles	33.7	33.7	33.7	4.0	2.4	1.6	8.3	9.9	10.8
Sierra Leone	2 929.4	2 732.2	2 495.4	2 810.0	3 930.4	3 949.0	1 478.6	555.5	753.9
Singapore	17.0	17.7	15.2	1.2	0.7	0.7	48.8	51.7	55.8

TABLE 49.
LAND AREA BY TYPE (THOUSAND HA) (CONTINUED)

COUNTRY	FOREST LAND			AGRICULTURAL LAND			OTHER LAND		
	2000	2010	2022	2000	2010	2022	2000	2010	2022
Slovakia	1 901.4	1 917.9	1 925.9	2 440.0	1 944.7	1 849.0	468.6	946.5	1 004.1
Slovenia	1 233.0	1 247.0	1 233.8	518.0	623.9	610.7	263.0	143.8	165.1
Solomon Islands	2 537.6	2 530.3	2 521.5	76.0	108.0	120.0	185.4	160.7	156.8
Somalia	7 515.0	6 747.5	5 826.5	44 067.0	44 126.0	44 129.0	11 152.0	11 860.5	12 701.8
South Africa	17 778.1	17 414.1	16 977.3	98 125.0	96 891.0	96 341.0	5 405.9	7 003.9	7 954.3
South Sudan			7 157.0			28 252.7			27 783.3
Spain	17 093.9	18 545.3	18 580.8	29 766.0	27 545.0	26 663.4	3 040.1	3 910.7	4 727.3
Sri Lanka	2 166.4	2 103.6	2 106.7	2 350.0	2 620.0	2 812.0	1 754.6	1 547.4	1 247.1
Sudan			18 015.2			112 664.8			55 947.8
Suriname	15 340.9	15 299.9	15 171.8	88.0	78.3	72.0	621.9	672.6	807.0
Sweden	28 163.0	28 073.0	27 980.0	2 974.1	3 073.7	2 995.0	9 596.9	9 587.3	9 625.0
Switzerland	1 196.2	1 234.7	1 276.0	1 565.8	1 534.4	1 496.3	1 190.4	1 182.2	1 149.1
Syrian Arab Republic	432.1	492.1	522.1	13 711.0	13 908.0	14 848.3	4 234.9	3 962.9	3 147.6
Tajikistan	410.0	410.0	425.8	4 573.0	3 808.2	3 896.2	9 013.0	9 777.8	9 557.0
Thailand	18 998.0	20 073.0	19 801.0	21 895.0	22 824.0	23 500.0	10 196.0	8 192.0	7 752.0
Timor-Leste	949.1	935.1	918.3	337.0	338.0	341.4	200.9	213.9	225.9
Togo	1 268.5	1 238.9	1 203.4	3 400.0	3 665.0	3 820.0	770.5	535.1	412.7
Tonga	9.0	9.0	9.0	30.0	32.0	35.0	33.1	31.1	28.1
Trinidad and Tobago	236.7	232.4	227.4	67.0	54.0	54.0	209.4	226.6	231.7
Tunisia	667.9	687.4	705.8	9 551.0	10 038.0	9 700.5	5 317.2	4 810.6	5 131.2
Türkiye	20 148.4	21 083.1	22 532.4	40 479.0	39 012.0	38 482.0	16 335.7	16 867.9	15 948.6
Turkmenistan	4 127.0	4 127.0	4 127.0	35 500.0	34 000.0	39 734.3	7 366.0	8 866.0	9 112.6
Tuvalu	1.0	1.0	1.0	2.0	1.8	1.8	0.0	0.2	0.2
Uganda	3 163.0	2 750.4	2 255.4	12 512.0	14 265.0	14 415.0	4 306.1	3 036.6	3 340.4
Ukraine	9 510.0	9 548.0	9 702.0	41 406.0	41 267.0	41 311.0	7 019.0	7 117.0	6 346.0
United Arab Emirates	309.4	317.3	317.3	547.0	392.3	391.6	6 245.6	6 392.4	6 372.6
United Kingdom of Great Britain and Northern Ireland	2 954.0	3 059.0	3 206.9	16 964.0	17 224.0	16 831.7	4 275.0	3 910.0	3 809.9
United Republic of Tanzania	53 670.0	49 950.0	44 807.0	34 000.0	37 399.0	39 521.2	910.0	1 231.0	3 782.8
United States of America	303 536.0	308 720.0	309 795.0	414 399.0	412 857.6	412 412.8	185 090.1	180 131.0	179 302.1
Uruguay	1 369.0	1 731.3	2 073.0	14 958.0	14 433.0	14 154.5	1 175.0	1 337.7	1 274.5
Uzbekistan	2 961.5	3 349.6	3 741.3	27 328.0	25 598.0	25 769.0	13 307.0	14 641.6	14 091.6
Vanuatu	442.3	442.3	442.3	175.0	187.0	187.0	601.7	589.7	589.7
Venezuela (Bolivarian Republic of)	49 151.0	47 505.0	46 126.8	21 635.0	21 500.0	21 500.0	17 419.0	19 200.0	20 531.6
Viet Nam	11 784.1	13 388.1	14 794.9	8 780.0	10 760.1	12 315.0	10 541.9	7 181.2	4 233.0
Yemen	549.0	549.0	549.0	23 669.0	23 579.0	23 452.0	28 579.0	28 669.0	28 796.0
Zambia	47 054.0	46 696.0	44 437.6	22 526.0	23 436.0	23 839.0	4 759.0	4 207.0	5 874.2
Zimbabwe	18 366.0	17 905.3	17 352.4	15 119.5	16 147.8	15 276.4	5 199.6	4 631.9	6 056.1

Source: FAO. 2024. FAOSTAT: Land Use. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/RL>. Licence: CC-BY-4.0

TABLE 50.
SHARE OF FOREST AREA IN TOTAL LAND AREA (PERCENT)

COUNTRY	2000	2005	2010	2015	2018	2019	2020	2021	2022
World	32.0	31.7	31.5	31.3	31.2	31.2	31.2	31.2	31.1
Africa	24.0	23.3	22.7	21.9	21.5	21.4	21.3	21.1	21.0
Americas	43.3	42.7	42.0	41.7	41.4	41.4	41.3	41.4	41.4
Asia	18.9	19.3	19.6	19.8	19.9	20.0	20.0	20.1	20.1
Europe	45.3	45.5	45.8	45.9	46.0	46.0	46.0	46.0	46.0
Oceania	21.6	21.5	21.3	21.7	21.8	21.8	21.8	21.8	21.8
Afghanistan	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
Albania	28.1	28.3	28.5	28.8	28.8	28.8	28.8	28.8	28.8
Algeria	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Andorra	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
Angola	62.3	60.1	57.9	55.7	54.3	53.9	53.4	53.0	52.5
Antigua and Barbuda	21.5	20.7	20.0	19.2	18.8	18.6	18.5	18.3	18.2
Argentina	12.2	11.6	11.0	10.6	10.5	10.5	10.4	10.4	10.4
Armenia	11.7	11.7	11.6	11.6	11.6	11.5	11.5	11.5	11.5
Australia	17.2	17.0	16.9	17.3	17.4	17.4	17.4	17.4	17.4
Austria	46.5	46.7	46.8	47.0	47.2	47.1	47.1	47.2	47.2
Azerbaijan	12.0	12.2	12.5	13.0	13.4	13.6	13.7	13.8	14.0
Bahamas	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
Bahrain	0.5	0.6	0.7	0.8	0.9	0.9	0.9	0.9	0.9
Bangladesh	14.8	14.6	14.5	14.5	14.5	14.5	14.5	14.5	14.5
Barbados	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
Belarus	40.8	41.7	42.5	42.5	43.1	43.1	43.2	43.3	43.3
Belgium	22.0	22.4	22.7	22.7	22.6	22.6	22.6	22.6	22.6
Belize	64.0	62.5	61.0	58.4	57.0	56.5	56.0	55.5	55.0
Benin	36.7	34.5	32.2	30.0	28.7	28.3	27.8	27.4	26.9
Bhutan	65.5	69.7	71.0	71.2	71.4	71.4	71.5	71.5	71.6
Bolivia (Plurinational State of)	50.9	49.9	49.0	48.0	47.3	47.1	46.9	46.7	46.5
Bosnia and Herzegovina	41.2	41.2	41.1	42.2	42.7	42.7	42.7	42.7	42.7
Botswana	31.1	30.1	29.0	28.0	27.3	27.1	26.9	26.7	26.5
Brazil	65.9	63.6	61.2	60.3	59.7	59.6	59.4	59.3	59.1
Brunei Darussalam	75.3	73.7	72.1	72.1	72.1	72.1	72.1	72.1	72.1
Bulgaria	30.5	32.7	34.4	35.3	35.6	35.7	35.9	36.0	36.1
Burkina Faso	26.4	25.5	24.6	23.6	23.1	22.9	22.7	22.5	22.4
Burundi	7.6	7.6	7.6	10.9	10.9	10.9	10.9	10.9	10.9
Cabo Verde	9.9	10.2	10.6	11.0	11.2	11.3	11.3	11.4	11.5
Cambodia	61.1	60.5	60.0	50.1	47.5	46.6	45.7	44.8	43.9
Cameroon	45.7	45.0	44.2	43.6	43.3	43.2	43.0	42.9	42.8
Canada	38.8	38.8	38.7	38.7	38.7	38.7	38.7	39.5	39.5
Central African Republic	36.8	36.5	36.3	36.0	35.9	35.9	35.8	35.8	35.7
Chad	5.1	4.7	4.4	3.9	3.6	3.5	3.4	3.3	3.3
Chile	21.3	21.9	22.5	23.7	24.2	24.3	24.5	24.7	24.8
China	18.8	20.0	21.3	22.3	22.9	23.1	23.3	23.5	23.7
Colombia	56.5	55.7	54.8	54.2	53.7	53.5	53.3	53.1	53.0
Comoros	22.4	21.2	20.0	18.9	18.2	17.9	17.7	17.5	17.2

TABLE 50.
SHARE OF FOREST AREA IN TOTAL LAND AREA (PERCENT) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2018	2019	2020	2021	2022
Congo	65.0	64.8	64.6	64.5	64.4	64.3	64.3	64.2	64.2
Costa Rica	56.0	56.1	56.2	57.8	58.8	59.1	59.4	59.8	60.1
Côte d'Ivoire	16.0	14.3	12.5	10.7	9.6	9.3	8.9	8.6	8.2
Croatia	33.7	34.0	34.3	34.3	34.6	34.6	34.7	34.7	34.7
Cuba	22.7	25.2	27.6	30.6	31.2	31.2	31.2	31.2	31.2
Cyprus	18.6	18.6	18.7	18.7	18.7	18.7	18.7	18.7	18.7
Czechia	34.1	34.3	34.4	34.6	34.6	34.7	34.7	34.7	34.7
Democratic People's Republic of Korea	53.6	52.7	51.8	51.0	50.4	50.3	50.1	49.9	49.7
Democratic Republic of the Congo	63.5	62.0	60.5	58.1	56.6	56.1	55.7	55.2	54.7
Denmark	14.3	14.5	14.7	15.6	15.7	15.7	15.7	15.7	15.8
Djibouti	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3
Dominica	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
Dominican Republic	40.8	41.9	42.9	43.5	44.1	44.3	44.5	44.7	44.8
Ecuador	55.3	53.9	52.5	51.6	50.8	50.6	50.3	50.1	49.8
Egypt	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
El Salvador	32.5	31.4	30.4	29.3	28.6	28.4	28.2	28.0	27.8
Equatorial Guinea	93.3	91.8	90.3	88.8	87.9	87.6	87.3	87.0	86.7
Eritrea	11.1	9.1	9.0	8.9	8.8	8.7	8.7	8.7	8.7
Estonia	52.8	54.0	55.1	55.7	57.0	57.0	57.0	57.0	57.1
Eswatini	27.5	27.9	28.2	28.6	28.8	28.9	28.9	29.0	29.1
Ethiopia	18.5	16.1	15.8	15.5	15.3	15.2	15.1	15.1	15.0
Fiji	55.1	56.9	58.7	60.6	61.7	62.0	62.4	62.8	63.1
Finland	73.7	73.4	73.2	73.7	73.7	73.7	73.7	73.7	73.7
France	27.9	29.0	30.0	30.8	31.2	31.4	31.5	31.7	31.8
Gabon	92.0	91.9	91.8	91.6	91.4	91.4	91.3	91.3	91.2
Gambia	35.3	32.5	29.6	26.8	25.1	24.6	24.0	23.4	22.9
Georgia	39.7	40.2	40.6	40.6	40.6	40.6	40.6	40.6	40.6
Germany	32.5	32.6	32.7	32.7	32.7	32.7	32.7	32.7	32.7
Ghana	38.9	36.9	34.9	34.6	35.0	35.1	35.1	35.1	35.2
Greece	27.9	29.1	30.3	30.3	30.3	30.3	30.3	30.3	30.3
Grenada	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
Guatemala	39.3	37.0	34.7	33.5	33.1	33.0	32.9	32.8	32.7
Guinea	28.2	27.5	26.7	26.0	25.5	25.4	25.2	25.0	24.9
Guinea-Bissau	76.4	74.9	73.4	71.9	71.0	70.7	70.4	70.1	69.8
Guyana	94.3	94.2	94.1	93.8	93.6	93.6	93.6	93.5	93.5
Haiti	13.8	13.8	13.7	13.2	12.8	12.7	12.6	12.5	12.4
Honduras	60.6	59.7	58.8	57.8	57.2	57.0	56.8	56.7	56.5
Hungary	21.4	22.1	22.6	22.6	22.5	22.5	22.5	22.5	22.5
Iceland	0.3	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5
India	22.7	23.1	23.4	23.8	24.1	24.2	24.3	24.4	24.5
Indonesia	53.9	53.5	53.1	50.6	49.7	49.4	49.1	48.4	48.0
Iran (Islamic Republic of)	5.7	6.2	6.6	6.6	6.6	6.6	6.6	6.6	6.6
Iraq	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
Ireland	9.2	9.8	10.5	11.0	11.2	11.3	11.4	11.4	11.5

TABLE 50.
SHARE OF FOREST AREA IN TOTAL LAND AREA (PERCENT) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2018	2019	2020	2021	2022
Israel	7.1	7.1	7.1	7.6	6.5	6.5	6.5	6.5	6.5
Italy	28.3	29.4	30.5	31.4	32.0	32.2	32.4	32.5	32.7
Jamaica	48.1	49.8	51.6	53.3	54.4	54.8	55.1	55.5	55.8
Japan	68.3	68.4	68.5	68.4	68.4	68.4	68.4	68.4	68.4
Jordan	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Kazakhstan	1.2	1.2	1.1	1.2	1.3	1.3	1.3	1.3	1.3
Kenya	7.0	6.7	6.4	6.2	6.3	6.3	6.3	6.3	6.3
Kiribati	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Kuwait	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Kyrgyzstan	6.2	6.3	6.4	6.5	6.7	6.8	6.9	7.0	7.1
Lao People's Democratic Republic	75.5	74.5	73.4	72.7	72.2	72.1	71.9	71.8	71.6
Latvia	52.1	53.1	54.2	54.5	54.7	54.8	54.8	54.9	54.9
Lebanon	13.5	13.5	13.4	13.7	13.9	14.0	14.0	14.1	14.1
Lesotho	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Liberia	85.4	83.8	82.2	80.7	79.7	79.4	79.1	78.8	78.5
Libya	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Lithuania	32.2	33.4	34.6	34.9	35.1	35.1	35.2	35.2	35.2
Luxembourg	33.7	34.1	34.5	34.5	34.5	34.5	34.5	34.5	34.5
Madagascar	22.4	22.0	21.6	21.5	21.4	21.4	21.4	21.3	21.3
Malawi	32.7	30.5	28.2	26.0	24.7	24.2	23.8	23.3	22.9
Malaysia	59.9	58.8	57.7	59.2	58.5	58.3	58.2	58.0	57.9
Maldives	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
Mali	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9
Malta	1.1	1.1	1.1	1.1	1.4	1.4	1.4	1.4	1.4
Marshall Islands	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
Mauritania	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3
Mauritius	20.7	19.8	18.9	19.2	19.4	19.4	19.4	19.4	19.5
Mexico	35.2	34.8	34.4	34.1	33.9	33.9	33.8	33.7	33.7
Micronesia (Federated States of)	91.2	91.4	91.6	91.8	91.9	92.0	92.0	92.1	92.1
Mongolia	9.2	9.2	9.1	9.1	9.1	9.1	9.1	9.1	9.1
Montenegro			61.5	61.5	61.5	61.5	61.5	61.5	61.5
Morocco	12.3	12.5	12.7	12.7	12.8	12.8	12.9	12.9	12.9
Mozambique	52.4	51.0	49.6	48.3	47.3	47.0	46.7	46.4	46.1
Myanmar	53.4	50.7	48.1	45.9	44.6	44.2	43.7	43.3	42.9
Namibia	9.8	9.4	8.9	8.5	8.2	8.2	8.1	8.0	7.9
Nauru	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nepal	40.3	41.0	41.6	41.6	41.6	41.6	41.6	41.6	41.6
Netherlands (Kingdom of the)	10.7	10.9	11.1	10.8	10.9	11.0	11.0	11.0	11.0
New Zealand	37.4	37.4	37.4	37.4	37.4	37.5	37.6	37.6	37.7
Nicaragua	44.9	39.8	34.8	32.5	30.0	29.2	28.3	27.5	26.7
Niger	1.1	1.0	1.0	0.9	0.9	0.9	0.9	0.8	0.8
Nigeria	27.3	26.4	25.5	24.6	24.1	23.9	23.8	23.6	23.4
North Macedonia	37.7	37.7	38.1	39.4	39.7	39.7	39.7	39.7	39.7
Norway	33.2	33.2	33.1	33.3	33.3	33.3	33.4	33.5	33.5

TABLE 50.
SHARE OF FOREST AREA IN TOTAL LAND AREA (PERCENT) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2018	2019	2020	2021	2022
Oman	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pakistan	5.9	5.6	5.3	5.1	4.9	4.9	4.8	4.8	4.7
Palau	86.0	87.1	88.2	89.1	89.7	89.9	90.0	90.2	90.4
Panama	59.8	59.0	58.2	57.6	57.1	57.0	56.8	56.7	56.5
Papua New Guinea	80.1	80.0	79.9	79.6	79.3	79.3	79.2	79.1	79.0
Paraguay	57.9	53.6	49.3	44.0	41.9	41.2	40.5	39.8	39.3
Peru	58.8	58.3	57.9	57.2	56.8	56.6	56.5	56.4	56.2
Philippines	24.5	23.7	22.9	23.5	23.9	24.0	24.1	24.2	24.3
Poland	29.6	30.0	30.5	30.8	30.9	30.9	31.0	31.0	31.1
Portugal	35.9	35.7	35.5	36.2	36.2	36.2	36.2	36.2	36.2
Qatar	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Republic of Korea	67.1	66.4	65.7	65.0	64.7	64.5	64.4	64.3	64.2
Republic of Moldova	10.5	10.9	11.4	11.8	11.8	11.8	11.8	11.7	11.8
Romania	27.7	28.0	28.3	30.0	30.1	30.1	30.1	30.1	30.1
Russian Federation	49.4	49.6	49.8	49.8	49.8	49.8	49.8	49.8	49.8
Rwanda	11.6	11.2	10.7	10.9	11.1	11.2	11.2	11.2	11.3
Saint Kitts and Nevis	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
Saint Lucia	34.4	34.3	34.1	34.1	34.1	34.1	34.1	34.1	34.1
Saint Vincent and the Grenadines	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
Samoa	60.5	59.7	58.8	58.0	58.5	58.3	58.2	58.0	57.8
San Marino	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7
Sao Tome and Principe	60.8	60.7	60.5	57.3	55.4	54.7	54.1	53.4	52.8
Saudi Arabia	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Senegal	46.0	45.0	44.0	42.9	42.3	42.1	41.9	41.7	41.5
Serbia			31.0	31.1	31.1	31.1	32.4	32.4	32.4
Seychelles	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
Sierra Leone	40.6	39.2	37.9	36.5	35.7	35.4	35.1	34.9	34.6
Singapore	25.4	25.2	25.3	23.2	22.3	22.0	21.7	21.4	21.2
Slovakia	39.5	39.7	39.9	40.0	40.1	40.1	40.1	40.1	40.1
Slovenia	61.2	61.6	61.9	62.0	61.7	61.6	61.5	61.4	61.3
Solomon Islands	90.7	90.5	90.4	90.3	90.2	90.2	90.1	90.1	90.1
Somalia	12.0	11.4	10.8	10.1	9.8	9.7	9.5	9.4	9.3
South Africa	14.7	14.5	14.4	14.2	14.1	14.1	14.1	14.0	14.0
South Sudan				11.3	11.3	11.3	11.3	11.3	11.3
Spain	34.3	35.7	37.1	37.1	37.2	37.2	37.2	37.2	37.2
Sri Lanka	34.6	34.1	33.6	34.4	34.3	34.2	34.2	34.1	34.1
Sudan				10.3	10.0	9.9	9.8	9.7	9.6
Suriname	95.6	95.5	95.3	95.0	94.8	94.8	94.7	94.6	94.5
Sweden	69.1	69.0	68.9	68.7	68.7	68.7	68.7	68.7	68.7
Switzerland	30.3	30.8	31.3	31.7	32.0	32.0	32.1	32.2	32.3
Syrian Arab Republic	2.4	2.5	2.7	2.8	2.8	2.8	2.8	2.8	2.8
Tajikistan	2.9	2.9	2.9	3.0	3.0	3.1	3.1	3.1	3.1
Thailand	37.2	38.2	39.3	39.3	39.0	39.0	38.9	38.8	38.8
Timor-Leste	63.8	63.4	62.9	62.4	62.1	62.0	61.9	61.9	61.8

TABLE 50.
SHARE OF FOREST AREA IN TOTAL LAND AREA (PERCENT) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2018	2019	2020	2021	2022
Togo	23.3	23.1	22.8	22.5	22.3	22.3	22.2	22.2	22.1
Tonga	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4
Trinidad and Tobago	46.1	45.7	45.3	44.9	44.7	44.6	44.5	44.4	44.3
Tunisia	4.3	4.4	4.4	4.5	4.5	4.5	4.5	4.5	4.5
Türkiye	26.2	26.8	27.4	28.1	28.5	28.7	28.9	29.1	29.3
Turkmenistan	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
Tuvalu	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
Uganda	15.8	14.8	13.7	12.7	12.1	11.9	11.7	11.5	11.3
Ukraine	16.4	16.5	16.5	16.7	16.7	16.7	16.7	16.7	16.7
United Arab Emirates	4.4	4.4	4.5	4.5	4.5	4.5	4.5	4.5	4.5
United Kingdom of Great Britain and Northern Ireland	12.2	12.4	12.6	13.0	13.1	13.2	13.2	13.2	13.3
United Republic of Tanzania	60.6	58.5	56.4	54.3	52.7	52.2	51.6	51.1	50.6
United States of America	33.1	33.4	33.8	33.9	33.9	33.9	33.9	33.9	33.9
Uruguay	7.8	8.9	9.9	11.0	11.4	11.5	11.6	11.7	11.8
Uzbekistan	6.8	7.2	7.7	8.1	8.3	8.3	8.4	8.4	8.5
Vanuatu	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3
Venezuela (Bolivarian Republic of)	55.7	54.8	53.9	52.9	52.5	52.5	52.4	52.4	52.3
Viet Nam	37.9	40.2	42.7	44.9	46.2	46.5	46.7	47.0	47.2
Yemen	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Zambia	63.3	63.1	62.8	61.6	60.8	60.5	60.3	60.0	59.8
Zimbabwe	47.5	46.9	46.3	45.7	45.3	45.2	45.1	45.0	44.9

Source: FAO. 2024. FAOSTAT: Land Use. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/RL>. Licence: CC-BY-4.0.

TABLE 51.
PRIMARY CROPS HARVESTED AREA BY COMMODITY GROUP, 2022 (THOUSAND HA)

COUNTRY	CEREALS	OIL CROPS	ROOTS AND TUBERS	FRUIT	VEGETABLES	SUGAR CROPS	OTHER	TOTAL
World	739 666	338 550	70 205	67 343	57 888	30 388	166 981	1 471 020
Africa	124 345	51 746	43 635	14 902	9 990	1 784	51 398	297 799
Americas	132 608	122 814	4 122	9 431	3 178	14 139	22 238	308 530
Asia	341 670	116 878	17 853	35 299	41 356	11 087	83 832	647 974
Europe	120 869	43 423	4 264	7 091	3 190	2 969	6 796	188 602
Oceania	20 172	3 689	330	621	175	409	2 718	28 115
Afghanistan	2 368	120	56	335	115	2	166	3 160
Albania	134	50	10	36	35	1	28	295
Algeria	1 942	458	137	527	301	0	138	3 503
Andorra								
Angola	3 053	461	1 272	283	157	25	741	5 993
Antigua and Barbuda	0	1	0	1	0	0	0	2
Argentina	16 887	19 064	113	437	169	485	1 013	38 168
Armenia	116	0	20	57	19	4	4	221
Australia	20 048	2 998	33	282	74	362	2 486	26 284
Austria	747	178	23	53	16	38	22	1 077
Azerbaijan	988	127	56	137	68	5	73	1 454
Bahamas	0	0	1	2	3	2	0	9
Bahrain	0	0	0	3	0	0	0	4
Bangladesh	12 521	516	495	560	709	86	1 552	16 439
Barbados	0	0	0	1	1	2	1	5
Belarus	2 291	411	175	94	59	87	146	3 262
Belgium	310	9	90	20	67	55	7	558
Belize	32	13	0	14	2	42	13	116
Benin	1 639	1 154	623	59	117	2	645	4 238
Bhutan	23	1	6	4	6	0	12	52
Bolivia (Plurinational State of)	1 483	1 617	238	147	86	184	203	3 958
Bosnia and Herzegovina	317	12	34	42	138	0	18	561
Botswana	122	4	9	3	5	0	37	179
Brazil	25 023	41 480	1 416	2 294	344	9 971	6 268	86 796
Brunei Darussalam	2	0	1	2	6	0	4	14
Bulgaria	1 956	977	11	71	16	0	41	3 073
Burkina Faso	4 254	1 849	31	230	150	5	1 315	7 835
Burundi	310	30	428	185	54	3	853	1 863
Cabo Verde	28	2	1	1	1	3	31	66
Cambodia	3 620	140	727	121	101	21	571	5 302
Cameroon	2 152	1 136	829	650	656	25	1 434	6 882
Canada	15 239	11 645	154	89	94	15	3 474	30 711
Central African Republic	354	428	311	70	84	21	795	2 063
Chad	3 218	1 481	126	37	10	5	276	5 153
Chile	468	65	38	398	71	7	128	1 175
China	100 405	25 723	8 402	15 746	23 479	1 365	8 699	183 820
Colombia	1 064	589	256	861	113	347	1 219	4 449
Comoros	11	36	19	15	3	0	53	136

TABLE 51.
PRIMARY CROPS HARVESTED AREA BY COMMODITY GROUP, 2022 (THOUSAND HA) (CONTINUED)

COUNTRY	CEREALS	OIL CROPS	ROOTS AND TUBERS	FRUIT	VEGETABLES	SUGAR CROPS	OTHER	TOTAL
Congo	34	71	171	40	9	20	85	429
Costa Rica	45	81	15	181	9	57	111	498
Côte d'Ivoire	1 322	1 177	2 645	956	203	26	8 076	14 405
Croatia	520	182	9	40	32	10	22	814
Cuba	194	7	169	197	142	348	123	1 179
Cyprus	26	10	4	13	2	0	3	57
Czechia	1 346	442	23	31	9	61	48	1 960
Democratic People's Republic of Korea	1 366	183	192	242	269	0	475	2 727
Democratic Republic of the Congo	4 417	1 138	5 914	1 370	89	60	1 041	14 029
Denmark	1 360	162	56	4	12	33	32	1 660
Djibouti	0	0	0	1	5	0	38	44
Dominica	0	3	5	9	1	0	12	30
Dominican Republic	222	71	41	211	46	128	117	837
Ecuador	734	185	49	390	66	131	679	2 235
Egypt	3 147	348	231	710	616	431	143	5 626
El Salvador	322	12	8	20	7	78	246	692
Equatorial Guinea	0	9	50	15	0	0	19	93
Eritrea	477	87	15	1	14	0	51	645
Estonia	367	84	3	3	1	0	49	507
Eswatini	72	7	14	18	2	60	6	178
Ethiopia	10 583	799	175	178	326	20	3 404	15 483
Fiji	3	5	12	5	5	34	3	68
Finland	954	37	20	7	11	11	29	1 068
France	9 326	1 896	212	929	268	408	464	13 502
Gabon	29	49	112	63	10	5	18	286
Gambia	107	78	3	2	2	0	14	205
Georgia	159	4	16	149	13	0	41	383
Germany	6 053	1 086	258	172	108	391	236	8 304
Ghana	2 058	873	1 899	486	84	6	2 926	8 332
Greece	771	925	12	248	60	0	194	2 211
Grenada	0	2	1	4	1	0	3	11
Guatemala	971	266	26	233	99	223	721	2 539
Guinea	3 003	1 193	461	310	207	6	818	5 998
Guinea-Bissau	207	128	26	25	7	0	234	628
Guyana	159	12	4	9	3	21	7	216
Haiti	354	83	214	237	33	23	370	1 313
Honduras	398	223	11	41	14	60	508	1 254
Hungary	2 362	998	9	133	34	12	24	3 572
Iceland	2	0	0	0	0	0	0	3
India	101 522	44 319	2 537	7 372	8 932	4 851	42 135	211 668
Indonesia	13 400	18 073	791	892	1 190	520	9 048	43 912
Iran (Islamic Republic of)	9 073	418	88	996	382	174	1 370	12 501
Iraq	1 942	12	19	522	123	6	11	2 636
Ireland	275	11	9	1	4	0	10	309

TABLE 51.
PRIMARY CROPS HARVESTED AREA BY COMMODITY GROUP, 2022 (THOUSAND HA) (CONTINUED)

COUNTRY	CEREALS	OIL CROPS	ROOTS AND TUBERS	FRUIT	VEGETABLES	SUGAR CROPS	OTHER	TOTAL
Israel	80	43	17	79	75	0	37	332
Italy	2 978	1 550	47	1 126	332	28	298	6 358
Jamaica	2	18	17	31	18	10	16	113
Japan	1 753	154	124	179	367	81	93	2 752
Jordan	67	57	5	28	30	0	1	188
Kazakhstan	15 786	3 108	194	173	173	12	365	19 811
Kenya	2 668	250	345	241	200	92	2 181	5 978
Kiribati	0	28	0	2	0	0	0	30
Kuwait	2	0	1	4	6	0	0	13
Kyrgyzstan	590	36	75	63	57	10	121	951
Lao People's Democratic Republic	969	33	274	66	179	23	250	1 794
Latvia	768	148	7	8	2	0	48	982
Lebanon	61	66	24	64	26	0	22	262
Lesotho	101	0	7	4	4	0	41	157
Liberia	243	38	84	40	24	27	272	729
Libya	313	249	16	91	43	0	59	772
Lithuania	1 357	323	15	22	9	15	153	1 894
Luxembourg	26	2	1	1	0	0	0	31
Madagascar	1 729	141	530	257	49	100	432	3 238
Malawi	2 112	699	639	226	145	29	903	4 753
Malaysia	658	5 405	7	142	63	1	1 173	7 449
Maldives	0	0	0	0	2	0	1	3
Mali	6 119	1 352	58	192	201	10	635	8 568
Malta	0	0	1	0	0	0	0	1
Marshall Islands	0	7	0	0	0	0	0	7
Mauritania	244	5	4	15	1	0	98	367
Mauritius	0	1	1	2	6	42	1	52
Mexico	9 431	766	76	1 587	694	809	2 786	16 150
Micronesia (Federated States of)	0	18	1	1	0	0	0	21
Mongolia	433	99	21	3	11	0	4	571
Montenegro	2	0	2	8	1	0	1	14
Morocco	4 488	1 138	52	488	132	55	617	6 970
Mozambique	2 316	1 121	1 018	124	122	41	1 835	6 576
Myanmar	8 054	3 357	64	470	375	206	4 491	17 016
Namibia	325	1	44	14	7	0	21	412
Nauru	0	0	0	0	0	0	0	0
Nepal	3 469	283	229	148	306	64	427	4 926
Netherlands (Kingdom of the)	170	4	159	20	98	81	6	537
New Zealand	113	3	12	76	35	0	16	254
Nicaragua	385	96	40	50	7	72	425	1 073
Niger	9 719	1 242	31	111	205	12	5 997	17 318
Nigeria	18 474	12 026	20 649	1 969	4 085	87	7 138	64 428
North Macedonia	159	11	13	65	43	0	41	331
Norway	283	2	12	4	8	0	3	312

TABLE 51.
PRIMARY CROPS HARVESTED AREA BY COMMODITY GROUP, 2022 (THOUSAND HA) (CONTINUED)

COUNTRY	CEREALS	OIL CROPS	ROOTS AND TUBERS	FRUIT	VEGETABLES	SUGAR CROPS	OTHER	TOTAL
Oman	7	0	0	34	22	0	0	64
Pakistan	14 703	3 375	248	761	460	1 261	1 394	22 201
Palau								
Panama	154	31	11	72	8	36	40	353
Papua New Guinea	4	418	238	230	46	13	186	1 135
Paraguay	1 649	3 826	194	74	16	105	131	5 994
Peru	1 208	129	498	498	233	85	836	3 486
Philippines	7 370	3 752	329	1 322	772	420	679	14 644
Poland	7 451	1 049	236	351	136	251	342	9 816
Portugal	209	388	17	260	53	0	239	1 165
Qatar	0	0	0	3	3	0	0	6
Republic of Korea	797	116	45	177	236	0	69	1 441
Republic of Moldova	939	449	22	220	39	16	67	1 753
Romania	5 357	1 715	85	315	99	20	90	7 681
Russian Federation	43 460	16 260	1 142	685	468	994	2 116	65 126
Rwanda	533	91	433	305	110	8	768	2 249
Saint Kitts and Nevis	0	1	0	0	0	0	0	2
Saint Lucia	0	2	1	1	0	0	0	5
Saint Vincent and the Grenadines	0	1	1	7	0	0	2	11
Samoa	0	21	4	7	1	0	3	36
San Marino								
Sao Tome and Principe	0	2	4	5	0	0	31	42
Saudi Arabia	186	35	20	210	53	0	5	509
Senegal	1 906	1 302	111	133	86	11	315	3 864
Serbia	1 778	477	27	207	67	39	39	2 636
Seychelles	0	1	0	0	1	0	0	2
Sierra Leone	1 084	128	190	52	69	1	205	1 728
Singapore	0	0	0	0	1	0	0	1
Slovakia	718	290	6	12	7	22	13	1 067
Slovenia	102	11	3	19	6	0	3	144
Solomon Islands	1	63	15	2	0	0	20	101
Somalia	354	108	11	23	27	6	88	617
South Africa	3 856	1 474	99	331	150	239	123	6 274
South Sudan	995	998	121	84	60	0	44	2 302
Spain	6 035	3 436	63	1 554	338	30	1 240	12 695
Sri Lanka	1 234	494	30	112	170	14	654	2 708
Sudan	10 022	9 019	148	290	257	59	425	20 219
Suriname	57	1	0	3	1	2	0	65
Sweden	983	110	24	4	14	29	43	1 206
Switzerland	142	32	11	22	17	16	7	247
Syrian Arab Republic	3 065	751	26	262	99	0	478	4 682
Tajikistan	377	192	58	145	67	0	25	864
Thailand	12 520	1 232	1 698	960	364	1 485	3 964	22 224
Timor-Leste	84	16	18	3	19	0	32	173

TABLE 51.
PRIMARY CROPS HARVESTED AREA BY COMMODITY GROUP, 2022 (THOUSAND HA) (CONTINUED)

COUNTRY	CEREALS	OIL CROPS	ROOTS AND TUBERS	FRUIT	VEGETABLES	SUGAR CROPS	OTHER	TOTAL
Togo	1 221	410	419	10	29	0	491	2 580
Tonga	0	4	2	5	7	0	0	19
Trinidad and Tobago	3	3	1	14	2	0	9	33
Tunisia	1 156	1 274	26	256	120	2	344	3 178
Türkiye	10 918	2 443	139	1 342	677	289	2 530	18 337
Turkmenistan	724	620	37	54	23	18	11	1 487
Tuvalu	0	2	0	0	0	0	0	3
Uganda	1 688	1 031	1 173	2 516	239	97	1 816	8 561
Ukraine	15 651	9 066	1 283	274	461	227	331	27 293
United Arab Emirates	1	0	0	41	7	0	0	50
United Kingdom of Great Britain and Northern Ireland	3 211	348	137	29	123	95	342	4 285
United Republic of Tanzania	7 252	3 529	1 668	814	416	49	2 861	16 588
United States of America	54 729	41 282	436	1 064	821	827	2 425	101 585
Uruguay	736	1 090	12	26	8	7	7	1 887
Uzbekistan	1 520	1 072	98	396	224	0	43	3 354
Vanuatu	2	90	7	2	1	0	3	105
Venezuela (Bolivarian Republic of)	659	149	76	217	62	61	338	1 562
Viet Nam	8 122	406	642	791	1 016	166	2 486	13 629
Yemen	577	28	17	105	45	0	309	1 081
Zambia	1 566	762	176	28	53	48	222	2 855
Zimbabwe	1 322	356	76	47	36	47	244	2 126

Source: FAO. 2023. FAOSTAT: Production: Crops and livestock products. [Accessed on 15 November 2024].

<https://www.fao.org/faostat/en/#data/QCL>. Licence: CC-BY-4.0.

TABLE 52.
AREA UNDER ORGANIC AGRICULTURE (THOUSAND HA)

COUNTRY	2004	2005	2010	2015	2018	2019	2020	2021	2022
World	21 891.6	29 211.1	35 803.5	50 967.7	71 116.5	72 236.7	75 214.9	76 592.0	78 035.6
Africa	624.2	952.9	1 023.6	1 682.4	2 006.8	2 123.6	2 354.8	2 734.9	2 754.3
Americas	3 214.4	7 090.4	10 178.2	9 765.0	11 545.0	12 056.9	13 847.6	13 457.7	12 414.8
Asia	211.8	2 837.1	3 271.4	4 483.4	6 980.7	6 462.9	6 534.3	6 863.4	9 147.6
Europe	5 764.2	6 567.8	9 545.1	12 198.4	14 654.5	15 712.1	16 570.6	17 591.5	17 854.2
Oceania	12 077.0	11 763.0	11 785.2	22 838.5	35 929.5	35 881.2	35 907.6	35 944.5	35 864.7
Afghanistan			0.1	0.1	0.8	0.8	0.1	0.1	0.1
Albania		1.2	4.2		0.7	0.6	0.9	1.1	0.7
Algeria	1.4	0.9	0.6	1.4	0.8	0.8	0.8	0.8	1.1
Andorra			0.0	0.0	0.0	0.0	0.0	0.0	0.0
Angola			2.5						
Antigua and Barbuda									
Argentina	2 646.0	2 682.0	4 144.0	3 064.0	3 617.0	3 631.0	4 400.0	3 900.0	3 600.0
Armenia		0.3	0.8	1.8	0.7	0.6	0.6	0.6	0.7
Australia	12 077.0	11 716.0	11 641.7	22 690.0	35 687.8	35 687.8	35 687.8	35 687.8	35 687.8
Austria	460.8	479.8	543.6	552.1	639.1	671.7	680.0	680.8	705.8
Azerbaijan		20.3	21.5	37.6	37.6	37.6	38.1	38.1	38.1
Bahamas				0.1	0.1	0.1	0.1	0.1	0.0
Bahrain									
Bangladesh			0.8	6.9	2.2	2.2	0.5	0.5	1.4
Barbados									
Belarus					1.7	1.4	6.8	6.7	6.2
Belgium	23.8	24.4	49.0	68.8	89.0	93.1	99.1	102.4	101.8
Belize		1.8	1.2	0.8	0.2	0.1	0.5	0.7	0.5
Benin		0.3	1.2	2.4	16.5	15.2	34.5	48.9	59.5
Bhutan		0.2		6.9	6.6	6.6	4.1	5.6	5.6
Bolivia (Plurinational State of)		36.0	112.1	114.3	114.3	144.2	179.4	179.4	117.4
Bosnia and Herzegovina		0.4	0.6	0.6	0.9	1.7	1.7	2.5	2.5
Botswana									
Brazil		842.0	932.1	750.0	1 188.3	1 283.1	1 319.5	1 482.4	996.4
Brunei Darussalam									
Bulgaria		2.4	25.6	118.8	145.6	214.6	116.3	86.3	110.4
Burkina Faso		0.3	13.8	23.9	56.7	87.5	66.2	79.3	91.2
Burundi		0.3	0.4	0.2	0.2	0.1	0.3	0.5	0.4
Cabo Verde				0.5	0.5	0.5	0.0		
Cambodia		1.0	8.1	12.1	27.6	25.8	35.9	21.1	30.7
Cameroon			0.5	0.4	1.1	0.2	0.3	1.6	1.6
Canada	542.0	578.9	703.7	944.5	1 311.6	1 321.1	1 417.6	1 215.6	1 567.1
Central African Republic									
Chad									
Chile	21.2	22.9	31.7	20.0	17.4	20.9	158.5	152.8	187.1
China		2 301.3	1 393.0	1 616.5	3 143.8	2 225.5	2 445.8	2 765.5	2 910.0

TABLE 52.
AREA UNDER ORGANIC AGRICULTURE (THOUSAND HA) (CONTINUED)

COUNTRY	2004	2005	2010	2015	2018	2019	2020	2021	2022
Colombia		45.7	40.0	31.6	22.3	30.5	39.4	100.9	100.9
Comoros			1.0	1.5	2.1	1.2	1.0	0.9	0.7
Congo									
Costa Rica		9.8	11.1	7.8	9.0	8.8	11.5	10.3	12.1
Côte d'Ivoire			18.1	40.1	50.6	66.7	79.1	78.8	78.8
Croatia	2.2	2.9	23.3	75.9	103.2	108.1	108.6	121.9	129.4
Cuba		15.4	2.1	4.3	6.2	2.4	2.1	2.1	2.1
Cyprus	1.0	1.7	3.6	4.7	6.0	6.2	5.9	7.7	7.7
Czechia	263.3	254.0	448.0	483.0	522.0	541.0	543.0	558.0	575.2
Democratic People's Republic of Korea									
Democratic Republic of the Congo			33.0	94.4	60.6	88.7	118.3	89.5	116.5
Denmark	154.9	134.1	162.9	176.4	266.0	295.0	304.0	308.0	305.0
Djibouti									
Dominica				0.2	0.2	0.2		2.9	2.9
Dominican Republic		72.4	167.9	164.0	169.0	134.4	117.3	117.3	196.6
Ecuador			65.0	45.8	41.8	47.8	41.5	52.2	61.6
Egypt		24.6	82.0	85.8	116.0	116.0	116.0	116.0	116.0
El Salvador		5.3	6.7	13.7	1.7	1.7	2.6	2.6	2.1
Equatorial Guinea									
Eritrea									
Estonia	45.0	58.4	121.0	155.8	206.6	220.7	220.8	226.6	231.0
Eswatini			0.0	0.6	0.2	0.8	1.2	3.5	8.7
Ethiopia			137.0	186.2	186.2	209.9	234.7	332.5	238.1
Fiji		0.1	0.1	10.9	41.2	22.6	19.3	30.2	19.1
Finland	162.0	147.0	169.0	225.0	297.4	306.5	316.2	365.4	339.5
France	534.1	550.5	845.4	1 323.0	2 035.0	2 241.0	2 517.0	2 776.0	2 876.0
Gabon									
Gambia					0.0	0.1			
Georgia		0.1	1.4	1.5	1.5	1.5	1.6	4.3	5.3
Germany	767.9	807.4	990.7	1 088.8	1 221.3	1 290.8	1 592.7	1 601.3	1 605.5
Ghana		17.3	12.0	23.4	29.7	31.2	72.8	38.3	71.5
Greece	249.5	288.7	309.8	407.1	492.6	528.8	534.6	534.6	924.9
Grenada			0.1	0.1	0.1	0.1	0.1	0.2	0.1
Guatemala		12.1	13.4	13.4	14.0	88.2	87.0	71.7	70.2
Guinea					0.0	1.0			
Guinea-Bissau				3.4	0.8	0.8	9.8		
Guyana		0.1	4.2						
Haiti			0.2	4.5	4.4	3.3	2.9	2.7	3.8
Honduras		1.8	18.0	26.9	29.3	29.3	66.2	66.2	66.2
Hungary	128.6	123.5	127.6	129.7	209.4	303.2	301.4	293.6	325.7
Iceland		5.0	5.9	9.8	9.2	9.2	6.0	6.0	6.0
India		185.9	780.0	1 180.0	1 938.2	2 299.2	2 657.9	2 657.9	4 726.7

TABLE 52.
AREA UNDER ORGANIC AGRICULTURE (THOUSAND HA) (CONTINUED)

COUNTRY	2004	2005	2010	2015	2018	2019	2020	2021	2022
Indonesia		17.8	71.0	130.4	251.6	251.6	75.8	83.4	87.2
Iran (Islamic Republic of)			7.0	14.6	11.9	11.9	11.9	7.1	6.8
Iraq				0.1	0.1	0.1	0.1	0.1	0.1
Ireland	30.7	34.9	47.9	73.0	118.7	74.0	74.7	86.9	98.5
Israel			8.8	4.1	5.8	5.3	5.4	5.2	4.7
Italy	954.0	1 067.0	1 114.0	1 493.0	1 958.0	1 993.0	2 095.0	2 187.0	2 350.0
Jamaica		0.4	0.5	0.2	0.4	0.4	0.0	0.0	0.0
Japan			9.1	10.0	10.8	10.8	12.0	12.0	15.3
Jordan		0.0	1.5	1.7	1.5	1.5	1.5	1.5	1.5
Kazakhstan			133.6	303.4	192.1	294.3	114.9	113.2	103.4
Kenya		2.3	4.8	150.5	154.5	154.5	123.7	128.0	178.5
Kiribati				1.6	1.6				
Kuwait				0.0	0.0	0.0	0.0	0.0	0.0
Kyrgyzstan		0.2	15.0	7.6	22.1	19.1	30.3	30.3	28.3
Lao People's Democratic Republic			6.0	1.5	7.7	9.0	3.3	8.0	11.5
Latvia	26.1	118.6	164.1	231.6	280.4	289.8	291.1	302.2	312.8
Lebanon	0.8	2.5	1.2	1.2	1.2	1.6	1.7	1.7	1.5
Lesotho				0.6	0.0				
Liberia					0.0	0.0		2.8	2.8
Libya									
Lithuania	38.5	68.8	143.6	213.6	239.7	242.1	235.5	261.8	271.3
Luxembourg		3.2	3.5	4.2	5.8	5.8	6.1	6.9	8.3
Madagascar		2.2	20.3	121.0	48.8	76.5	103.8	95.1	112.6
Malawi		0.3	0.8	0.2	12.4	12.3	0.2	0.3	0.3
Malaysia		1.2	1.6	0.6	9.6	1.3	1.3	1.3	1.3
Maldives									
Mali		14.6	15.2	11.9	12.7	11.3	14.7	17.8	17.8
Malta		0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1
Marshall Islands									
Mauritania									
Mauritius			0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mexico		307.7	332.5	584.0	183.2	301.9	215.6	238.1	432.1
Micronesia (Federated States of)									
Mongolia					0.6	0.1	0.2	0.2	0.9
Montenegro			3.6	3.3	4.5	4.8	4.8	4.4	4.0
Morocco		1.1	17.0	9.3	9.9	9.9	11.5	11.5	18.5
Mozambique		0.7	5.5	16.2	14.9	7.8	14.4	41.0	17.1
Myanmar			0.1	5.6	12.3	12.9	10.1	10.1	10.1
Namibia			0.1	30.1	0.1	0.1		0.4	0.6
Nauru									
Nepal		1.0	9.8	9.4	11.9	9.4	9.4	2.4	25.8
Netherlands (Kingdom of the)	48.2	48.8	45.8	50.4	64.0	68.1	71.6	76.4	80.1

TABLE 52.
AREA UNDER ORGANIC AGRICULTURE (THOUSAND HA) (CONTINUED)

COUNTRY	2004	2005	2010	2015	2018	2019	2020	2021	2022
New Zealand		46.9	124.5	74.1	88.9	88.9	79.3	79.3	79.3
Nicaragua		51.1	33.6	33.6	34.8	43.0	39.1	37.4	30.9
Niger		0.0	0.1	0.3	0.3	0.3			
Nigeria			12.0	5.0	57.1	55.1	55.0	58.0	64.3
North Macedonia		0.3	5.2	2.2	4.0	3.7	3.7	7.8	8.7
Norway	41.0	43.0	57.2	47.6	46.4	45.3	45.2	44.9	46.0
Oman			0.0		0.0	0.0	0.0	0.0	0.0
Pakistan		20.3	22.0	34.2	64.9	64.9	69.9	69.9	69.9
Palau									
Panama	5.2	5.2	3.6	15.2	5.9	5.9	5.9	5.9	5.8
Papua New Guinea			3.2	15.8	49.6	24.7	72.5	88.0	19.7
Paraguay			51.2	64.1	42.8	57.6	73.4	113.1	116.7
Peru			222.4	326.8	524.9	394.2	559.7	594.3	
Philippines			80.0	234.6	218.6	168.4	191.8	216.3	228.5
Poland	83.0	166.0	519.0	580.7	484.7	507.6	509.3	549.4	554.6
Portugal	169.9	211.5	211.0	241.4	213.1	211.4	319.5	308.3	308.3
Qatar									
Republic of Korea		6.1	15.5	18.1	24.7	29.7	38.5	40.7	39.6
Republic of Moldova			5.4	28.7	17.2	27.8	27.6	28.4	28.6
Romania		92.8	183.0	245.9	326.3	395.2	468.8	578.7	644.5
Russian Federation			44.0	385.1	607.0	674.4	615.2	655.5	187.0
Rwanda		0.1	3.6		2.1	1.3	5.2	4.7	5.0
Saint Kitts and Nevis									
Saint Lucia								0.0	0.0
Saint Vincent and the Grenadines									
Samoa			9.7	27.7	27.7	41.1	41.0	41.0	47.2
San Marino									
Sao Tome and Principe			4.4	6.7	10.9	10.9	9.1	9.1	9.3
Saudi Arabia		12.5	42.4	36.5	18.6	24.5	26.6	27.1	23.3
Senegal			28.2	7.0	8.0	6.5	3.8	3.3	3.4
Serbia			8.7	15.3	19.3	21.3	21.0	23.5	25.0
Seychelles									
Sierra Leone			65.3	15.3	99.2	157.5	190.1	194.0	194.7
Singapore					0.0	0.0	0.0	0.0	0.0
Slovakia			178.2	181.9	189.0	197.6	222.9	249.7	248.1
Slovenia	23.0	23.0	30.7	42.2	47.8	49.6	49.8	51.8	53.2
Solomon Islands			1.3	5.6	4.7	4.1	3.4	8.2	7.6
Somalia									
South Africa		50.0	55.6	34.2	82.8	30.2	41.0	97.4	44.8
South Sudan									
Spain	561.5	622.8	1 434.0	1 968.5	2 246.5	2 354.9	2 437.9	2 799.2	2 843.6
Sri Lanka		10.0	22.3	96.3	77.2	70.4	73.4	66.6	68.1

TABLE 52.
AREA UNDER ORGANIC AGRICULTURE (THOUSAND HA) (CONTINUED)

COUNTRY	2004	2005	2010	2015	2018	2019	2020	2021	2022
Sudan				130.0	76.9	73.9	73.9	72.0	70.2
Suriname				0.0	0.1	0.1	0.1	0.1	0.1
Sweden	222.1	222.7	438.9	519.0	609.0	614.0	611.0	607.0	597.0
Switzerland	114.1	116.7	111.0	135.0	160.1	169.0	176.3	180.4	185.2
Syrian Arab Republic			20.0	20.0	20.0	20.0			
Tajikistan			0.4	12.7	8.8	10.3	11.8	22.3	64.7
Thailand		21.7	34.1	45.6	95.1	188.5	160.8	168.0	241.5
Timor-Leste		21.5	24.8	25.2	59.8	32.5	32.3	32.3	32.3
Togo		0.1	3.4	15.3	41.3	38.5	127.8	130.9	158.6
Tonga				2.6	0.7	1.1	1.1	1.1	0.3
Trinidad and Tobago									
Tunisia	157.8	143.1	175.1	145.0	309.2	286.6	297.1	279.4	240.6
Türkiye	210.0	204.0	510.0	515.0	627.0	546.0	383.0	352.0	311.0
Turkmenistan									
Tuvalu									
Uganda		182.0	228.4	241.2	262.3	288.7	346.5	505.3	505.3
Ukraine		242.0	270.2	410.6	309.1	468.0	462.2	422.3	263.6
United Arab Emirates			0.4	4.3	4.7	4.6	5.4	5.4	5.4
United Kingdom of Great Britain and Northern Ireland	659.6	604.7	697.9	508.8	462.5	465.4	470.2	486.0	488.1
United Republic of Tanzania		44.7	72.0	268.7	278.5	278.5	198.2	286.6	313.2
United States of America		1 640.8	1 949.0	2 029.3	2 023.4	2 326.6	2 326.6	2 326.6	2 060.7
Uruguay		759.0	931.0	1 307.4	2 147.1	2 143.6	2 742.4	2 741.9	2 741.0
Uzbekistan			0.1		0.9	0.9	3.8	4.9	2.4
Vanuatu			2.7	9.5	25.6	8.4	2.1	6.3	2.3
Venezuela (Bolivarian Republic of)			0.3				1.5	2.5	2.5
Viet Nam		6.5	19.3	76.7	51.4	61.9	63.5	74.5	31.2
Yemen									
Zambia		2.9	7.3	8.1	1.2	0.2	0.7	3.4	8.9
Zimbabwe			2.0	1.0	0.4	0.9	1.0	1.1	1.5

Source: FAO. 2024. FAOSTAT: Land Use. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/RL>. Licence: CC-BY-4.0.

TABLE 53.
SHARE OF AREA UNDER ORGANIC AGRICULTURE IN TOTAL AGRICULTURAL AREA (PERCENT)

COUNTRY	2004	2005	2010	2015	2018	2019	2020	2021	2022
World	0.5	0.6	0.7	1.1	1.5	1.5	1.6	1.6	1.6
Africa	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2
Americas	0.3	0.6	0.9	0.9	1.0	1.1	1.2	1.2	1.1
Asia	0.0	0.2	0.2	0.3	0.4	0.4	0.4	0.4	0.6
Europe	1.2	1.4	2.0	2.6	3.2	3.4	3.6	3.8	3.9
Oceania	3.0	2.8	3.0	6.3	9.7	9.6	9.7	9.6	9.5
Afghanistan			0.0	0.0	0.0	0.0	0.0	0.0	0.0
Albania		0.1	0.3		0.1	0.1	0.1	0.1	0.1
Algeria	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Andorra			0.0	0.0	0.0	0.0	0.0	0.0	0.0
Angola			0.0						
Antigua and Barbuda									
Argentina	2.0	2.1	3.3	2.5	3.1	3.1	3.7	3.3	3.0
Armenia		0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Australia	3.1	2.9	3.1	6.5	9.9	9.8	10.0	9.8	9.8
Austria	16.1	16.8	19.6	20.3	24.1	25.3	26.1	26.2	27.2
Azerbaijan		0.4	0.5	0.8	0.8	0.8	0.8	0.8	0.8
Bahamas				0.4	0.4	0.4	0.4	0.4	0.4
Bahrain									
Bangladesh			0.0	0.1	0.0	0.0	0.0	0.0	0.0
Barbados									
Belarus					0.0	0.0	0.1	0.1	0.1
Belgium	1.7	1.8	3.6	5.2	6.6	6.9	7.3	7.5	7.5
Belize		1.2	0.8	0.5	0.1	0.0	0.3	0.4	0.3
Benin		0.0	0.0	0.1	0.4	0.3	0.8	1.1	1.2
Bhutan		0.0		1.3	1.3	1.3	0.8	1.1	1.1
Bolivia (Plurinational State of)		0.1	0.3	0.3	0.3	0.4	0.5	0.5	0.3
Bosnia and Herzegovina		0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1
Botswana									
Brazil		0.4	0.4	0.3	0.5	0.6	0.6	0.7	0.4
Brunei Darussalam									
Bulgaria		0.0	0.5	2.4	2.9	4.3	2.3	1.7	2.2
Burkina Faso		0.0	0.1	0.2	0.4	0.6	0.5	0.5	0.6
Burundi		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cabo Verde				0.6	0.6	0.6	0.0		
Cambodia		0.0	0.2	0.2	0.5	0.4	0.6	0.3	0.5
Cameroon			0.0	0.0	0.0	0.0	0.0	0.0	0.0
Canada	0.9	0.9	1.2	1.6	2.3	2.3	2.5	2.1	2.7
Central African Republic									
Chad									
Chile	0.1	0.1	0.2	0.2	0.1	0.2	1.4	1.4	1.8
China		0.4	0.3	0.3	0.6	0.4	0.5	0.5	0.6

TABLE 53.
SHARE OF AREA UNDER ORGANIC AGRICULTURE IN TOTAL AGRICULTURAL AREA (PERCENT) (CONTINUED)

COUNTRY	2004	2005	2010	2015	2018	2019	2020	2021	2022
Colombia		0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2
Comoros			0.8	1.1	1.6	0.9	0.8	0.7	0.5
Congo									
Costa Rica		0.5	0.6	0.4	0.5	0.5	0.6	0.6	0.7
Côte d'Ivoire			0.1	0.2	0.2	0.3	0.3	0.3	0.3
Croatia	0.2	0.2	1.7	4.9	7.0	7.2	7.2	8.3	8.9
Cuba		0.2	0.0	0.1	0.1	0.0	0.0	0.0	0.0
Cyprus	0.7	1.0	3.1	3.7	4.5	5.0	4.6	6.4	6.3
Czechia	7.3	7.0	12.7	13.8	14.8	15.4	15.4	15.8	16.3
Democratic People's Republic of Korea									
Democratic Republic of the Congo			0.1	0.3	0.2	0.3	0.3	0.3	0.3
Denmark	5.9	5.0	6.2	6.7	10.1	11.2	11.6	11.8	11.6
Djibouti									
Dominica				1.0	1.0	1.0		11.6	11.6
Dominican Republic		3.0	7.0	6.8	7.0	5.5	4.8	4.8	8.1
Ecuador			0.9	0.8	0.8	0.9	0.8	1.0	1.2
Egypt		0.7	2.2	2.3	3.0	3.0	2.9	2.9	2.9
El Salvador		0.4	0.5	1.1	0.1	0.1	0.2	0.2	0.2
Equatorial Guinea									
Eritrea									
Estonia	5.8	6.6	12.8	15.7	21.0	22.3	22.4	23.0	23.4
Eswatini			0.0	0.0	0.0	0.1	0.1	0.3	0.7
Ethiopia			0.4	0.5	0.5	0.5	0.6	0.9	0.6
Fiji		0.0	0.0	3.5	13.1	7.2	6.2	9.7	6.1
Finland	7.2	6.5	7.4	9.9	13.1	13.5	13.9	16.1	15.0
France	1.8	1.9	2.9	4.6	7.1	7.9	8.8	9.7	10.2
Gabon									
Gambia					0.0	0.0			
Georgia		0.0	0.1	0.1	0.1	0.1	0.1	0.2	0.2
Germany	4.5	4.7	5.9	6.5	7.3	7.7	9.6	9.7	9.7
Ghana		0.1	0.1	0.2	0.2	0.3	0.6	0.3	0.6
Greece	3.1	3.6	4.1	6.6	8.3	9.0	9.5	9.4	16.2
Grenada			0.9	1.1	1.0	1.0	1.0	2.4	1.3
Guatemala		0.3	0.3	0.3	0.3	1.9	1.9	1.6	1.5
Guinea					0.0	0.0			
Guinea-Bissau				0.4	0.1	0.1	1.2		
Guyana		0.0	0.4						
Haiti			0.0	0.2	0.2	0.2	0.2	0.2	0.2
Honduras		0.1	0.6	0.8	0.8	0.8	1.9	1.9	1.9
Hungary	2.2	2.1	2.4	2.5	4.0	5.7	6.1	5.8	6.4
Iceland		0.3	0.3	0.5	0.5	0.5	0.3	0.3	0.3
India		0.1	0.4	0.7	1.1	1.3	1.5	1.5	2.6

TABLE 53.
SHARE OF AREA UNDER ORGANIC AGRICULTURE IN TOTAL AGRICULTURAL AREA (PERCENT) (CONTINUED)

COUNTRY	2004	2005	2010	2015	2018	2019	2020	2021	2022
Indonesia		0.0	0.1	0.3	0.5	0.5	0.1	0.1	0.2
Iran (Islamic Republic of)			0.0	0.0	0.0	0.0	0.0	0.0	0.0
Iraq				0.0	0.0	0.0	0.0	0.0	0.0
Ireland	0.7	0.8	1.0	1.6	2.6	1.6	1.7	2.0	2.3
Israel			1.7	0.8	0.9	0.8	0.8	0.8	0.7
Italy	6.4	7.2	7.8	11.5	15.8	15.2	16.7	17.6	18.1
Jamaica		0.1	0.1	0.0	0.1	0.1	0.0	0.0	0.0
Japan			0.2	0.2	0.2	0.2	0.3	0.3	0.3
Jordan		0.0	0.1	0.2	0.1	0.1	0.1	0.1	0.2
Kazakhstan			0.1	0.1	0.1	0.1	0.1	0.1	0.0
Kenya		0.0	0.0	0.5	0.5	0.5	0.4	0.4	0.6
Kiribati				4.7	4.7				
Kuwait				0.0	0.0	0.0	0.0	0.0	0.0
Kyrgyzstan		0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.3
Lao People's Democratic Republic			0.3	0.1	0.3	0.4	0.1	0.4	0.5
Latvia	1.6	6.8	9.1	12.3	14.5	14.8	14.8	15.3	15.9
Lebanon	0.1	0.4	0.2	0.2	0.2	0.2	0.3	0.2	0.2
Lesotho				0.0	0.0				
Liberia					0.0	0.0		0.1	0.1
Libya									
Lithuania	1.5	2.4	5.2	7.1	8.1	8.1	8.0	8.9	9.3
Luxembourg		2.5	2.6	3.2	4.4	4.4	4.6	5.2	6.2
Madagascar		0.0	0.0	0.3	0.1	0.2	0.3	0.2	0.3
Malawi		0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.0
Malaysia		0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Maldives									
Mali		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Malta		0.1	0.3	0.3	0.5	0.5	0.7	0.7	0.8
Marshall Islands									
Mauritania									
Mauritius			0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mexico		0.3	0.3	0.6	0.2	0.3	0.2	0.2	0.5
Micronesia (Federated States of)									
Mongolia					0.0	0.0	0.0	0.0	0.0
Montenegro			0.7	1.4	1.7	1.8	1.9	1.7	1.6
Morocco		0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1
Mozambique		0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Myanmar			0.0	0.0	0.1	0.1	0.1	0.1	0.1
Namibia			0.0	0.1	0.0	0.0		0.0	0.0
Nauru									
Nepal		0.0	0.2	0.2	0.3	0.2	0.2	0.1	0.7
Netherlands (Kingdom of the)	2.5	2.5	2.4	2.7	3.5	3.7	3.9	4.2	4.4

TABLE 53.
SHARE OF AREA UNDER ORGANIC AGRICULTURE IN TOTAL AGRICULTURAL AREA (PERCENT) (CONTINUED)

COUNTRY	2004	2005	2010	2015	2018	2019	2020	2021	2022
New Zealand		0.4	1.1	0.7	0.8	0.9	0.8	0.8	0.8
Nicaragua		1.0	0.7	0.7	0.7	0.8	0.8	0.7	0.6
Niger		0.0	0.0	0.0	0.0	0.0			
Nigeria			0.0	0.0	0.1	0.1	0.1	0.1	0.1
North Macedonia		0.0	0.5	0.2	0.3	0.3	0.3	0.6	0.7
Norway	3.9	4.2	5.7	4.8	4.7	4.6	4.6	4.6	4.7
Oman			0.0		0.0	0.0	0.0	0.0	
Pakistan		0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2
Palau									
Panama	0.2	0.2	0.2	0.7	0.3	0.3	0.3	0.3	0.3
Papua New Guinea			0.3	1.2	3.5	1.8	5.2	6.3	1.4
Paraguay			0.3	0.4	0.3	0.4	0.4	0.7	0.7
Peru			0.9	1.3	2.2	1.7	2.3	2.4	
Philippines			0.7	1.9	1.7	1.3	1.5	1.7	1.8
Poland	0.5	1.0	3.6	4.0	3.3	3.5	3.5	3.8	3.9
Portugal	4.4	5.5	5.8	6.6	5.7	5.4	8.1	7.8	7.9
Qatar									
Republic of Korea		0.3	0.9	1.0	1.5	1.8	2.4	2.5	2.5
Republic of Moldova			0.2	1.2	0.8	1.2	1.2	1.2	1.3
Romania		0.7	1.3	1.8	2.4	2.9	3.6	4.4	5.1
Russian Federation			0.0	0.2	0.3	0.3	0.3	0.3	0.1
Rwanda		0.0	0.2		0.1	0.1	0.3	0.2	0.3
Saint Kitts and Nevis									
Saint Lucia								0.3	0.2
Saint Vincent and the Grenadines									
Samoa			23.4	36.6	50.2	83.1	83.0	83.0	95.5
San Marino									
Sao Tome and Principe			13.4	18.1	26.0	26.0	21.7	21.7	22.1
Saudi Arabia		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Senegal			0.3	0.1	0.1	0.1	0.0	0.0	0.0
Serbia			0.2	0.4	0.6	0.6	0.6	0.7	0.7
Seychelles									
Sierra Leone			1.7	0.4	2.5	4.0	4.8	4.9	4.9
Singapore					0.5	2.3	2.3	2.3	2.3
Slovakia			9.2	9.6	10.0	10.5	11.8	13.5	13.4
Slovenia	4.7	4.5	4.9	6.8	7.8	8.1	8.2	8.5	8.7
Solomon Islands			1.2	4.8	3.9	3.4	2.8	6.9	6.3
Somalia									
South Africa		0.1	0.1	0.0	0.1	0.0	0.0	0.1	0.0
South Sudan									
Spain	1.9	2.1	5.2	7.4	8.6	9.0	9.3	10.7	10.7
Sri Lanka		0.4	0.9	3.5	2.7	2.5	2.6	2.4	2.4

TABLE 53.
SHARE OF AREA UNDER ORGANIC AGRICULTURE IN TOTAL AGRICULTURAL AREA (PERCENT) (CONTINUED)

COUNTRY	2004	2005	2010	2015	2018	2019	2020	2021	2022
Sudan				0.1	0.1	0.1	0.1	0.1	0.1
Suriname				0.0	0.1	0.1	0.1	0.1	0.1
Sweden	7.0	7.0	14.3	17.1	20.3	20.4	20.3	20.2	19.9
Switzerland	7.3	7.5	7.2	8.9	10.6	11.2	11.7	12.0	12.4
Syrian Arab Republic			0.1	0.1	0.1	0.1			
Tajikistan			0.0	0.3	0.2	0.3	0.3	0.6	1.7
Thailand		0.1	0.1	0.2	0.4	0.8	0.7	0.7	1.0
Timor-Leste		6.5	7.3	7.4	17.5	9.5	9.5	9.5	9.5
Togo		0.0	0.1	0.4	1.1	1.0	3.3	3.4	4.2
Tonga				7.4	1.9	3.2	3.2	3.2	0.9
Trinidad and Tobago									
Tunisia	1.6	1.5	1.7	1.5	3.2	3.0	3.1	2.9	2.5
Türkiye	0.5	0.5	1.3	1.3	1.7	1.4	1.0	0.9	0.8
Turkmenistan									
Tuvalu									
Uganda		1.4	1.6	1.7	1.8	2.0	2.4	3.5	3.5
Ukraine		0.6	0.7	1.0	0.7	1.1	1.1	1.0	0.6
United Arab Emirates			0.1	1.1	1.2	1.2	1.4	1.4	1.4
United Kingdom of Great Britain and Northern Ireland	3.9	3.6	4.1	3.0	2.7	2.7	2.7	2.8	2.9
United Republic of Tanzania		0.1	0.2	0.7	0.7	0.7	0.5	0.7	0.8
United States of America		0.4	0.5	0.5	0.5	0.6	0.6	0.6	0.5
Uruguay		5.1	6.5	9.0	15.1	15.2	19.5	19.5	19.4
Uzbekistan			0.0		0.0	0.0	0.0	0.0	0.0
Vanuatu			1.4	5.1	13.7	4.5	1.1	3.4	1.2
Venezuela (Bolivarian Republic of)			0.0				0.0	0.0	0.0
Viet Nam		0.1	0.2	0.6	0.4	0.5	0.5	0.6	0.3
Yemen									
Zambia		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Zimbabwe			0.0	0.0	0.0	0.0	0.0	0.0	0.0

Source: FAO. 2024. FAOSTAT: Land Use. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/RL>. Licence: CC-BY-4.0.

TABLE 54.
WATER STRESS (PERCENT)

COUNTRY	2000	2005	2010	2016	2017	2018	2019	2020	2021
World				18.2	18.4	18.3	18.4	18.2	18.6
Africa									
Americas									
Asia				5.9	5.9	5.9	6.0	6.0	6.0
Europe				12.3	12.4	12.5	12.5	12.5	12.5
Oceania				3.0	3.2	3.3	3.0	2.8	3.2
Afghanistan	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
Albania	11.0	8.4	7.1	6.6	6.6	5.8	6.8	4.7	4.8
Algeria	79.3	92.5	104.9	129.9	137.9	137.9	137.9	137.9	137.9
Andorra									
Angola	1.7	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
Antigua and Barbuda	7.6	9.8	8.9	8.5	8.5	8.5	8.5	8.5	8.5
Argentina	8.4	9.4	10.3	10.5	10.5	10.5	10.5	10.5	10.5
Armenia	37.7	55.9	42.9	64.2	57.8	54.8	57.8	57.1	59.9
Australia	8.7	7.5	5.3	4.3	4.9	5.0	4.3	3.5	4.6
Austria	10.1	9.8	9.6	9.0	8.9	8.8	8.7	8.7	8.7
Azerbaijan	48.5	52.1	48.4	52.5	53.5	53.7	55.6	53.9	57.3
Bahamas									
Bahrain	248.9	196.4	173.1	133.7	133.7	133.7	133.7	133.7	133.7
Bangladesh			5.7	5.7	5.7	5.7	5.7	5.7	5.7
Barbados	101.3	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
Belarus	6.1	5.6	5.1	4.8	4.6	4.6	4.5	4.4	4.7
Belgium	92.5	78.5	73.1	51.5	54.0	51.3	51.6	51.9	51.9
Belize	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
Benin	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Bhutan			1.4	1.4	1.4	1.4	1.4	1.4	1.4
Bolivia (Plurinational State of)	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.2
Bosnia and Herzegovina	2.5	2.5	2.9	2.8	2.7	2.1	2.0	2.0	2.0
Botswana	2.0	2.0	2.1	2.1	2.0	2.1	2.1	2.3	2.4
Brazil	2.7	2.7	3.5	3.1	3.1	1.5	1.5	1.5	1.5
Brunei Darussalam	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Bulgaria	45.3	47.0	44.1	42.1	41.8	40.1	40.1	37.5	37.5
Burkina Faso	6.2	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
Burundi	10.5	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
Cabo Verde		13.6	25.4	39.7	42.0	44.4	49.0	68.9	57.2
Cambodia			1.0	1.0	1.0	1.0	1.0	1.0	1.0
Cameroon	1.4	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
Canada	4.3	4.3	3.8	3.7	3.7	3.7	3.7	3.7	3.7
Central African Republic	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Chad	3.8	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
Chile	7.4	8.7	9.0	9.0	9.0	9.0	9.0	9.0	9.0
China	40.2	40.5	42.9	44.1	43.5	43.3	44.0	41.5	41.5
Colombia	1.2	1.5	2.4	4.2	4.1	4.1	4.2	4.3	4.4
Comoros	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8

TABLE 54.
WATER STRESS (PERCENT) (CONTINUED)

COUNTRY	2000	2005	2010	2016	2017	2018	2019	2020	2021
Congo	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Costa Rica				5.0	4.2	5.2	5.4	5.4	5.9
Côte d'Ivoire	6.2	6.8	5.8	5.1	5.1	5.1	5.1	5.1	5.1
Croatia		1.4	1.5	1.4	1.5	1.5	1.5	1.5	1.5
Cuba	18.0	18.1	20.7	23.9	23.9	23.9	23.9	23.9	23.9
Cyprus	22.0	22.8	27.5	29.8	29.5	28.3	27.6	31.6	32.1
Czechia	32.6	29.6	29.7	24.9	24.8	24.2	22.9	20.8	20.5
Democratic People's Republic of Korea	27.4	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
Democratic Republic of the Congo	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Denmark	20.5	17.0	21.9	24.0	24.2	29.9	25.6	26.4	26.4
Djibouti	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
Dominica	8.3	8.6	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Dominican Republic	27.0	30.2	39.6	39.6	39.6	39.6	39.6	39.6	39.6
Ecuador	6.4	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
Egypt	103.9	119.2	134.4	110.5	141.2	141.2	141.2	141.2	141.2
El Salvador	8.6	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2
Equatorial Guinea	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Eritrea	7.9	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2
Estonia	15.1	18.0	19.9	19.0	19.3	17.4	10.9	9.2	10.8
Eswatini	75.7	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
Ethiopia		24.0	27.8	32.3	32.3	32.3	32.3	32.3	32.3
Fiji	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Finland	7.0	14.1	11.5	5.5	5.5	6.6	7.1	7.1	7.1
France	28.6	29.3	25.0	23.1	23.6	23.6	23.0	21.6	21.6
Gabon	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Gambia	2.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
Georgia	6.2	5.9	5.8	5.2	4.5	4.2	5.1	5.4	5.2
Germany	61.5	55.3	45.2	33.5	38.0	36.9	35.4	35.4	35.4
Ghana	4.3	4.9	5.5	6.3	6.3	6.3	6.3	6.3	6.3
Greece	18.2	19.5	19.9	20.5	20.5	20.5	20.5	20.5	20.7
Grenada		5.0	6.1	7.1	7.1	7.1	7.1	7.1	7.1
Guatemala		5.4	5.7	5.7	5.7	5.7	5.7	5.7	5.7
Guinea	0.9	0.9	1.1	1.3	1.3	1.4	1.4	1.4	1.4
Guinea-Bissau	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Guyana	3.7	3.6	3.3	3.3	3.3	3.3	3.3	3.3	3.3
Haiti	12.4	13.0	13.4	13.4	13.4	13.4	13.4	13.4	13.4
Honduras		4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
Hungary	10.1	9.7	9.3	6.8	8.2	8.5	7.7	8.1	8.1
Iceland	0.2	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4
India	62.7	64.6	66.5	66.5	66.5	66.5	66.5	66.5	66.5
Indonesia	15.1	19.7	24.2	29.7	29.7	29.7	29.7	29.7	29.7
Iran (Islamic Republic of)	77.4	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
Iraq	92.7	79.6	66.6	54.1	60.5	47.1	79.5	63.3	59.6
Ireland	4.7	3.9	4.0	6.2	6.5	20.0	21.6	21.7	22.2

TABLE 54.
WATER STRESS (PERCENT) (CONTINUED)

COUNTRY	2000	2005	2010	2016	2017	2018	2019	2020	2021
Israel	139.2	121.3	115.6	103.4	103.6	95.9	100.4	110.1	132.0
Italy	39.7	32.3	29.7	29.8	29.8	29.7	29.8	29.7	29.7
Jamaica	10.5	11.9	13.2	12.5	12.3	12.2	12.1	11.1	12.4
Japan	41.6	38.4	37.2	36.6	36.5	36.4	36.1	36.1	36.1
Jordan	82.6	95.9	98.9	100.1	100.4	102.2	104.3	106.1	102.5
Kazakhstan	29.1	34.4	33.0	30.0	31.1	32.7	32.6	34.1	34.1
Kenya	12.9	21.2	26.5	33.2	33.2	33.2	33.2	33.2	33.2
Kiribati									
Kuwait	1 911.9	2 380.5	2 889.8	3 575.0	3 850.5	3 850.5	3 850.5	3 850.5	3 850.5
Kyrgyzstan	65.5	52.6	50.0	50.0	50.0	50.0	50.0	50.0	50.0
Lao People's Democratic Republic		2.3	3.8	5.0	4.8	4.8	4.8	4.8	4.8
Latvia	1.7	1.3	1.6	1.1	1.1	1.1	1.1	1.1	1.1
Lebanon	41.1	35.6	47.2	58.8	58.8	58.8	58.8	58.8	58.8
Lesotho	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
Liberia	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Libya	615.4	698.1	783.1	817.1	817.1	817.1	817.1	817.1	817.1
Lithuania	21.9	17.0	7.5	2.2	1.9	1.8	1.8	1.8	1.8
Luxembourg	4.9	4.4	4.0	3.7	3.8	4.3	4.1	4.0	4.0
Madagascar	11.2	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3
Malawi	16.0	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
Malaysia	2.9	3.0	3.1	3.4	3.4	3.4	3.4	3.4	3.4
Maldives	17.7	14.5	3.4	15.7	15.7	15.7	15.7	15.7	15.7
Mali	7.5	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
Malta	61.3	70.7	81.0	83.0	91.1	84.6	80.7	81.6	78.3
Marshall Islands									
Mauritania	15.7	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3
Mauritius	22.2	25.1	23.2	22.5	22.2	21.5	21.6	22.1	22.0
Mexico	25.6	28.6	29.9	32.5	33.0	44.5	44.7	44.8	45.0
Micronesia (Federated States of)									
Mongolia	3.6	3.8	3.9	3.4	3.4	3.4	3.4	3.4	3.4
Montenegro									
Morocco	60.5	63.5	50.8	50.8	50.8	50.8	50.8	50.8	50.8
Mozambique	1.0	1.3	1.5	1.8	1.8	1.8	1.8	1.8	1.8
Myanmar	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
Namibia	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Nauru									
Nepal	8.4	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
Netherlands (Kingdom of the)	16.0	21.9	20.8	15.2	15.0	16.4	17.0	16.8	16.1
New Zealand	2.8	3.8	4.2	8.1	8.1	8.1	8.1	8.1	8.1
Nicaragua	2.4	2.6	2.6	2.4	2.3	2.3	2.2	2.2	2.2
Niger	3.6	4.2	5.5	7.5	6.8	10.4	11.0	11.0	11.0
Nigeria	8.0	9.0	9.7	9.7	9.7	9.7	9.7	9.7	9.7
North Macedonia	16.8	28.0	22.0	25.3	38.7	52.1	38.7	38.3	38.0
Norway	1.8	2.1	2.1	2.0	2.1	2.0	2.0	2.0	2.0

TABLE 54.
WATER STRESS (PERCENT) (CONTINUED)

COUNTRY	2000	2005	2010	2016	2017	2018	2019	2020	2021
Oman	92.9	91.1	107.1	116.7	116.7	116.7	116.7	116.7	116.7
Pakistan	105.9	109.8	113.7	122.6	122.7	118.2	108.7	116.3	162.1
Palau									
Panama			0.8	0.9	0.9	0.9	0.9	0.9	0.9
Papua New Guinea	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Paraguay	0.4	1.0	1.6	1.8	1.8	1.8	1.8	1.8	1.8
Peru			3.4	6.1	6.5	7.0	7.2	7.2	7.2
Philippines			25.5	26.6	28.1	28.2	26.3	26.7	27.2
Poland	42.1	41.2	37.6	35.6	34.9	33.2	31.1	30.0	32.1
Portugal	21.4	19.1	18.0	17.2	12.4	12.3	12.3	12.3	12.3
Qatar	282.6	374.1	409.9	432.4	431.0	431.0	431.0	431.0	431.0
Republic of Korea	80.8	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
Republic of Moldova	20.7	12.7	12.6	12.5	12.5	12.4	12.5	12.6	12.6
Romania	9.0	5.7	5.8	6.0	6.3	6.0	6.6	6.9	7.4
Russian Federation	4.8	4.4	4.4	4.1	4.1	4.1	4.1	4.1	4.1
Rwanda	5.0	8.3	12.5	17.4	18.2	19.0	20.2	20.2	20.2
Saint Kitts and Nevis				50.8	50.8	50.8	50.8	50.8	50.8
Saint Lucia			14.3	14.3	14.3	14.3	14.3	14.3	14.3
Saint Vincent and the Grenadines	9.8	9.5	8.5	7.9	7.9	7.9	7.9	7.9	7.9
Samoa									
San Marino									
Sao Tome and Principe	0.8	1.1	1.5	1.9	1.9	1.9	1.9	1.9	1.9
Saudi Arabia	819.8	894.8	914.5	929.6	956.0	974.2	974.2	974.2	974.2
Senegal	8.5	12.1	12.5	13.1	13.2	16.1	16.3	16.3	16.3
Serbia			5.0	5.3	6.1	6.3	6.3	6.0	5.7
Seychelles									
Sierra Leone	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Singapore	313.9	377.5	219.9	85.0	83.2	81.4	82.2	83.1	83.1
Slovakia	5.0	3.9	2.6	2.4	2.4	2.4	2.4	2.4	2.4
Slovenia		6.2	6.3	6.0	6.3	6.5	6.4	6.8	6.3
Solomon Islands									
Somalia	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5
South Africa	40.8	44.2	47.6	61.0	62.1	62.9	64.0	65.0	66.9
South Sudan				4.2	4.2	4.2	4.2	4.2	4.2
Spain	49.2	51.0	47.7	42.6	41.0	40.1	39.8	43.3	43.3
Sri Lanka	91.2	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
Sudan				118.7	118.7	118.7	118.7	118.7	118.7
Suriname	4.3	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Sweden	3.9	3.8	3.9	3.5	3.5	3.5	3.6	3.6	3.6
Switzerland	9.7	9.0	8.0	6.5	6.5	6.5	6.5	6.5	6.5
Syrian Arab Republic	134.2	126.0	125.2	124.4	124.4	124.4	124.4	124.4	124.4
Tajikistan	81.2	75.1	71.6	57.7	52.7	64.5	69.9	69.9	69.9
Thailand			23.0	23.0	23.0	23.0	23.0	23.0	23.0
Timor-Leste		28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3

TABLE 54.
WATER STRESS (PERCENT) (CONTINUED)

COUNTRY	2000	2005	2010	2016	2017	2018	2019	2020	2021
Togo	2.6	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
Tonga									
Trinidad and Tobago	19.0	18.7	20.1	20.3	20.3	20.3	20.3	20.3	20.3
Tunisia	66.0	72.9	79.1	94.6	89.5	96.0	96.3	98.1	98.1
Türkiye	31.2	29.9	34.9	44.3	43.7	45.4	46.3	47.2	43.4
Turkmenistan	127.9	143.6	144.1	144.9	148.7	138.5	142.8	135.2	135.2
Tuvalu									
Uganda	3.0	4.6	5.8	5.8	5.8	5.8	5.8	5.8	5.8
Ukraine	23.7	19.5	19.2	12.1	13.9	13.9	13.7	12.3	12.3
United Arab Emirates	1 555.9	1 866.7	1 781.5	1 679.3	1 630.0	1 667.3	1 628.7	1 587.3	1 533.3
United Kingdom of Great Britain and Northern Ireland	21.3	22.0	14.1	14.4	14.4	14.4	14.4	14.4	14.4
United Republic of Tanzania	10.7	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
United States of America	30.0	30.3	26.5	28.2	28.2	28.2	28.2	28.2	28.2
Uruguay	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
Uzbekistan	153.1	141.0	143.1	156.4	168.9	160.4	151.8	143.3	121.8
Vanuatu									
Venezuela (Bolivarian Republic of)	3.0	6.0	7.5	7.5	7.5	7.5	7.5	7.5	7.5
Viet Nam	15.9	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1
Yemen	161.1	169.8	169.8	169.8	169.8	169.8	169.8	169.8	169.8
Zambia	2.9	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
Zimbabwe	35.7	35.9	32.9	31.9	31.4	35.4	39.8	46.1	46.1

Source: FAO. 2024. AQUASTAT: AQUASTAT Dissemination System. [Accessed on 15 November 2024].

<https://data.apps.fao.org/aquastat/?lang=en>. Licence: CC-BY-4.0.

TABLE 55.
CROPLAND NITROGEN BALANCE (KG PER HA)

COUNTRY	2021						CROPLAND NITROGEN BALANCE	
	INPUT: ATMOSPHERIC DEPOSITION	INPUT: BIOLOGICAL FIXATION	INPUT: MANURE APPLIED TO SOILS	INPUT: MINERAL FERTILIZERS	INPUT: SEED	OUTPUT: CROP REMOVAL	2000	2021
World	9.8	25.5	16.2	64.3	1.1	65.1	48.3	51.9
Africa	6.0	11.2	5.5	16.3	0.4	26.8	8.6	12.6
Americas	6.4	62.4	13.9	60.7	1.6	96.8	35.2	48.3
Asia	15.8	20.2	21.2	99.6	1.0	72.4	79.3	85.4
Europe	6.8	4.6	21.3	48.1	1.6	49.4	40.6	32.9
Oceania	1.8	8.7	4.8	44.7	1.7	47.6	4.8	14.0
Afghanistan	2.9	1.0	8.9	3.9	0.5	14.9	5.1	2.3
Albania	6.7	1.8	38.3	47.8	0.7	26.4	61.6	68.8
Algeria	6.2	1.1	2.9	8.3	0.5	14.8	8.6	4.2
Andorra								
Angola	5.1	8.9	10.9	3.0	0.3	19.8	4.3	8.4
Antigua and Barbuda	6.4	0.0	48.5	0.9	0.0	7.0	59.8	48.9
Argentina	5.3	73.7	4.3	37.2	1.9	97.2	10.2	25.2
Armenia	18.8	0.4	9.3	105.3	0.5	17.9	21.9	116.5
Australia	1.8	9.2	4.2	46.3	1.8	47.8	6.7	15.5
Austria	10.5	9.9	62.2	66.5	2.4	85.8	92.5	65.7
Azerbaijan	5.5	0.5	5.4	56.5	1.3	39.1	-7.6	30.2
Bahamas	6.4	8.2	70.4	41.1	0.1	53.1	50.6	73.2
Bahrain	18.8	0.2	46.7	37.8	0.0	27.4	36.2	76.1
Bangladesh	35.4	35.9	28.5	161.7	0.6	100.0	126.6	162.0
Barbados	6.4	18.5	189.8	13.5	0.5	59.8	82.2	168.9
Belarus	6.7	3.0	32.2	74.8	1.4	36.6	64.0	81.5
Belgium	9.7	1.7	158.3	180.6	3.3	89.4	293.7	264.3
Belize	6.4	24.7	7.9	128.7	0.5	80.8	-11.5	87.4
Benin	5.5	16.7	4.5	16.9	0.4	40.5	-1.4	3.6
Bhutan	11.3	4.4	23.7	8.0	0.2	18.9	16.5	28.6
Bolivia (Plurinational State of)	4.0	50.2	20.8	5.2	1.0	58.4	17.4	22.8
Bosnia and Herzegovina	8.3	2.3	20.9	29.0	0.6	26.4	42.9	34.7
Botswana	3.8	4.6	8.2	49.9	0.1	10.6	25.0	56.1
Brazil	8.2	162.8	22.0	87.6	2.7	190.5	43.2	92.9
Brunei Darussalam	18.8	2.3	449.2	24.3	0.0	12.1	274.6	482.5
Bulgaria	8.9	0.9	11.3	103.3	2.3	76.0	36.5	50.7
Burkina Faso	4.6	7.5	9.5	6.3	0.4	26.1	4.3	2.2
Burundi	5.9	19.1	9.4	4.3	1.1	28.8	1.5	11.0
Cabo Verde	5.9	17.2	21.5	3.5	0.2	9.1	70.7	39.3
Cambodia	10.6	22.9	12.2	33.9	0.1	45.7	21.8	34.1
Cameroon	7.5	9.7	5.1	4.8	0.3	25.6	7.2	1.8
Canada	4.4	18.3	5.7	65.1	1.4	47.7	19.1	47.2
Central African Republic	7.4	8.1	11.5	0.1	0.1	9.9	13.9	17.3
Chad	7.4	16.1	11.5	0.4	0.2	18.4	13.3	17.1
Chile	1.4	2.5	51.5	105.2	1.4	54.0	88.8	108.0

TABLE 55.
CROPLAND NITROGEN BALANCE (KG PER HA) (CONTINUED)

COUNTRY	2021						CROPLAND NITROGEN BALANCE	
	INPUT: ATMOSPHERIC DEPOSITION	INPUT: BIOLOGICAL FIXATION	INPUT: MANURE APPLIED TO SOILS	INPUT: MINERAL FERTILIZERS	INPUT: SEED	OUTPUT: CROP REMOVAL	2000	2021
China	26.8	25.9	38.1	170.8	1.7	131.0	168.0	132.4
Colombia	6.5	9.1	59.8	97.6	0.4	59.9	92.4	113.4
Comoros	5.9	16.5	1.4	0.4	0.3	25.2	0.4	-0.6
Congo	7.5	7.0	3.0	3.2	0.1	17.1	7.1	3.7
Costa Rica	4.9	4.8	66.8	135.8	0.1	68.4	137.9	144.1
Côte d'Ivoire	5.9	3.2	1.6	5.7	0.0	23.2	-5.4	-6.6
Croatia	7.1	12.2	32.0	114.9	1.9	83.1	123.3	85.0
Cuba	3.9	3.9	13.6	8.9	0.1	20.3	0.1	10.1
Cyprus	3.3	0.3	44.4	55.0	0.6	15.5	84.6	88.1
Czechia	11.9	3.7	27.0	123.8	2.9	83.7	73.6	85.6
Democratic People's Republic of Korea	14.2	19.3	10.3	10.6	0.7	45.2	71.4	10.0
Democratic Republic of the Congo	5.9	6.9	1.1	1.5	0.1	17.1	-0.5	-1.5
Denmark	5.3	3.1	70.5	85.2	3.7	86.7	98.4	81.0
Djibouti	5.9	343.2	161.0	8.2	16.3	263.3	357.8	271.4
Dominica	6.4	0.7	16.8	3.2	0.0	20.3	53.9	6.9
Dominican Republic	4.4	12.4	55.2	71.6	0.2	124.3	31.8	19.7
Ecuador	5.7	7.1	34.0	95.0	0.2	51.7	38.3	90.3
Egypt	7.4	9.4	6.8	329.6	3.0	142.0	211.3	214.2
El Salvador	6.0	8.0	22.5	60.4	0.4	55.3	43.0	42.0
Equatorial Guinea	4.9		1.6	5.6	0.0	13.6	0.0	-1.6
Eritrea	3.8	4.7	8.9	3.0	0.2	10.0	20.4	10.7
Estonia	3.5	7.9	15.8	69.4	2.1	50.4	24.3	48.3
Eswatini	7.9	10.1	9.7	28.9	0.1	119.2	-54.0	-62.6
Ethiopia	11.3	12.3	6.3	24.6	0.9	35.5	12.5	20.0
Fiji	1.8	7.6	26.1	21.8	0.0	51.3	-41.0	6.1
Finland	2.4	1.6	13.3	43.4	1.3	26.2	34.9	35.7
France	12.1	4.4	38.7	86.6	2.8	83.7	92.8	60.9
Gabon	3.9	8.0	7.2	7.5	0.0	14.3	5.3	12.3
Gambia	5.9	11.9	2.2	1.1	0.0	7.5	27.1	13.6
Georgia	5.2	0.9	14.1	88.0	0.6	24.2	42.5	84.6
Germany	14.8	3.5	46.3	77.4	3.4	90.7	103.3	54.8
Ghana	7.7	9.7	3.6	7.6	0.2	35.9	-3.7	-7.1
Greece	5.5	4.7	17.3	54.1	0.8	47.2	41.7	35.1
Grenada	6.4	3.0	21.5	9.0	0.2	38.3	21.4	1.8
Guatemala	5.5	7.0	28.2	68.6	0.3	67.2	40.4	42.5
Guinea	5.0	30.9	4.0	1.8	0.1	29.0	3.5	12.8
Guinea-Bissau	5.9	24.4	14.9	9.5	0.1	24.3	12.2	30.5
Guyana	1.9	9.7	17.6	45.0	0.0	45.0	3.3	29.3
Haiti	6.4	11.4	18.3	0.3	0.4	18.8	21.4	17.9
Honduras	3.9	5.2	22.3	74.3	0.3	33.7	94.5	72.3
Hungary	10.3	2.3	18.1	104.4	1.8	73.8	56.4	63.1

TABLE 55.
CROPLAND NITROGEN BALANCE (KG PER HA) (CONTINUED)

COUNTRY	2021						CROPLAND NITROGEN BALANCE	
	INPUT: ATMOSPHERIC DEPOSITION	INPUT: BIOLOGICAL FIXATION	INPUT: MANURE APPLIED TO SOILS	INPUT: MINERAL FERTILIZERS	INPUT: SEED	OUTPUT: CROP REMOVAL	2000	2021
Iceland	0.5		33.0	82.0	0.1	1.4	133.1	114.2
India	21.2	34.2	12.6	104.2	1.3	72.7	65.3	100.8
Indonesia	4.0	6.7	19.7	65.1	0.2	50.3	41.3	45.4
Iran (Islamic Republic of)	4.3	3.6	19.6	54.0	0.8	26.4	51.4	55.9
Iraq	4.2	0.7	2.9	23.7	0.8	21.0	54.8	11.2
Ireland	3.2	7.2	130.8	201.4	5.2	114.5	201.1	233.3
Israel	18.8	2.7	20.0	90.3	0.7	32.6	99.6	99.7
Italy	8.0	6.6	45.5	59.8	1.1	47.4	76.3	73.6
Jamaica	6.4	3.3	34.2	20.7	0.1	41.4	23.7	23.3
Japan	9.0	13.6	31.1	64.7	0.5	57.1	76.3	61.8
Jordan	5.6	0.7	12.7	59.2	0.4	29.5	31.2	49.1
Kazakhstan	3.1	1.4	6.9	4.0	0.5	15.3	-0.2	0.6
Kenya	5.4	11.1	11.0	25.9	0.7	33.3	12.8	20.8
Kiribati	1.8		9.9	0.0	0.4	83.7	-36.8	-71.6
Kuwait	18.8		469.0	202.8	1.2	116.8	246.7	575.0
Kyrgyzstan	3.3	7.3	36.6	30.6	1.0	29.8	12.9	49.0
Lao People's Democratic Republic	7.9	21.3	51.7	27.5	0.1	86.7	27.9	21.7
Latvia	4.1	4.7	12.0	68.8	2.3	57.2	28.1	34.8
Lebanon	18.8	4.5	27.1	22.9	1.2	43.5	82.5	30.8
Lesotho	4.9	0.7	4.2	6.9	0.1	5.4	19.8	11.4
Liberia	5.4	11.8	7.7	1.6	0.0	13.7	10.3	12.8
Libya	4.1	0.8	3.0	7.5	0.1	6.0	15.9	9.6
Lithuania	6.1	8.7	13.8	78.2	2.5	64.5	36.5	44.8
Luxembourg	6.7	0.9	44.9	79.4	2.1	49.3	85.5	84.6
Madagascar	3.8	15.2	10.0	4.0	0.1	27.2	4.5	6.0
Malawi	5.4	34.0	25.3	64.4	0.8	49.6	7.1	80.3
Malaysia	4.4	2.0	10.9	53.2	0.2	50.4	24.5	20.2
Maldives	18.8	1.7		52.2	0.1	16.8	-20.9	55.8
Mali	4.5	7.8	4.5	15.3	0.2	27.0	1.0	5.3
Malta	6.7	0.0	153.9	67.0	0.2	19.2	235.3	208.6
Marshall Islands								
Mauritania	2.5	12.1	20.9	8.5	0.3	18.2	23.2	26.2
Mauritius	5.9	13.5	19.0	108.7	0.0	128.9	-10.7	18.3
Mexico	4.7	6.1	20.6	58.4	0.5	46.6	40.8	43.7
Micronesia (Federated States of)	1.8	1.2	199.5	0.2	2.8	586.9	-135.0	-381.5
Mongolia	1.6	0.1	128.8	22.2	0.5	11.7	93.0	141.4
Montenegro	5.9	6.4	299.2	92.8	1.1	35.8		369.6
Morocco	4.0	3.4	3.8	16.7	1.2	30.3	19.2	-1.2
Mozambique	5.5	14.3	5.6	9.6	0.4	20.7	9.8	14.6
Myanmar	8.8	41.6	20.8	27.4	0.9	55.1	33.8	44.5
Namibia	3.1	2.1	7.1	3.4	0.1	7.6	4.6	8.2

TABLE 55.
CROPLAND NITROGEN BALANCE (KG PER HA) (CONTINUED)

COUNTRY	2021						CROPLAND NITROGEN BALANCE	
	INPUT: ATMOSPHERIC DEPOSITION	INPUT: BIOLOGICAL FIXATION	INPUT: MANURE APPLIED TO SOILS	INPUT: MINERAL FERTILIZERS	INPUT: SEED	OUTPUT: CROP REMOVAL	2000	2021
Nauru	1.8		52.9	1.1	0.5	96.4	-33.9	-40.1
Nepal	30.8	30.6	45.6	58.5	1.8	104.1	46.8	63.1
Netherlands (Kingdom of the)	12.7	0.0	133.5	94.4	2.7	73.5	200.8	169.7
New Zealand	2.9	2.1	8.1	48.7	1.3	40.4	4.5	22.7
Nicaragua	4.6	14.1	25.9	34.6	0.5	35.9	19.4	43.8
Niger	4.4	4.2	2.0	0.3	0.4	10.6	2.4	0.6
Nigeria	6.7	14.3	4.3	12.8	0.3	31.8	-4.1	6.7
North Macedonia	6.2	1.8	24.6	28.7	1.0	34.5	41.8	27.8
Norway	1.7	0.3	59.7	127.6	1.5	31.2	143.8	159.7
Oman	3.2	0.0	13.6	88.5	0.1	51.4	36.0	54.0
Pakistan	15.7	5.8	33.6	117.7	1.0	50.7	66.8	123.1
Palau								
Panama	5.0	6.4	25.8	63.8	0.1	30.5	29.4	70.5
Papua New Guinea	1.2	0.7	12.2	19.9	0.2	47.0	-20.7	-12.7
Paraguay	6.7	145.0	8.0	26.9	2.8	150.6	22.7	38.8
Peru	2.2	4.4	18.6	57.5	0.4	31.0	30.2	52.1
Philippines	3.3	12.3	13.9	59.6	0.2	70.3	21.2	19.0
Poland	12.3	4.2	28.0	64.6	2.3	71.0	46.2	40.5
Portugal	3.1	1.1	48.2	44.0	0.2	22.3	67.2	74.4
Qatar	3.8		20.2	74.1	0.0	13.5	44.2	84.5
Republic of Korea	15.2	18.3	85.7	187.3	0.3	82.0	208.5	224.7
Republic of Moldova	7.0	2.6	13.3	29.9	1.2	57.4	3.5	-3.4
Romania	7.4	3.3	19.2	67.7	1.7	67.7	33.6	31.6
Russian Federation	4.5	4.5	9.3	18.7	1.0	27.5	11.7	10.3
Rwanda	5.9	21.4	14.6	6.5	1.2	36.7	-0.9	13.0
Saint Kitts and Nevis	6.4	3.8	20.7	2.5	0.1	14.2	45.1	19.3
Saint Lucia	6.4	0.3	28.0	32.5	0.1	23.1	69.3	44.2
Saint Vincent and the Grenadines	6.4	19.7	33.8	40.6	0.5	73.3	273.7	27.8
Samoa	0.5	0.0	26.1	0.3	0.1	33.1	-28.3	-6.1
San Marino								
Sao Tome and Principe	5.9		15.8	1.1	0.0	10.1	-11.9	12.8
Saudi Arabia	3.0	0.3	6.9	48.4	0.3	10.5	50.7	48.4
Senegal	2.5	35.4	6.1	4.0	0.2	35.7	21.3	12.6
Serbia	7.8	10.8	24.1	42.8	1.9	79.3		8.2
Seychelles	5.9		54.3	29.7	0.2	54.1	47.1	36.0
Sierra Leone	4.7	22.4	4.3	1.4	0.1	26.6	11.0	6.4
Singapore	18.8	0.0	1579.7	59.7	0.0	208.5	1770.5	1449.7
Slovakia	10.5	7.4	17.8	103.9	2.2	79.6	59.0	62.3
Slovenia	7.3	1.5	50.8	62.9	1.4	53.1	171.9	70.7
Solomon Islands	1.8	4.7	4.6	0.2	0.3	38.4	-59.1	-26.8
Somalia	3.0	2.5	17.5	0.8	0.1	6.5	16.0	17.4

TABLE 55.
CROPLAND NITROGEN BALANCE (KG PER HA) (CONTINUED)

COUNTRY	2021						CROPLAND NITROGEN BALANCE	
	INPUT: ATMOSPHERIC DEPOSITION	INPUT: BIOLOGICAL FIXATION	INPUT: MANURE APPLIED TO SOILS	INPUT: MINERAL FERTILIZERS	INPUT: SEED	OUTPUT: CROP REMOVAL	2000	2021
South Africa	4.9	12.3	3.7	51.8	0.6	41.1	12.4	32.1
South Sudan	5.9	9.7	22.3	0.0	0.1	14.1		23.9
Spain	6.3	2.1	33.8	54.1	1.2	40.9	62.1	56.6
Sri Lanka	3.8	13.3	6.0	44.6	0.1	65.1	45.6	2.7
Sudan	4.7	14.8	4.2	5.0	0.1	13.7		15.1
Suriname	1.1	23.9	35.9	94.6	0.0	64.7	74.8	90.9
Sweden	3.6	2.7	24.5	77.2	2.0	48.4	62.9	61.7
Switzerland	10.0	2.3	120.1	84.7	1.7	54.3	149.8	164.5
Syrian Arab Republic	4.9	3.1	0.8	3.3	0.5	14.8	22.3	-2.3
Tajikistan	4.2	4.2	58.5	45.3	1.5	68.8	9.7	44.8
Thailand	9.0	14.9	7.3	59.7	0.1	43.7	37.5	47.2
Timor-Leste	18.8	7.2	30.8	0.2	0.2	16.3	28.3	40.9
Togo	8.6	8.0	7.3	0.4	0.3	16.6	6.7	7.9
Tonga	1.8	4.8	22.5	3.1	0.2	36.8	-13.5	-4.3
Trinidad and Tobago	6.4	4.7	191.0	81.9	0.2	16.5	114.4	267.7
Tunisia	5.4	2.0	3.4	18.2	0.4	12.4	12.9	17.0
Türkiye	6.0	4.2	4.1	76.1	1.2	46.0	24.5	45.6
Turkmenistan	2.8	0.8	41.9	206.9	0.9	50.1	20.6	203.2
Tuvalu	1.8		62.2	4.2	0.1	21.1	38.0	47.2
Uganda	9.1	8.4	7.9	0.8	0.4	22.6	3.3	4.0
Ukraine	7.2	6.3	6.7	49.1	1.7	66.4	13.0	4.5
United Arab Emirates	3.3		35.0	165.4	0.0	25.8	63.8	178.0
United Kingdom of Great Britain and Northern Ireland	8.0	11.0	65.8	123.8	4.0	91.5	151.7	121.1
United Republic of Tanzania	4.5	13.5	4.7	5.5	0.5	25.4	3.0	3.3
United States of America	7.1	46.5	10.0	57.5	1.4	88.3	38.0	34.2
Uruguay	7.9	67.8	17.5	109.4	1.8	81.9	36.4	122.4
Uzbekistan	3.4	2.1	65.7	189.4	1.8	90.1	98.7	172.4
Vanuatu	0.5	1.6	7.9	0.0	0.2	41.1	-21.5	-31.0
Venezuela (Bolivarian Republic of)	6.3	3.5	50.3	33.0	0.2	24.5	60.9	68.8
Viet Nam	12.6	19.9	28.7	128.4	0.1	80.5	154.5	109.3
Yemen	2.8	3.6	8.2	4.5	0.3	15.8	3.6	3.6
Zambia	5.9	17.5	6.9	45.4	0.3	31.3	4.6	44.7
Zimbabwe	3.1	5.5	3.6	12.0	0.2	17.5	15.9	6.9

Source: FAO. 2023. FAOSTAT: Cropland nutrient balance. [Accessed on 15 November 2024].

<https://www.fao.org/faostat/en/#data/ESB>. Licence: CC-BY-4.0.

TABLE 56.
GREENHOUSE GAS EMISSIONS FROM AGRIFOOD SYSTEMS, 2022 (MILLION TONNES CO₂EQ)

COUNTRY	COMPONENT			GREENHOUSE GAS				TOTAL
	FARM GATE	PRE- AND POST-PRODUCTION	LAND-USE CHANGE	CO ₂	CH ₄	N ₂ O	F-GASES	
World	7 836.6	5 334.1	3 069.6	8 166.9	5 284.4	2 304.1	484.8	16 240.2
Africa	1 196.5	430.2	1 224.8	1 454.9	919.2	437.3	40.0	2 851.5
Americas	1 846.6	1 109.7	1 320.0	2 258.1	1 334.8	565.9	117.4	4 276.3
Asia	3 553.8	2 864.8	426.1	3 222.3	2 442.4	932.5	247.5	6 844.7
Europe	1 021.1	870.0	82.9	1 131.2	469.8	299.5	73.5	1 974.0
Oceania	218.6	59.3	15.9	100.3	118.1	69.0	6.5	293.8
Afghanistan	16.1	6.5	0.0	2.3	15.7	4.0	0.6	22.6
Albania	2.7	1.5	0.0	0.9	2.3	0.7	0.2	4.2
Algeria	14.2	44.0	0.6	35.3	17.1	5.8	0.6	58.8
Andorra	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1
Angola	34.5	5.4	45.3	38.0	27.1	20.0	0.1	85.2
Antigua and Barbuda	0.1	0.1	0.0	0.2	0.0	0.0	0.0	0.2
Argentina	159.3	52.8	56.0	107.7	107.2	46.9	6.2	268.1
Armenia	1.5	1.7	0.0	1.3	1.2	0.6	0.2	3.3
Australia	144.9	51.1	1.3	53.6	84.2	54.4	5.1	197.3
Austria	8.9	8.3	0.2	7.4	6.6	2.4	1.0	17.4
Azerbaijan	8.9	7.4	0.5	6.6	6.4	2.7	1.1	16.8
Bahamas	0.4	0.7	0.0	0.7	0.2	0.0	0.1	1.1
Bahrain	0.1	3.8	0.0	3.0	0.6	0.0	0.4	3.9
Bangladesh	119.1	25.5	0.0	26.7	90.1	25.9	1.9	144.6
Barbados	0.1	0.4	0.0	0.2	0.2	0.0	0.1	0.5
Belarus	69.0	17.3	0.0	59.6	12.2	14.3	0.2	86.3
Belgium	11.2	11.6	0.0	11.7	7.4	2.3	1.4	22.9
Belize	0.5	0.5	5.1	5.4	0.5	0.1	0.0	6.1
Benin	6.3	2.4	10.8	11.7	4.5	2.6	0.6	19.4
Bhutan	0.5	0.2	0.0	0.1	0.5	0.1	0.0	0.7
Bolivia (Plurinational State of)	33.3	7.9	73.9	71.6	29.1	11.7	2.7	115.1
Bosnia and Herzegovina	2.6	3.3	0.0	2.3	2.2	0.8	0.6	5.9
Botswana	11.7	1.6	40.5	42.6	6.1	4.8	0.3	53.8
Brazil	603.5	181.2	665.8	763.2	492.8	180.3	14.1	1 450.5
Brunei Darussalam	0.5	1.2	0.0	1.2	0.2	0.1	0.2	1.6
Bulgaria	5.1	5.2	3.2	9.0	2.9	1.5	0.2	13.5
Burkina Faso	25.0	3.9	6.5	7.3	18.9	8.6	0.6	35.4
Burundi	6.1	1.7	0.0	3.2	3.1	1.3	0.2	7.8
Cabo Verde	0.1	0.2	0.0	0.1	0.2	0.1	0.0	0.3
Cambodia	24.1	4.2	32.6	33.3	22.9	4.3	0.4	60.8
Cameroon	15.1	3.4	33.8	35.4	11.1	5.8	0.0	52.3
Canada	120.0	71.5	96.1	212.3	32.3	37.7	5.3	287.6
Central African Republic	18.9	0.9	34.8	14.0	22.9	17.4	0.3	54.7
Chad	90.5	2.3	23.9	23.8	65.4	27.0	0.4	116.6
Chile	13.4	19.3	0.0	12.7	11.1	4.9	4.0	32.6
China	943.7	1 398.0	0.0	1 322.3	578.3	338.3	102.8	2 341.8
Colombia	79.5	33.1	83.1	104.1	68.6	19.5	3.6	195.7

TABLE 56.
GREENHOUSE GAS EMISSIONS FROM AGRIFOOD SYSTEMS, 2022 (MILLION TONNES CO₂EQ) (CONTINUED)

COUNTRY	COMPONENT			GREENHOUSE GAS				TOTAL
	FARM GATE	PRE- AND POST-PRODUCTION	LAND-USE CHANGE	CO ₂	CH ₄	N ₂ O	F-GASES	
Comoros	0.1	0.1	0.1	0.1	0.2	0.0	0.0	0.3
Congo	6.3	0.8	7.2	10.4	2.3	1.7	0.0	14.4
Costa Rica	4.7	3.2	0.1	1.6	4.7	1.4	0.2	7.9
Côte d'Ivoire	9.4	8.4	23.7	28.7	8.1	3.0	1.7	41.4
Croatia	3.2	4.9	0.5	4.8	2.2	1.2	0.3	8.6
Cuba	13.7	5.5	0.0	7.3	9.0	2.5	0.5	19.3
Cyprus	0.6	1.1	0.0	1.0	0.5	0.2	0.0	1.8
Czechia	8.6	12.3	1.0	11.9	4.7	3.5	1.8	21.9
Democratic People's Republic of Korea	5.7	3.0	3.1	4.3	4.2	1.2	2.1	11.8
Democratic Republic of the Congo	29.2	10.7	624.3	601.6	37.2	23.5	1.8	664.2
Denmark	14.3	4.0	2.3	9.4	6.8	4.1	0.2	20.6
Djibouti	0.8	0.3	0.0	0.1	0.6	0.2	0.1	1.0
Dominica	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Dominican Republic	11.1	10.4	0.6	6.8	10.9	3.1	1.4	22.2
Ecuador	14.1	9.4	26.0	32.2	13.6	3.7	0.2	49.6
Egypt	31.2	59.0	0.2	43.6	28.5	14.9	3.4	90.4
El Salvador	2.4	3.2	1.1	2.6	3.2	0.7	0.2	6.7
Equatorial Guinea	0.2	0.5	3.8	4.1	0.1	0.0	0.2	4.4
Eritrea	4.9	0.1	0.7	0.7	3.4	1.5		5.6
Estonia	7.8	1.7	0.0	6.9	0.9	1.5	0.1	9.4
Eswatini	1.3	0.8	0.3	1.1	0.8	0.4	0.1	2.4
Ethiopia	134.5	9.5	31.5	38.1	93.4	44.0	0.0	175.5
Fiji	0.5	0.4	0.0	0.2	0.4	0.1	0.2	0.9
Finland	22.0	5.1	0.0	19.4	2.7	4.3	0.7	27.1
France	86.5	82.9	0.0	78.4	49.1	27.8	14.1	169.4
Gabon	1.2	0.7	5.7	6.7	0.5	0.4	0.0	7.6
Gambia	1.1	0.4	0.5	0.6	1.0	0.3	0.1	2.0
Georgia	2.1	3.4	0.0	2.1	1.8	1.6	0.1	5.6
Germany	93.1	86.0	0.0	112.8	39.3	24.2	2.7	179.0
Ghana	12.6	7.5	0.1	3.4	11.4	5.3	0.0	20.1
Greece	9.7	13.0	0.0	9.0	8.9	3.0	1.8	22.7
Grenada	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1
Guatemala	11.3	6.6	4.5	7.7	10.7	3.7	0.3	22.4
Guinea	24.0	1.9	11.5	12.8	17.5	6.6	0.6	37.4
Guinea-Bissau	2.1	0.4	1.6	1.6	1.6	0.7	0.1	4.0
Guyana	5.8	0.5	9.7	13.9	1.6	0.5	0.1	16.0
Haiti	4.7	7.3	0.6	1.4	5.9	1.3	4.1	12.6
Honduras	7.6	4.3	5.6	7.5	7.2	2.3	0.6	17.5
Hungary	14.5	11.1	0.4	14.0	5.8	5.0	1.3	26.0
Iceland	2.0	0.5	0.0	1.5	0.5	0.4	0.2	2.5
India	954.5	354.8	0.6	320.3	722.6	224.8	42.2	1 309.9
Indonesia	398.7	163.4	226.7	557.7	173.3	57.7	0.1	788.8

TABLE 56.
GREENHOUSE GAS EMISSIONS FROM AGRIFOOD SYSTEMS, 2022 (MILLION TONNES CO₂EQ) (CONTINUED)

COUNTRY	COMPONENT			GREENHOUSE GAS				TOTAL
	FARM GATE	PRE- AND POST-PRODUCTION	LAND-USE CHANGE	CO ₂	CH ₄	N ₂ O	F-GASES	
Iran (Islamic Republic of)	71.4	69.8	0.0	81.4	39.5	19.0	1.3	141.2
Iraq	8.0	20.6	0.5	9.9	15.4	3.7	0.0	29.0
Ireland	35.8	4.9	0.0	15.4	16.7	8.1	0.4	40.7
Israel	4.4	13.6	0.1	8.2	3.2	1.1	5.6	18.1
Italy	43.5	92.1	0.0	77.3	28.9	11.6	17.8	135.7
Jamaica	2.2	2.3	0.0	2.7	1.4	0.3	0.1	4.5
Japan	44.5	115.0	1.7	122.2	23.1	10.3	5.5	161.2
Jordan	2.7	5.8	0.0	4.8	2.7	0.7	0.4	8.5
Kazakhstan	32.8	25.4	0.0	24.5	23.0	10.1	0.7	58.2
Kenya	56.0	8.4	0.0	1.6	44.9	17.7	0.1	64.4
Kiribati	0.0	0.0	0.0	0.0	0.0	0.0		0.0
Kuwait	1.4	10.8	0.0	6.9	1.9	0.4	2.9	12.2
Kyrgyzstan	6.1	1.8	0.0	0.9	5.2	1.7	0.1	7.8
Lao People's Democratic Republic	11.3	3.3	13.5	14.1	9.2	2.9	1.8	28.2
Latvia	8.8	1.3	0.6	7.1	1.6	2.0	0.0	10.7
Lebanon	1.5	5.7	0.0	2.8	1.9	0.5	2.0	7.3
Lesotho	1.1	0.6	0.0	0.2	0.8	0.4	0.3	1.6
Liberia	0.6	0.7	13.7	13.9	0.9	0.3	0.0	15.0
Libya	3.9	7.9	0.0	6.6	3.1	1.2	0.9	11.8
Lithuania	15.1	6.6	0.7	16.2	2.3	3.7	0.2	22.4
Luxembourg	0.7	0.9	0.0	0.9	0.5	0.2	0.0	1.6
Madagascar	28.6	3.8	5.2	9.5	21.6	6.4	0.0	37.5
Malawi	9.9	1.3	7.5	8.2	5.5	4.8	0.3	18.7
Malaysia	44.8	42.8	32.7	97.7	11.5	5.8	5.4	120.4
Maldives	0.0	0.3	0.0	0.2	0.1	0.0	0.0	0.3
Mali	37.8	2.6	0.1	1.0	26.5	12.6	0.4	40.5
Malta	0.1	0.5	0.0	0.2	0.2	0.0	0.2	0.6
Marshall Islands	0.0	0.0	0.0	0.0	0.0	0.0		0.0
Mauritania	10.5	1.0	0.7	1.4	7.9	2.9	0.0	12.2
Mauritius	0.1	1.6	0.0	0.4	0.2	0.1	1.1	1.8
Mexico	113.3	110.0	15.1	68.2	130.2	33.9	6.2	238.5
Micronesia (Federated States of)	0.1	0.0	0.0	0.0	0.1	0.0		0.1
Mongolia	55.8	4.8	0.2	24.5	23.2	13.0	0.1	60.8
Montenegro	0.4	0.7	0.0	0.4	0.4	0.1	0.1	1.1
Morocco	20.3	25.7	0.0	24.7	14.0	7.2	0.1	46.0
Mozambique	21.0	3.8	58.5	54.6	16.8	11.6	0.2	83.3
Myanmar	75.9	12.0	90.3	101.6	62.6	13.5	0.4	178.2
Namibia	8.0	0.6	10.6	11.8	4.6	2.7	0.2	19.2
Nauru	0.0	0.0	0.0	0.0	0.0	0.0		0.0
Nepal	30.8	5.3	0.5	4.2	25.7	5.6	1.1	36.6
Netherlands (Kingdom of the)	37.8	22.3	0.0	38.4	14.0	7.0	0.7	60.1
New Zealand	46.8	6.2	1.8	10.2	31.2	12.6	0.8	54.8
Nicaragua	12.8	3.1	20.5	21.5	11.6	3.0	0.2	36.4

TABLE 56.
GREENHOUSE GAS EMISSIONS FROM AGRIFOOD SYSTEMS, 2022 (MILLION TONNES CO₂EQ) (CONTINUED)

COUNTRY	COMPONENT			GREENHOUSE GAS				TOTAL
	FARM GATE	PRE- AND POST-PRODUCTION	LAND-USE CHANGE	CO ₂	CH ₄	N ₂ O	F-GASES	
Niger	38.0	3.2	1.3	1.6	28.2	12.2	0.4	42.4
Nigeria	87.4	87.0	46.3	100.7	89.2	29.4	1.4	220.7
North Macedonia	1.1	2.4	0.0	1.6	1.2	0.3	0.3	3.5
Norway	12.3	2.8	0.0	8.9	3.1	2.7	0.3	15.0
Oman	2.2	9.4	0.0	8.5	1.8	0.7	0.6	11.6
Pakistan	227.3	56.3	7.0	31.9	197.3	60.2	1.2	290.6
Palau	0.0	0.0	0.0	0.0	0.0	0.0		0.0
Panama	4.4	4.4	3.8	6.4	4.5	1.0	0.7	12.6
Papua New Guinea	25.1	0.9	11.6	34.3	1.5	1.5	0.2	37.5
Paraguay	31.4	3.1	48.1	49.2	25.2	8.1	0.0	82.5
Peru	28.7	16.8	93.1	100.2	29.6	7.9	0.8	138.5
Philippines	70.5	36.8	0.0	25.1	66.4	11.2	4.6	107.4
Poland	70.3	60.9	0.0	80.2	27.1	22.2	1.6	131.2
Portugal	9.0	10.6	0.0	8.3	8.1	2.2	1.2	19.7
Qatar	2.9	10.9	0.0	10.1	1.0	0.4	2.3	13.8
Republic of Korea	29.9	67.1	2.8	68.7	18.2	6.0	6.9	99.8
Republic of Moldova	1.9	3.7	0.0	2.1	2.5	0.8	0.2	5.6
Romania	17.4	15.7	5.1	17.4	12.2	8.0	0.6	38.2
Russian Federation	185.1	223.2	34.5	280.7	85.1	65.5	11.6	442.9
Rwanda	4.9	3.4	0.0	2.0	4.8	1.3	0.2	8.3
Saint Kitts and Nevis	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1
Saint Lucia	0.0	0.2	0.0	0.1	0.1	0.0	0.0	0.3
Saint Vincent and the Grenadines	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1
Samoa	0.2	0.1	0.1	0.2	0.1	0.0		0.3
San Marino	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sao Tome and Principe	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.3
Saudi Arabia	15.7	58.8	0.0	49.9	18.2	5.9	0.6	74.5
Senegal	13.8	4.8	4.0	5.7	10.7	5.1	1.0	22.6
Serbia	6.9	8.1	6.6	12.5	4.9	3.0	1.2	21.6
Seychelles	0.0	0.1	0.0	0.1	0.1	0.0	0.0	0.1
Sierra Leone	3.9	0.9	3.5	3.7	3.4	1.1	0.0	8.3
Singapore	0.0	4.8	0.0	2.6	0.2	0.0	2.0	4.9
Slovakia	2.6	4.0	0.0	3.1	2.0	1.2	0.3	6.6
Slovenia	2.0	1.9	1.2	2.9	1.5	0.6	0.1	5.1
Solomon Islands	0.1	0.2	0.2	0.3	0.1	0.0	0.1	0.5
Somalia	23.4	1.4	17.4	17.4	19.2	5.4	0.0	42.1
South Africa	43.1	44.4	6.7	50.0	26.7	14.4	3.1	94.2
South Sudan	54.2	2.0	1.8	9.7	29.4	17.6	1.4	58.1
Spain	50.9	38.5	0.8	35.0	38.9	15.1	1.0	90.1
Sri Lanka	7.8	6.3	0.6	4.4	8.5	1.5	0.4	14.7
Sudan	80.9	8.8	21.0	26.1	57.7	25.5	1.4	110.8
Suriname	1.7	0.4	8.6	9.8	0.6	0.2	0.1	10.7
Sweden	19.0	3.9	23.8	37.5	4.2	4.5	0.5	46.7

TABLE 56.
GREENHOUSE GAS EMISSIONS FROM AGRIFOOD SYSTEMS, 2022 (MILLION TONNES CO₂EQ) (CONTINUED)

COUNTRY	COMPONENT			GREENHOUSE GAS				TOTAL
	FARM GATE	PRE- AND POST-PRODUCTION	LAND-USE CHANGE	CO ₂	CH ₄	N ₂ O	F-GASES	
Switzerland	6.8	9.1	0.5	6.6	5.1	1.4	3.2	16.3
Syrian Arab Republic	7.4	10.5	0.3	4.7	7.4	2.6	3.7	18.3
Tajikistan	7.8	1.8	0.0	0.8	6.5	2.3	0.0	9.6
Thailand	83.7	90.0	11.7	66.2	79.6	14.8	24.8	185.5
Timor-Leste	1.1	0.5	0.5	0.5	0.9	0.2	0.3	2.0
Togo	3.9	2.0	1.2	1.5	3.2	1.8	0.5	7.0
Tonga	0.1	0.0	0.0	0.1	0.1	0.0		0.1
Trinidad and Tobago	0.3	20.9	0.1	18.4	0.8	0.9	1.2	21.3
Tunisia	6.5	10.3	0.0	8.1	4.9	2.7	1.1	16.8
Türkiye	71.3	78.6	0.0	55.3	58.3	30.1	6.3	150.0
Turkmenistan	16.6	4.6	0.0	7.4	7.9	5.7	0.2	21.2
Tuvalu	0.0	0.0	0.0	0.0	0.0	0.0		0.0
Uganda	35.2	13.0	10.5	17.8	24.6	10.2	6.1	58.7
Ukraine	51.1	39.4	1.4	53.1	18.2	19.9	0.7	91.9
United Arab Emirates	4.2	15.5	0.0	14.4	3.8	1.0	0.5	19.7
United Kingdom of Great Britain and Northern Ireland	80.6	47.7	0.0	65.9	36.2	21.9	4.3	128.3
United Republic of Tanzania	70.2	18.6	62.5	64.7	55.3	23.4	7.9	151.3
United States of America	485.7	502.7	59.7	551.3	265.4	171.7	59.7	1 048.1
Uruguay	28.6	2.6	0.0	2.0	22.1	6.9	0.2	31.2
Uzbekistan	44.8	21.1	0.0	21.0	29.4	15.4	0.1	65.9
Vanuatu	0.3	0.1	0.0	0.0	0.2	0.1	0.1	0.4
Venezuela (Bolivarian Republic of)	43.8	20.1	40.0	57.9	32.5	10.3	3.1	103.9
Viet Nam	83.6	65.9	0.1	61.6	60.8	21.2	5.9	149.6
Yemen	9.1	9.4	0.0	2.4	8.5	3.3	4.4	18.5
Zambia	39.8	2.6	34.5	34.4	23.6	18.9	0.0	76.9
Zimbabwe	12.0	2.8	10.7	12.5	8.3	4.2	0.5	25.4

Source: FAO. 2024. FAOSTAT: Emissions totals. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/GT>.

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TABLE 57.
FARM-GATE GREENHOUSE GAS EMISSIONS BY ACTIVITY, 2022 (MILLION TONNES CO₂EQ)

COUNTRY	ENTERIC FERMENTATION	ON-FARM ENERGY USE	DRAINED ORGANIC SOILS	MANURE LEFT ON PASTURE	RICE CULTIVATION	OTHER	TOTAL
World	2 905.3	928.5	922.5	792.9	682.8	1 604.6	7 836.6
Africa	551.2	40.1	63.3	253.7	48.2	239.9	1 196.5
Americas	943.3	161.1	124.0	235.2	28.5	354.5	1 846.6
Asia	1 055.2	582.4	367.4	243.0	599.1	706.7	3 553.8
Europe	269.5	132.4	338.6	29.3	6.3	245.0	1 021.1
Oceania	86.1	12.5	29.3	31.6	0.6	58.5	218.6
Afghanistan	11.0	0.1	0.0	2.7	0.5	1.8	16.1
Albania	1.4	0.3	0.1	0.3	0.0	0.6	2.7
Algeria	7.6	1.2	0.0	4.0	0.0	1.4	14.2
Andorra		0.0	0.0			0.0	0.0
Angola	5.7	0.0	0.3	2.8	0.1	25.7	34.5
Antigua and Barbuda	0.0	0.1	0.0	0.0		0.0	0.1
Argentina	89.5	14.3	5.8	23.6	1.5	24.7	159.3
Armenia	0.7	0.3	0.0	0.4		0.2	1.5
Australia	58.6	9.9	3.3	22.5	0.6	50.1	144.9
Austria	4.2	1.1	0.3	0.4		2.8	8.9
Azerbaijan	4.0	2.2	0.0	2.1	0.0	0.6	8.9
Bahamas	0.0	0.3	0.0	0.0		0.0	0.4
Bahrain	0.0	0.1	0.0	0.0		0.0	0.1
Bangladesh	37.2	4.0	18.0	9.6	32.5	17.8	119.1
Barbados	0.0	0.0	0.0	0.0		0.0	0.1
Belarus	8.6	3.7	49.8	0.5		6.4	69.0
Belgium	4.9	2.4	0.2	0.4		3.3	11.2
Belize	0.2	0.1	0.2	0.0	0.0	0.1	0.5
Benin	3.1	0.0	0.0	1.5	0.1	1.5	6.3
Bhutan	0.4	0.0	0.0	0.1	0.0	0.1	0.5
Bolivia (Plurinational State of)	21.4	0.8	0.0	5.9	0.4	4.7	33.3
Bosnia and Herzegovina	1.1	0.3	0.1	0.1		0.9	2.6
Botswana	1.2	0.3	0.7	0.5		9.0	11.7
Brazil	386.5	28.8	0.5	99.2	3.0	85.5	603.5
Brunei Darussalam	0.0	0.1	0.3	0.0	0.0	0.1	0.5
Bulgaria	1.5	0.7	1.3	0.2	0.1	1.3	5.1
Burkina Faso	14.0	0.0	0.0	6.8	1.4	2.8	25.0
Burundi	1.5	0.1	3.2	0.8	0.1	0.5	6.1
Cabo Verde	0.1	0.0	0.0	0.0		0.0	0.1
Cambodia	4.8	0.0	0.0	0.8	14.4	4.0	24.1
Cameroon	6.9	0.0	1.6	3.4	0.3	2.9	15.1
Canada	20.1	20.8	45.5	4.1		29.5	120.0
Central African Republic	5.2	0.0	0.1	2.5	0.1	11.0	18.9
Chad	59.1	0.2	0.0	24.3	0.3	6.6	90.5
Chile	5.4	2.5	1.2	1.6	0.1	2.4	13.4
China	191.1	275.9	4.6	55.5	146.0	270.6	943.7
Colombia	50.3	4.3	0.8	12.6	3.4	8.2	79.5
Comoros	0.1	0.0	0.0	0.0	0.0	0.0	0.1

TABLE 57.
FARM-GATE GREENHOUSE GAS EMISSIONS BY ACTIVITY, 2022 (MILLION TONNES CO₂EQ) (CONTINUED)

COUNTRY	ENTERIC FERMENTATION	ON-FARM ENERGY USE	DRAINED ORGANIC SOILS	MANURE LEFT ON PASTURE	RICE CULTIVATION	OTHER	TOTAL
Congo	0.4	0.2	3.2	0.2	0.0	2.5	6.3
Costa Rica	3.1	0.0	0.1	0.6	0.0	0.8	4.7
Côte d'Ivoire	2.5	0.3	2.4	1.5	0.6	2.0	9.4
Croatia	1.0	0.8	0.0	0.1		1.3	3.2
Cuba	6.5	4.3	0.0	1.8	0.4	0.8	13.7
Cyprus	0.2	0.2	0.0	0.1		0.1	0.6
Czechia	2.8	1.9	0.3	0.2		3.4	8.6
Democratic People's Republic of Korea	1.4	0.2	0.2	0.5	2.4	0.9	5.7
Democratic Republic of the Congo	2.1	0.0	0.5	1.1	1.3	24.3	29.2
Denmark	3.8	1.7	2.8	0.3		5.7	14.3
Djibouti	0.5	0.0	0.0	0.2		0.0	0.8
Dominica	0.0	0.0	0.0	0.0		0.0	0.0
Dominican Republic	5.4	0.9	0.0	1.7	1.5	1.6	11.1
Ecuador	6.6	1.6	0.1	1.8	2.0	2.0	14.1
Egypt	6.5	6.7	0.0	3.4	5.1	9.5	31.2
El Salvador	1.5	0.3	0.0	0.3	0.0	0.4	2.4
Equatorial Guinea	0.0	0.1	0.0	0.0		0.0	0.2
Eritrea	3.3	0.0	0.0	1.4		0.2	4.9
Estonia	0.6	0.4	6.2	0.1		0.6	7.8
Eswatini	0.6	0.2	0.0	0.3	0.0	0.1	1.3
Ethiopia	80.6	0.6	5.8	36.7	0.2	10.6	134.5
Fiji	0.2	0.0	0.1	0.1	0.0	0.2	0.5
Finland	1.8	1.7	16.7	0.2		1.7	22.0
France	34.9	12.8	6.8	3.7	0.2	28.2	86.5
Gabon	0.1	0.0	0.6	0.1	0.0	0.4	1.2
Gambia	0.4	0.1	0.0	0.2	0.3	0.1	1.1
Georgia	1.2	0.1	0.0	0.6		0.3	2.1
Germany	25.4	10.5	32.7	2.2		22.3	93.1
Ghana	4.2	0.5	0.1	2.4	0.6	4.8	12.6
Greece	3.2	1.5	1.5	1.0	0.4	2.1	9.7
Grenada	0.0	0.0	0.0	0.0		0.0	0.0
Guatemala	7.1	0.4	0.0	1.7	0.0	2.1	11.3
Guinea	9.5	0.3	0.7	4.4	5.0	4.0	24.0
Guinea-Bissau	0.9	0.1	0.0	0.4	0.3	0.4	2.1
Guyana	0.2	0.7	3.4	0.1	1.1	0.2	5.8
Haiti	3.1	0.1	0.0	0.9	0.2	0.4	4.7
Honduras	4.9	0.4	0.0	1.2	0.0	1.1	7.6
Hungary	2.1	1.9	6.6	0.2	0.0	3.7	14.5
Iceland	0.3	0.7	0.9	0.1		0.1	2.0
India	399.2	159.9	5.1	60.4	137.1	192.9	954.5
Indonesia	31.9	2.9	251.4	12.9	61.9	37.6	398.7
Iran (Islamic Republic of)	17.5	33.1	0.0	7.6	2.5	10.8	71.4
Iraq	3.8	0.4	0.0	2.1	0.0	1.6	8.0
Ireland	14.0	1.0	12.8	1.5		6.6	35.8

TABLE 57.
FARM-GATE GREENHOUSE GAS EMISSIONS BY ACTIVITY, 2022 (MILLION TONNES CO₂EQ) (CONTINUED)

COUNTRY	ENTERIC FERMENTATION	ON-FARM ENERGY USE	DRAINED ORGANIC SOILS	MANURE LEFT ON PASTURE	RICE CULTIVATION	OTHER	TOTAL
Israel	0.7	2.9	0.0	0.5		0.3	4.4
Italy	15.6	9.8	0.8	1.8	3.1	12.4	43.5
Jamaica	0.3	1.4	0.3	0.1	0.0	0.1	2.2
Japan	6.1	17.2	5.1	1.4	8.7	5.9	44.5
Jordan	0.6	1.5	0.0	0.4		0.2	2.7
Kazakhstan	18.2	3.0	0.0	4.0	0.5	7.2	32.8
Kenya	36.9	0.1	0.1	15.8	0.1	3.0	56.0
Kiribati	0.0	0.0	0.0	0.0		0.0	0.0
Kuwait	0.2	0.8	0.0	0.3		0.1	1.4
Kyrgyzstan	4.0	0.0	0.0	0.8	0.1	1.1	6.1
Lao People's Democratic Republic	5.3	0.2	0.0	0.9	2.3	2.6	11.3
Latvia	0.9	0.6	6.2	0.1		1.1	8.8
Lebanon	0.2	0.8	0.0	0.3		0.2	1.5
Lesotho	0.7	0.0	0.0	0.3		0.1	1.1
Liberia	0.1	0.0	0.1	0.1	0.1	0.2	0.6
Libya	1.8	0.8	0.0	1.0		0.2	3.9
Lithuania	1.5	0.3	11.5	0.1		1.7	15.1
Luxembourg	0.4	0.1	0.0	0.0		0.2	0.7
Madagascar	8.8	0.0	4.5	4.1	7.9	3.2	28.6
Malawi	3.8	0.1	0.9	2.0	0.1	3.1	9.9
Malaysia	1.2	3.3	32.8	0.8	3.2	3.5	44.8
Maldives		0.0	0.0			0.0	0.0
Mali	20.6	0.3	0.0	9.7	1.7	5.5	37.8
Malta	0.0	0.0	0.0	0.0		0.0	0.1
Marshall Islands		0.0	0.0			0.0	0.0
Mauritania	6.5	0.2	0.0	2.6	0.6	0.5	10.5
Mauritius	0.0	0.0	0.0	0.1	0.0	0.1	0.1
Mexico	66.3	11.9	0.0	19.0	0.1	16.0	113.3
Micronesia (Federated States of)	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Mongolia	19.6	0.1	26.4	6.5		3.2	55.8
Montenegro	0.2	0.0	0.0	0.0		0.1	0.4
Morocco	7.8	5.5	0.0	4.6	0.0	2.4	20.3
Mozambique	2.7	0.9	0.0	1.4	0.6	15.4	21.0
Myanmar	18.3	0.4	14.6	3.0	30.2	9.3	75.9
Namibia	3.1	1.0	0.0	1.5		2.3	8.0
Nauru	0.0	0.0	0.0	0.0		0.0	0.0
Nepal	16.7	0.9	2.6	2.9	4.2	3.5	30.8
Netherlands (Kingdom of the)	9.4	11.8	8.5	0.8		7.3	37.8
New Zealand	26.5	2.0	2.7	8.9		6.7	46.8
Nicaragua	9.4	0.1	0.0	2.2	0.1	1.0	12.8
Niger	24.8	0.0	0.0	11.0	0.1	2.1	38.0
Nigeria	39.5	2.0	0.0	20.9	14.0	11.0	87.4
North Macedonia	0.6	0.1	0.0	0.1	0.0	0.3	1.1
Norway	2.3	1.6	6.4	0.3		1.5	12.3

TABLE 57.
FARM-GATE GREENHOUSE GAS EMISSIONS BY ACTIVITY, 2022 (MILLION TONNES CO₂EQ) (CONTINUED)

COUNTRY	ENTERIC FERMENTATION	ON-FARM ENERGY USE	DRAINED ORGANIC SOILS	MANURE LEFT ON PASTURE	RICE CULTIVATION	OTHER	TOTAL
Oman	1.3	0.2	0.0	0.6		0.2	2.2
Pakistan	140.7	4.0	0.0	26.3	11.7	44.6	227.3
Palau		0.0	0.0			0.0	0.0
Panama	2.5	0.1	0.7	0.7	0.0	0.4	4.4
Papua New Guinea	0.2	0.4	23.2	0.1	0.0	1.3	25.1
Paraguay	21.5	0.0	0.0	5.5	0.7	3.7	31.4
Peru	16.8	0.7	0.1	4.4	2.7	3.9	28.7
Philippines	8.6	4.1	0.0	2.0	45.0	10.7	70.5
Poland	13.4	9.0	33.6	0.8		13.5	70.3
Portugal	3.6	1.7	0.3	0.5	0.4	2.5	9.0
Qatar	0.3	2.3	0.0	0.2		0.1	2.9
Republic of Korea	5.9	14.1	0.0	1.2	4.3	4.4	29.9
Republic of Moldova	0.4	0.5	0.2	0.1		0.8	1.9
Romania	7.1	1.7	0.7	1.2	0.0	6.9	17.4
Russian Federation	42.2	29.4	63.1	3.8	1.3	45.3	185.1
Rwanda	1.7	0.1	1.8	0.8	0.1	0.5	4.9
Saint Kitts and Nevis	0.0	0.0	0.0	0.0		0.0	0.0
Saint Lucia	0.0	0.0	0.0	0.0		0.0	0.0
Saint Vincent and the Grenadines	0.0	0.0	0.0	0.0		0.0	0.0
Samoa	0.1	0.0	0.0	0.0		0.1	0.2
San Marino			0.0			0.0	0.0
Sao Tome and Principe	0.0	0.0	0.0	0.0		0.0	0.0
Saudi Arabia	7.3	2.9	0.0	3.5	0.0	2.0	15.7
Senegal	6.1	0.4	0.0	3.2	0.7	3.3	13.8
Serbia	2.5	0.6	0.0	0.3		3.5	6.9
Seychelles	0.0	0.0	0.0	0.0		0.0	0.0
Sierra Leone	1.1	0.1	0.0	0.6	1.3	0.8	3.9
Singapore	0.0	0.0	0.0	0.0		0.0	0.0
Slovakia	0.9	0.3	0.1	0.1		1.3	2.6
Slovenia	0.9	0.2	0.2	0.1		0.5	2.0
Solomon Islands	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Somalia	17.1	0.1	0.0	5.2	0.0	1.0	23.4
South Africa	15.0	11.9	0.6	7.5	0.0	8.1	43.1
South Sudan	19.4	0.1	9.9	8.9	0.1	15.8	54.2
Spain	16.8	9.7	0.5	2.5	0.8	20.5	50.9
Sri Lanka	1.7	0.0	1.3	0.3	3.3	1.3	7.8
Sudan	50.8	1.7	0.0	21.8	0.0	6.5	80.9
Suriname	0.1	0.4	0.7	0.0	0.4	0.1	1.7
Sweden	2.9	1.3	11.7	0.3		2.8	19.0
Switzerland	3.5	0.5	1.0	0.3		1.5	6.8
Syrian Arab Republic	3.8	1.1	0.0	2.0	0.0	0.5	7.4
Tajikistan	4.9	0.2	0.0	0.9	0.1	1.6	7.8
Thailand	7.7	7.6	1.1	1.7	51.4	14.1	83.7
Timor-Leste	0.6	0.0	0.0	0.1	0.2	0.2	1.1

TABLE 57.
FARM-GATE GREENHOUSE GAS EMISSIONS BY ACTIVITY, 2022 (MILLION TONNES CO₂EQ) (CONTINUED)

COUNTRY	ENTERIC FERMENTATION	ON-FARM ENERGY USE	DRAINED ORGANIC SOILS	MANURE LEFT ON PASTURE	RICE CULTIVATION	OTHER	TOTAL
Togo	1.5	0.0	0.0	0.9	0.0	1.4	3.9
Tonga	0.0	0.0	0.0	0.0		0.0	0.1
Trinidad and Tobago	0.1	0.1	0.0	0.1	0.0	0.1	0.3
Tunisia	2.1	1.9	0.0	1.5		0.9	6.5
Türkiye	25.8	17.3	0.0	14.2	0.9	13.1	71.3
Turkmenistan	6.8	3.5	0.0	1.8	0.1	4.4	16.6
Tuvalu	0.0	0.0	0.0	0.0		0.0	0.0
Uganda	17.1	0.5	6.1	8.0	0.5	3.0	35.2
Ukraine	6.5	5.9	23.2	0.4	0.0	15.0	51.1
United Arab Emirates	1.5	1.9	0.0	0.6		0.2	4.2
United Kingdom of Great Britain and Northern Ireland	26.3	3.7	31.3	4.4		15.0	80.6
United Republic of Tanzania	35.0	0.1	4.7	16.0	4.3	10.0	70.2
United States of America	166.2	64.0	56.1	33.6	8.6	157.3	485.7
Uruguay	19.5	0.5	0.2	5.1	1.2	2.1	28.6
Uzbekistan	24.1	5.4	0.0	4.3	0.3	10.7	44.8
Vanuatu	0.2	0.0	0.0	0.1		0.1	0.3
Venezuela (Bolivarian Republic of)	28.1	1.0	1.7	6.8	1.1	5.1	43.8
Viet Nam	13.1	6.8	4.0	3.1	35.0	21.6	83.6
Yemen	5.5	0.2	0.0	2.9		0.4	9.1
Zambia	4.9	0.2	15.3	2.4	0.1	16.8	39.8
Zimbabwe	6.1	0.7	0.0	2.9	0.0	2.4	12.0

Source: FAO. 2024. FAOSTAT: Emissions totals. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/GT>.

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TABLE 58.
EMISSIONS INTENSITY OF AGRICULTURAL COMMODITIES, 2022 (KG CO₂EQ PER KG)

COUNTRY	MEAT				MILK		EGGS	CEREALS	
	MEAT, CATTLE	MEAT, SHEEP	MEAT, PIG	MEAT, CHICKEN	MILK, WHOLE FRESH SHEEP	MILK, WHOLE FRESH COW	EGGS, HEN, IN SHELL	RICE, PADDY	CEREALS EXCLUDING RICE
World	27.6	23.1	1.2	0.6	5.4	0.9	0.5	1.0	0.2
Africa	54.8	33.8	3.6	0.9	7.6	2.9	0.8	1.2	0.2
Americas	27.2	38.3	1.7	0.3	6.3	0.7	0.4	1.0	0.2
Asia	25.2	17.3	1.0	0.9	5.5	1.0	0.5	0.9	0.2
Europe	15.8	24.9	1.3	0.3	2.9	0.6	0.9	1.9	0.1
Oceania	23.8	27.2	4.0	0.3		0.7	0.4	0.8	0.2
Afghanistan	18.8	14.6		0.4	6.4	3.6	2.5	0.8	0.1
Albania	2.2	4.9	3.8	0.0	4.6	1.4	1.0		0.2
Algeria	6.4	7.1	7.3	1.7	7.0	0.7	0.4	119.2	0.1
Andorra									
Angola	53.2	50.7	3.5	0.5		3.5	1.6	6.9	0.2
Antigua and Barbuda	34.6	458.1	14.7	0.0		2.4	0.7		0.1
Argentina	30.8	60.7	1.0	0.1		0.3	0.3	1.3	0.1
Armenia	6.0	3.7	1.7	0.6	2.2	0.8	0.4		0.3
Australia	26.7	32.4	2.5	0.2		0.6	0.4	0.8	0.2
Austria	12.5	18.5	1.2			0.6			0.1
Azerbaijan	10.3	15.3	1.5	0.4	2.1	1.1	0.7	2.1	0.1
Bahamas	7.0	44.0	1.8	1.9		2.2	0.7		0.1
Bahrain	3.8	0.5		0.7	2.5	0.8	0.3		
Bangladesh	64.9	33.4		1.8	4.0	1.4	2.1	0.7	0.1
Barbados	82.3	31.6	1.4	0.9		1.8	1.7		0.6
Belarus	16.1	24.3	1.0	0.6		0.6	1.3		0.3
Belgium	14.6	15.1	1.2	0.3		0.5			0.1
Belize	99.0	65.1	1.3	0.2		2.1	1.2	0.4	0.2
Benin	55.1	19.3	16.3	0.0		8.4	5.3	0.4	0.2
Bhutan	86.1	106.7	2.5	0.7		2.8	0.9	0.7	0.1
Bolivia (Plurinational State of)	64.4	40.6	3.2	1.5	7.8	0.9	1.1	0.7	0.1
Bosnia and Herzegovina	25.8	211.0	13.1	0.3	4.8	1.5	1.5		0.2
Botswana	29.6	36.1	1.0	0.4		1.3	1.1		0.9
Brazil	38.6	40.1	1.1	0.3		1.0	0.4	0.6	0.2
Brunei Darussalam	0.3	29.0	6.1	2.4		5.5	0.6	1.8	
Bulgaria	35.6	13.4	1.1	0.4	4.3	0.9		1.2	0.1
Burkina Faso	77.9	85.7	1.5	1.0	3.3	12.9	1.5	3.0	0.1
Burundi	69.9	161.4	14.3	1.0	13.2	3.9	1.9	0.9	0.2
Cabo Verde	38.1	45.1	4.7	2.6		2.7	0.7		12.6
Cambodia	79.0		4.4	1.5		14.4	1.4	1.2	0.1
Cameroon	56.4	32.4	7.5	1.3	9.9	2.9	0.8	1.0	0.1
Canada	13.9	12.3	2.1	0.3		0.5	0.4		0.2
Central African Republic	51.2	34.7	9.1	4.0		7.0	1.7	1.4	0.2
Chad	78.1	39.9	7.4	3.0	5.3	8.5	1.7	1.5	0.1
Chile	22.8	43.5	0.6	0.2		0.6	0.3	1.4	0.3
China	11.3	11.5	0.8	0.5	7.3	0.8	0.5	0.8	0.2

TABLE 58.
EMISSIONS INTENSITY OF AGRICULTURAL COMMODITIES, 2022 (KG CO₂EQ PER KG) (CONTINUED)

COUNTRY	MEAT				MILK		EGGS	CEREALS	
	MEAT, CATTLE	MEAT, SHEEP	MEAT, PIG	MEAT, CHICKEN	MILK, WHOLE FRESH SHEEP	MILK, WHOLE FRESH COW	EGGS, HEN, IN SHELL	RICE, PADDY	CEREALS EXCLUDING RICE
Colombia	67.4	605.5	2.3	0.3		1.1	0.4	1.4	0.2
Comoros	40.2	52.4		2.3		1.3	1.2	26.0	0.1
Congo	78.0	55.8	12.2	1.4		1.3	2.0	4.3	0.4
Costa Rica	17.1	38.0	0.7	0.6		1.6	0.2	0.7	0.4
Côte d'Ivoire	78.0	53.3	6.2	5.1		17.2	0.4	0.4	0.2
Croatia	16.8	28.2	1.9	0.4	4.0	0.7			0.2
Cuba	85.0	22.4	1.0	4.0		2.0	0.5	2.2	0.1
Cyprus	9.9	23.2	1.6	0.6		0.2			0.4
Czechia	29.4	19.7	0.9	0.3		0.4			0.2
Democratic People's Republic of Korea	42.8	33.2	2.1	0.0		1.0	0.2	1.1	0.1
Democratic Republic of the Congo	84.9	64.8	6.1	6.0		1.9	1.9	0.9	0.2
Denmark	15.2	32.4	1.6	0.3		0.4	0.8		0.1
Djibouti	52.9	42.4				5.0			13.8
Dominica	21.5	62.4	1.5	1.3		2.5	0.5		0.1
Dominican Republic	74.7	56.8	1.6	2.1		1.5	0.4	1.4	0.3
Ecuador	25.4	12.8	0.6	1.2	5.4	1.0	0.3	1.7	0.2
Egypt	4.0	2.3	5.3	0.4	4.6	0.7	0.3	1.0	0.3
El Salvador	43.3	29.3	3.8	0.3		2.2	0.6	0.3	0.1
Equatorial Guinea	122.6	78.1	6.8	4.8			1.6		
Eritrea	68.0	66.9		2.2	8.1	10.4	1.5		0.2
Estonia	37.8	69.8	1.4	0.2		0.4	0.5		0.1
Eswatini	33.5	10.6	4.3	2.5		5.9	0.8	3.5	0.3
Ethiopia	167.7	61.8	2.7	2.6	10.3	3.8	1.2	1.4	0.1
Fiji	22.4	33.2	15.5	0.4		9.7	0.3	1.1	6.0
Finland	13.7	29.9	1.3	0.2		0.5	0.6		0.1
France	20.3	18.8	1.2	0.5	1.4	0.6		21.6	0.1
Gabon	42.1	52.8	10.4	2.6		1.3	1.5	3.0	0.9
Gambia	121.0	52.9	4.4	2.9		1.3	1.5	6.8	0.1
Georgia	25.3	9.3	1.1	0.9	18.0	1.4	0.4		0.2
Germany	14.4	14.2	1.0	0.4		0.5	0.5		0.1
Ghana	74.0	45.3	5.1	3.9		13.2	2.2	0.5	0.1
Greece	28.9	9.9	2.5	0.4	1.7	0.5		2.3	0.2
Grenada	51.0	23.4	1.6	1.2		2.8	0.3		0.2
Guatemala	26.8	60.5	9.6	0.3		3.2	0.4	0.6	0.3
Guinea	144.2	52.3	6.1	8.0	3.8	5.5	1.4	1.9	0.1
Guinea-Bissau	97.7	62.7	6.4	2.3	2.8	10.7	1.4	1.2	0.2
Guyana	52.4	47.0	1.4	2.0		1.7	1.1	1.2	7.6
Haiti	48.9	31.7	4.0	2.3		9.0	0.6	1.2	0.2
Honduras	65.8	33.0	6.2	0.6		1.7	0.5	0.7	0.4
Hungary	46.0	214.2	0.9	0.2	3.5	0.5		24.7	0.2
Iceland	21.7	12.6	0.9	0.0		0.7	0.4		2.8
India		54.9	4.6	0.3		1.0	0.4	0.7	0.2

TABLE 58.
EMISSIONS INTENSITY OF AGRICULTURAL COMMODITIES, 2022 (KG CO₂EQ PER KG) (CONTINUED)

COUNTRY	MEAT				MILK		EGGS	CEREALS	
	MEAT, CATTLE	MEAT, SHEEP	MEAT, PIG	MEAT, CHICKEN	MILK, WHOLE FRESH SHEEP	MILK, WHOLE FRESH COW	EGGS, HEN, IN SHELL	RICE, PADDY	CEREALS EXCLUDING RICE
Indonesia	59.5	37.5	5.5	2.8	7.6	1.7	0.3	1.3	0.1
Iran (Islamic Republic of)	9.5	34.3		1.7	6.5	0.6	0.3	1.8	0.2
Iraq	62.4	14.9		2.8	11.2	3.4	0.2	2.4	0.2
Ireland	16.2	17.6	1.0	0.3		0.7			0.1
Israel	3.6	1.5	2.4	0.3	2.5	0.1	0.3		0.3
Italy	11.4	19.3	1.7	0.3	2.9	0.6		2.6	0.2
Jamaica	41.9	30.9	4.0	0.4		1.1	0.4		0.4
Japan	10.5	23.3	0.8	0.3		0.3	0.3	0.9	0.2
Jordan	1.3	6.0		0.5	4.4	0.3	0.3		0.2
Kazakhstan	18.3	24.9	0.9	0.3	1.8	1.0	0.4	1.4	0.1
Kenya	83.0	90.2	5.2	1.7	6.5	2.0	1.2	0.4	0.2
Kiribati			5.9	1.9			2.0		
Kuwait	13.1	2.7		2.9	0.9	0.3	0.7		0.1
Kyrgyzstan	12.4	14.7	0.3	0.0		1.2	0.7	2.1	0.1
Lao People's Democratic Republic	92.0		7.6	4.6		15.6	0.8	0.7	0.1
Latvia	33.1	32.2	1.7	0.2		0.6			0.1
Lebanon	0.9	8.8	1.8	2.1	2.4	0.3	0.3		0.1
Lesotho	216.7	395.3	9.6	0.3		1.2	1.0		0.3
Liberia	40.1	62.4	4.9	2.0		1.4	1.1	0.4	
Libya	16.6	37.6		0.9	6.5	1.5	0.8		0.3
Lithuania	18.7	42.3	1.6	0.2		0.6			0.1
Luxembourg	26.7	53.8	1.1			0.5			0.2
Madagascar	259.4	127.6	11.0	3.0		5.9	1.3	1.6	0.1
Malawi	35.1	30.4	3.9	0.4	2.6	3.9	1.3	1.2	0.1
Malaysia	36.5	18.6	1.7	0.4		3.4	0.8	1.4	0.2
Maldives									1.2
Mali	208.3	155.9	22.0	3.2	16.9	11.9	2.5	0.6	0.1
Malta	17.0	3.5	2.3	0.5	1.8	0.8			
Marshall Islands									
Mauritania	56.9	43.9		3.0	5.9	4.9	1.8	1.3	0.2
Mauritius	0.3	20.4	6.1	1.1		2.4	0.6		25.3
Mexico	28.3	21.7	1.4	0.4	5.3	0.5	0.4	2.3	0.1
Micronesia (Federated States of)	122.7		15.0	2.1			2.3	3.4	0.0
Mongolia	47.7	26.6	13.1	2.9	15.5	5.6	0.5		0.1
Montenegro	26.7	53.8	1.1			0.5			0.2
Morocco	6.5	25.5	2.1	1.6	5.8	1.4	0.2	3.3	0.3
Mozambique	138.1	59.1	2.8	0.6		2.1	1.2	1.6	0.2
Myanmar	137.8	35.6	4.3	0.5	8.7	4.4	0.9	1.2	0.1
Namibia	115.8	39.7	2.6	1.2		3.9	1.8		0.3
Nauru			16.8	0.0			0.3		
Nepal		32.3	4.9	1.0	3.6	2.1	0.8	0.8	0.1
Netherlands (Kingdom of the)	10.3	13.3	1.4	0.2		0.5			0.1

TABLE 58.
EMISSIONS INTENSITY OF AGRICULTURAL COMMODITIES, 2022 (KG CO₂EQ PER KG) (CONTINUED)

COUNTRY	MEAT				MILK		EGGS	CEREALS	
	MEAT, CATTLE	MEAT, SHEEP	MEAT, PIG	MEAT, CHICKEN	MILK, WHOLE FRESH SHEEP	MILK, WHOLE FRESH COW	EGGS, HEN, IN SHELL	RICE, PADDY	CEREALS EXCLUDING RICE
New Zealand	15.7	18.8	2.2	0.3		0.8	0.3		0.2
Nicaragua	57.1	56.3	5.6	0.5		1.4	0.7	0.2	0.4
Niger	289.5	110.4	5.2	3.4	5.8	5.7	2.1	0.7	0.1
Nigeria	67.9	69.0	4.4	1.5		7.3	1.0	1.6	0.1
North Macedonia	30.5	13.6	3.0	0.8	3.5	1.2	1.4	1.7	0.2
Norway	15.0	28.7	1.3	0.4		0.6	0.6		0.2
Oman	24.5	1.0		2.0	4.2	1.1	0.3		0.2
Pakistan	24.3	25.4		3.0	4.0	1.3	0.6	1.1	0.3
Palau									
Panama	33.1		1.6	0.4		1.9	0.4	0.2	0.5
Papua New Guinea	64.5	45.0	10.5	1.5		36.5	1.6	20.5	5.5
Paraguay	47.2	35.2	2.4	0.8		0.9	0.4	0.8	0.1
Peru	46.7	66.8	2.4	0.3		1.0	0.3	0.8	0.4
Philippines	35.8	52.9	1.5	0.1		0.5	1.0	2.2	0.2
Poland	16.4	67.9	0.8	0.2		0.4			0.2
Portugal	27.5	41.1	1.8	0.4	1.0	0.5	0.5	2.5	0.3
Qatar	49.4	21.1		4.5	4.0	1.3	0.4		2.0
Republic of Korea	19.6	49.4	0.8	0.4		0.2	0.5	0.9	0.5
Republic of Moldova	10.1	-9.6	1.0	2.9	9.0	1.2	1.2		0.2
Romania	18.4	12.6	1.4	0.3	6.0	1.0		20.9	0.2
Russian Federation	14.1	24.8	0.9	0.2	203.5	0.6	0.8	3.1	0.1
Rwanda	34.5	18.7	19.5	0.6	2.6	3.4	1.0	0.5	0.2
Saint Kitts and Nevis	62.9	246.0	10.6	0.8			1.0		
Saint Lucia	43.7	18.5	1.3	1.1		1.7	0.4		
Saint Vincent and the Grenadines	20.1	33.3	2.0	1.7		1.7	0.4		0.1
Samoa	61.2		27.3	3.4		3.7	0.8		
San Marino									
Sao Tome and Principe	5.6	194.2	14.1	1.4		1.3	2.0		0.7
Saudi Arabia	18.5	31.7		0.6	6.9	0.1	0.5	3.0	0.5
Senegal	38.5	34.5	4.7	2.2	12.2	6.5	1.6	0.6	0.1
Serbia	11.1	17.6	1.9	0.2	1.8	1.1	0.9		0.2
Seychelles	23.8		1.7	0.3		2.9	0.5		
Sierra Leone	50.1	100.4	26.7	4.4		1.3	2.5	0.9	0.1
Singapore	7.5			0.0			0.4		
Slovakia	58.5	193.4	1.0			0.4			0.2
Slovenia	20.6	25.0	1.7	0.2	1.9	0.6			0.2
Solomon Islands	36.8		8.8	1.3		2.8	1.1	3.2	
Somalia	75.8	24.4	6.3	3.0	3.0	4.5	1.8	2.1	0.2
South Africa	13.3	29.0	0.6	0.3		0.5	0.4	64.6	0.2
South Sudan	54.6	92.2		1.9	9.4	4.6		3.1	0.1
Spain	15.8	30.8	1.7	0.4	1.2	0.5		3.6	0.2
Sri Lanka	32.9	22.5	11.2	0.3		1.6	0.3	1.1	0.7

TABLE 58.
EMISSIONS INTENSITY OF AGRICULTURAL COMMODITIES, 2022 (KG CO₂EQ PER KG) (CONTINUED)

COUNTRY	MEAT				MILK		EGGS	CEREALS	
	MEAT, CATTLE	MEAT, SHEEP	MEAT, PIG	MEAT, CHICKEN	MILK, WHOLE FRESH SHEEP	MILK, WHOLE FRESH COW	EGGS, HEN, IN SHELL	RICE, PADDY	CEREALS EXCLUDING RICE
Sudan	73.1	13.5		1.9	11.3	4.8	0.8	3.1	0.1
Suriname	34.4	108.8	2.4	1.5		0.8	1.3	1.6	651.6
Sweden	16.0	20.0	1.2	0.5		0.5			0.2
Switzerland	14.0	20.5	1.3	0.3	0.7	0.6	0.5		0.1
Syrian Arab Republic	9.3	6.4		0.2	3.4	0.7	0.6		0.1
Tajikistan	8.4	10.2	2.0	1.8		2.6	0.4	1.5	0.2
Thailand	51.7	54.3	1.8	0.4		0.6	0.7	1.5	0.1
Timor-Leste	283.0	115.2	6.9	3.6			0.5	2.0	0.1
Togo	61.8	72.6	11.2	4.1		10.0	1.0	0.3	0.1
Tonga	73.7		19.3	3.2		2.3	2.4		
Trinidad and Tobago	42.6	46.8	2.5	2.8		11.8	1.5	3.5	0.1
Tunisia	4.0	20.0	7.2	1.9	2.6	0.5	1.5		0.2
Türkiye	7.8	9.4		0.4	4.0	0.7	0.5	0.9	0.2
Turkmenistan	13.5	22.6	3.8	1.4		1.1	0.5	8.2	0.8
Tuvalu			47.5	2.4			1.6		
Uganda	69.0	76.1	3.4	1.6		4.0	1.0	0.7	0.1
Ukraine	8.7	17.1	1.3	0.3	6.3	0.6	1.7	283.5	0.1
United Arab Emirates	4.1	75.8		1.6	3.5	1.5	0.5		1.6
United Kingdom of Great Britain and Northern Ireland	16.8	34.0	1.1	0.2		0.5	0.9		0.1
United Republic of Tanzania	54.5	38.7	2.0	0.4		4.0	0.8	1.5	0.2
United States of America	11.7	20.6	2.0	0.2		0.5	0.4	1.3	0.2
Uruguay	32.3	51.1	1.7	0.0		0.7	0.3	1.0	0.3
Uzbekistan	15.8	25.7	1.1	1.1		0.8	0.4	3.5	0.3
Vanuatu	107.2		11.0	1.7		16.6	1.1		0.2
Venezuela (Bolivarian Republic of)	63.3	34.0	4.1	1.0		2.5	0.4	2.4	0.2
Viet Nam	37.5		1.5	1.1		0.8	1.0	1.0	0.2
Yemen	23.3	27.1		1.2	5.9	3.2	0.8		0.1
Zambia	26.7	53.8	1.1			0.5			0.2
Zimbabwe	7.3	19.9	3.7	0.4		4.0	1.2	4.8	0.2

Source: FAO. 2024. FAOSTAT: Emissions intensities. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/EI>.

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TABLE 59.
TEMPERATURE CHANGE MEASURED OVER LAND (DEGREE CELSIUS)

COUNTRY	2000	2005	2010	2015	2019	2020	2021	2022	2023
World	0.73	1.10	1.22	1.41	1.44	1.68	1.47	1.37	1.77
Africa	0.46	1.08	1.50	1.19	1.30	1.20	1.40	1.00	1.49
Americas	0.73	1.04	1.31	1.35	1.23	1.30	1.56	1.08	1.77
Asia	0.71	0.90	1.28	1.31	1.39	1.51	1.54	1.72	1.78
Europe	1.33	1.52	0.79	2.09	2.08	3.33	1.58	2.22	2.44
Oceania	0.12	1.08	0.63	0.94	1.31	1.32	0.63	0.75	0.87
Afghanistan	1.06	0.51	1.66	1.20	0.99	0.59	1.48	2.15	1.96
Albania	1.08	0.22	1.26	1.67	1.75	1.57	1.59	1.59	2.12
Algeria	0.86	1.29	2.28	1.15	1.11	1.91	2.36	1.78	2.27
Andorra	1.04	0.87	0.46	1.63	1.88	2.48	1.45	3.16	2.79
Angola	0.21	1.09	1.17	1.33	1.79	1.11	1.40	1.14	1.18
Antigua and Barbuda	0.50	1.01	1.29	1.00	0.88	1.18	0.88	0.79	1.12
Argentina	-0.25	0.20	0.05	0.93	0.75	1.10	1.01	0.63	1.52
Armenia	1.10	0.55	2.77	1.90	1.86	1.95	2.18	1.85	2.26
Australia	0.08	1.13	0.59	1.00	1.35	1.34	0.57	0.68	0.86
Austria	1.77	0.64	0.67	2.18	2.38	2.32	1.41	2.54	2.57
Azerbaijan	1.09	0.88	2.33	1.59	1.88	1.89	1.96	2.03	2.16
Bahamas	0.27	0.48	0.38	1.27	1.60	1.72	0.71	1.30	1.69
Bahrain	1.16	1.10	2.22	2.24	2.13	1.99	2.42	1.97	2.26
Bangladesh	0.37	0.78	0.89	0.80	1.15	0.93	1.33	1.24	1.64
Barbados	0.36	1.19	1.19	0.92	1.01	0.84	0.86	0.65	
Belarus	1.93	1.27	1.44	2.21	2.67	3.49	1.70	1.89	2.71
Belgium	1.48	1.20	0.24	1.36	2.06	2.54	1.18	2.78	2.41
Belize	0.11	0.78	0.73	1.21	1.44	1.58	1.20	0.98	1.81
Benin	0.49	1.18	1.28	1.19	1.26	1.15	1.61	0.97	1.47
Bhutan	0.08	0.72	1.16	0.91	1.14	1.04	1.65	1.46	1.75
Bolivia (Plurinational State of)	0.35	0.79	0.79	1.45	0.99	1.28	0.73	0.67	2.20
Bosnia and Herzegovina	1.57	0.19	1.03	1.89	2.04	1.93	1.64	2.15	2.55
Botswana	-0.37	1.35	1.40	1.94	1.99	0.92	0.04	-0.70	0.73
Brazil	0.54	1.16	1.13	1.61	1.54	1.45	1.15	1.00	1.65
Brunei Darussalam	0.29	0.75	0.74	0.93	1.22	1.22	0.97	1.05	1.15
Bulgaria	1.17	0.19	1.33	1.34	1.99	1.94	1.51	1.79	2.61
Burkina Faso	0.54	1.46	1.29	1.17	1.14	1.13	1.71	0.88	1.56
Burundi									
Cabo Verde	1.15	0.63	2.08	0.55	1.09		1.12	1.21	2.17
Cambodia	0.19	0.68	1.15	1.04	1.37	1.28	0.79	0.89	1.26
Cameroon	0.39	1.05	1.22	1.05	1.29	1.08	1.20	0.84	1.09
Canada	1.30	1.30	2.93	1.28	1.33	1.16	2.52	1.28	2.37
Central African Republic	0.60	0.98	1.02	0.95	1.26	1.03	1.14	0.95	1.02
Chad	0.40	1.23	1.33	1.11	1.04	0.85	1.09	0.49	1.38
Chile	-0.38	0.04	-0.23	0.62	0.45	0.71	0.64	0.17	0.85
China	0.60	1.07	0.98	1.30	1.41	1.58	1.66	1.85	1.84

TABLE 59.
TEMPERATURE CHANGE MEASURED OVER LAND (DEGREE CELSIUS) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2019	2020	2021	2022	2023
Colombia	0.00	0.74	1.03	1.28	1.28	1.34	0.82	0.67	1.27
Comoros	0.13	0.43	0.93	0.77	1.34	1.07	0.69	0.56	1.33
Congo	0.36	0.81	1.21	1.10	1.41	1.51	1.28	1.20	1.37
Costa Rica	0.18	0.75	1.04						
Côte d'Ivoire	0.53	1.17	1.37	1.37	1.44	1.50	1.60	1.33	1.82
Croatia	1.64	0.31	0.88	1.94	2.12	2.03	1.62	2.29	2.58
Cuba	0.46	0.63	0.73	1.43	1.63	1.75	1.34	1.50	1.94
Cyprus	0.68	0.40	2.05	1.13	1.50	1.63	1.95	1.18	1.87
Czechia	1.91	0.75	0.41	2.11	2.52	2.32	1.28	2.36	2.48
Democratic People's Republic of Korea	0.57	0.83	0.38	1.28	1.89	1.89	1.87	1.58	2.03
Democratic Republic of the Congo	0.44	1.00	1.27	1.08	1.56	1.68	1.56	1.38	1.33
Denmark	1.71	1.27	-0.20	1.51	2.17	2.63	1.69	2.23	1.88
Djibouti	0.70	1.09	0.96	1.62	1.23	1.33	0.97	1.44	0.65
Dominica	0.50	1.00	1.30	1.00	0.88	1.18	0.88	0.79	1.12
Dominican Republic	0.55	0.88	1.01	1.30	1.46	1.64	0.95	0.90	1.54
Ecuador	0.29	0.77	0.91	1.39	1.36	1.34	0.78	0.58	1.56
Egypt	-0.02	0.44	2.24	1.12	0.94	1.02	1.64	0.57	2.01
El Salvador	0.43	0.64	0.57	1.38	1.16	1.64	1.22	0.93	1.65
Equatorial Guinea	0.36	0.78	1.09	0.88	1.37	1.28	1.01	0.98	1.01
Eritrea	0.40	0.70	1.53	1.59	0.54		0.96	0.09	
Estonia	2.05	1.58	0.53	2.35	2.19	3.60	2.14	1.97	2.18
Eswatini	-0.23	0.97	0.92	0.90	1.59	0.56	0.40	1.08	0.75
Ethiopia	0.51	1.13	1.27	1.46	1.06	1.05	1.21	1.17	1.20
Fiji	0.55	0.50	0.70	0.57	0.85	1.03	0.86	1.08	0.77
Finland	2.03	2.21	0.24	2.61	1.45	3.32	1.94	2.06	1.89
France	1.17	1.02	0.39	1.59	1.97	2.49	1.28	2.88	2.59
Gabon	0.30	0.72	1.08	1.00	1.43	1.27	0.94	0.85	1.24
Gambia	1.00	1.60	1.42	1.29	1.49	1.92	1.83	1.48	1.81
Georgia	0.96	0.54	2.46	1.76	1.78	2.03	1.76	1.63	2.11
Germany	1.77	1.03	0.20	1.67	2.32	2.51	1.32	2.59	2.44
Ghana	0.50	1.10	1.39	1.22	1.40	1.40	1.64	1.14	1.52
Greece	0.70	0.24	1.57	0.87	1.31	1.24	1.59	1.01	1.84
Grenada	0.52	1.15	1.15	0.82	1.09	1.29	0.84	0.60	1.16
Guatemala	0.42	0.89	0.69	1.17	1.39	1.68	1.40	0.94	1.59
Guinea	0.67	1.20	1.37	1.32	1.56	1.58	1.89	1.49	1.78
Guinea-Bissau	1.01	1.46	1.43	1.31	1.58	1.85	1.85	1.49	1.78
Guyana	0.54	1.28	1.17	1.22	0.93	1.16	0.63	0.78	1.51
Haiti	0.78	1.02	1.07	1.43	1.69	1.61	0.95	1.20	1.66
Honduras	0.22	1.03	0.84	1.22	1.29	1.79	1.23	0.95	1.73
Hungary	1.77	0.26	0.82	2.06	2.33	1.96	1.41	2.10	2.53
Iceland	0.19	0.36	1.05	0.25	1.18	0.63	0.80	1.11	0.45
India	0.36	0.61	1.16	0.71	0.81	0.53	0.73	0.78	0.89

TABLE 59.
TEMPERATURE CHANGE MEASURED OVER LAND (DEGREE CELSIUS) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2019	2020	2021	2022	2023
Indonesia	0.27	0.71	0.77	0.76	1.03	1.19	0.99	0.96	1.08
Iran (Islamic Republic of)	1.24	0.85	2.25	1.88	1.59	1.34	2.16	2.37	2.24
Iraq	0.99	0.52	2.68	1.92	1.62	1.85	2.66	2.17	2.06
Ireland	0.55	1.15	-0.13	0.45	1.18	1.05	0.99	1.73	1.61
Israel	0.30	0.27	2.40	1.43	1.34	1.61	1.96	1.28	2.08
Italy	1.20	0.53	0.73	1.70	1.70	1.89	1.58	2.16	2.27
Jamaica	0.35	0.98	1.14	1.34	1.69	1.81	1.47	1.36	1.83
Japan	0.62	0.72	0.91	0.82	1.25	1.42	1.25	1.32	1.85
Jordan	0.39	0.19	2.66	1.56	1.43	1.77	2.08	1.51	2.01
Kazakhstan	1.50	1.56	1.28	1.57	1.45	2.80	1.41	2.67	2.58
Kenya	0.48	0.78	1.07	1.07	1.48	1.19	1.28	1.16	1.40
Kiribati	0.17		0.36	0.95	1.00	1.47			
Kuwait	1.24	0.65	2.52	2.08	1.83	1.91	2.61	2.20	2.00
Kyrgyzstan	1.07	1.17	1.33	1.41	1.60	1.28	1.30	2.49	1.96
Lao People's Democratic Republic	0.02	0.89	1.35	1.28	2.01	1.55	1.08	0.90	1.49
Latvia	2.01	1.35	0.68	2.14	2.44	3.53	1.97	1.95	2.33
Lebanon	0.59	0.36	2.39	1.43	1.49	1.73	2.16	1.41	2.07
Lesotho	0.31	1.06	1.09	1.07	1.54	0.59	0.78	0.86	0.73
Liberia	0.57	1.10	1.42	1.29	1.39	1.52	1.44	1.49	1.45
Libya	0.26	0.77	2.06	0.74	0.88	1.04	1.87	0.55	1.47
Lithuania	2.01	1.20	0.73	2.07	2.62	3.43	1.78	1.95	2.49
Luxembourg	1.64	1.13	0.32	1.51	2.12	2.60	1.13	2.89	2.56
Madagascar	0.42	0.46	1.03	1.00	1.33	1.06	1.13	0.81	1.28
Malawi	0.77	1.38	1.09	1.04	1.43	1.57	0.89	0.85	1.20
Malaysia	0.31	0.76	0.88	1.05	1.32	1.28	1.11	1.01	1.14
Maldives	0.34	0.94	0.80	0.90	0.99	1.00	0.92	0.56	0.84
Mali	0.66	1.43	1.70	1.15	1.21	1.20	1.87	1.05	1.72
Malta	1.03	0.61	1.05	1.49	1.14	1.47	1.93	1.74	2.07
Marshall Islands	-0.21	0.34	0.40	0.52	0.62	0.73	0.44	0.06	0.51
Mauritania	1.02	1.23	1.85	1.29	1.40	1.86	1.80	1.67	2.03
Mauritius	0.12	0.45	0.97	1.18	1.43	1.28	1.17	0.82	1.69
Mexico	0.54	0.74	0.23	1.03	1.26	1.62	1.06	1.14	1.68
Micronesia (Federated States of)	-0.06	0.17	0.48	0.54	0.67	0.73	0.47	0.39	0.73
Mongolia	1.01	0.96	0.35	2.16	1.87	2.38	2.03	2.24	2.22
Montenegro			1.27	1.81	1.89	1.77	1.65	1.89	2.43
Morocco	1.05	1.28	2.13	1.22	1.52	2.15	1.82	2.30	2.56
Mozambique	0.36	0.99	0.88	0.80	1.11	0.89	0.54	0.66	0.96
Myanmar	0.19	0.90	1.17	1.16	1.65	1.55	1.55	1.32	1.72
Namibia	-0.11	0.79	1.33	1.16	2.27	0.84	0.13	0.36	0.95
Nauru									
Nepal	0.11	0.73	1.20	0.67	0.70	0.06	0.43	0.96	1.26
Netherlands (Kingdom of the)	1.60	1.26	0.11	1.29	2.14	2.48	1.31	2.59	2.33

TABLE 59.
TEMPERATURE CHANGE MEASURED OVER LAND (DEGREE CELSIUS) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2019	2020	2021	2022	2023
New Zealand	0.29	0.46	0.63	0.59	1.12	0.92	0.99	1.34	1.13
Nicaragua	0.26	0.83	0.94	1.18	1.31	1.68	1.16	1.01	1.73
Niger	0.80	1.27	1.72	1.01	1.11	0.95	1.62	0.60	1.67
Nigeria	0.60	1.24	1.50	1.19	1.16	1.05	1.53	0.82	1.42
North Macedonia	1.10	0.18	1.40	1.51	1.87	1.52	1.58	1.46	2.24
Norway	1.43	1.76	-0.34	1.78	1.21	2.39	1.50	1.92	1.22
Oman	0.60	0.84	1.23	1.35	1.09	0.76	1.54	1.23	1.38
Pakistan	0.81	0.38	1.45	0.74	0.77	0.62	1.34	1.62	1.36
Palau	0.39	0.59	0.80	1.08			1.34	1.55	1.83
Panama	0.20	0.79	0.96	1.20	1.28	1.30	0.98	0.48	1.08
Papua New Guinea	0.54	0.81	1.17	0.20	0.85	1.22	1.36	1.38	0.91
Paraguay	0.22	0.62	0.42	1.62	1.43	1.48	0.83	0.80	2.03
Peru	0.32	0.80	1.02	1.27	1.10	1.32	0.88	0.55	1.70
Philippines	0.67	0.78	1.07	1.11	1.32	1.47	1.33	1.31	1.51
Poland	1.88	0.87	0.39	1.99	2.63	2.66	1.45	2.04	2.48
Portugal	0.60	0.92	1.06	1.35	1.25	1.95	1.20	2.26	2.56
Qatar	0.94	0.84	1.99	1.97	1.86	1.75	2.18	1.87	2.07
Republic of Korea	0.45	0.95	0.54	0.97	1.52	1.50	1.69	1.55	1.65
Republic of Moldova	1.40	0.81	1.20	1.82	2.20	2.85	1.15	1.96	2.90
Romania	1.32	0.27	1.12	1.70	2.14	2.12	1.32	1.83	2.62
Russian Federation	1.30	1.68	0.85	2.22	2.16	3.67	1.63	2.25	2.53
Rwanda									
Saint Kitts and Nevis	0.50	1.01	1.29	1.00	0.88	1.18	0.88	0.79	1.12
Saint Lucia	0.47	1.12	1.21	0.91	1.01	1.19	0.86	0.67	1.11
Saint Vincent and the Grenadines	0.52	1.15	1.15	0.82	1.08	1.28	0.84	0.59	1.16
Samoa	0.53	0.82	1.10	0.60	1.13	1.02	0.86	0.85	0.87
San Marino	1.35	0.42	0.70	1.79	1.80	1.96	1.52	2.12	2.41
Sao Tome and Principe	0.48	0.71	1.23	0.91	1.31	1.52	1.29	1.21	1.25
Saudi Arabia	0.75	0.51	2.13	1.88	1.69	1.47	2.23	1.78	1.84
Senegal	0.92	1.43	1.53	1.34	1.56	1.83	1.95	1.57	2.07
Serbia			1.23	1.76	2.08	1.80	1.57	1.91	2.54
Seychelles	0.27	0.40	0.74	0.79	1.12	1.17	0.63	0.47	0.90
Sierra Leone		1.10	1.31	1.13	1.51	1.62	1.72	1.38	1.11
Singapore		0.65	0.60	1.60	1.63	1.41	1.51	1.35	1.79
Slovakia	1.63	0.39	0.67	2.08	2.38	1.98	1.24	1.97	2.40
Slovenia	1.80	0.50	0.80	2.15	2.36	2.25	1.57	2.53	2.62
Solomon Islands	0.50	0.55	0.50	0.40	0.56	0.77	0.73	0.90	0.91
Somalia	0.40	1.04	1.06	1.54	1.49	1.69	1.56	1.41	1.38
South Africa	0.29	1.13	1.19	1.30	1.93	0.96	0.82	1.10	1.12
South Sudan				1.14	0.95	0.54	1.05	0.81	1.35
Spain	0.79	0.86	0.89	1.50	1.49	2.04	1.37	2.43	2.57
Sri Lanka	0.60	0.88	1.08	0.95	1.22	1.27	0.98	0.94	1.10

TABLE 59.
TEMPERATURE CHANGE MEASURED OVER LAND (DEGREE CELSIUS) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2019	2020	2021	2022	2023
Sudan				1.45	0.81	0.40	1.16	0.68	1.62
Suriname	0.69	1.29	1.35	1.10	1.34	1.49	1.08	1.10	1.52
Sweden	1.73	1.82	-0.28	2.07	1.57	2.95	1.85	2.14	1.48
Switzerland	1.43	0.82	0.47	1.98	2.10	2.52	1.20	2.86	2.74
Syrian Arab Republic	0.70	0.29	2.49	1.33	1.61	1.93	2.33	1.64	2.09
Tajikistan	0.88	0.67	1.20	1.15	1.18	0.85	0.86	1.94	1.71
Thailand	0.04	0.86	1.29	1.20	1.71	1.48	1.01	0.94	1.45
Timor-Leste		1.05	0.84	0.53	0.44	1.35	0.69	0.60	0.22
Togo	0.55	1.02	1.27	1.17	1.33	1.22	1.62	1.03	1.45
Tonga	0.21	0.60	0.70	0.55	1.06	0.95	0.61	0.52	0.85
Trinidad and Tobago	0.49	1.17	1.24	0.85	1.11	1.31	0.87	0.62	1.19
Tunisia	1.03	1.12	1.85	1.27	1.41	2.08	2.50	2.17	2.40
Türkiye	0.54	0.44	2.38	0.78	1.68	1.88	1.92	1.29	2.06
Türkmenistan	1.28	1.29	1.91	1.42	1.79	1.50	1.64	2.51	2.38
Tuvalu	0.50	0.80	0.91	0.78	1.06	1.18	0.67	0.65	1.18
Uganda	0.29	1.30	1.42	1.09	1.50	1.11	1.37	1.30	1.39
Ukraine	1.41	1.01	1.61	2.02	2.31	2.96	1.38	1.87	2.79
United Arab Emirates	0.80	0.74	1.63	1.70	1.41	1.41	1.90	1.68	1.76
United Kingdom of Great Britain and Northern Ireland	0.71	1.11	-0.07	0.61	1.23	1.37	0.93	1.91	1.48
United Republic of Tanzania	0.42	0.94	0.90	1.02	1.38	1.07	1.12	0.90	1.25
United States of America	1.00	1.15	0.70	1.53	1.04	1.33	1.15	1.22	1.21
Uruguay	0.36	0.80	0.29	1.11	0.83	0.89	0.90	0.53	1.53
Uzbekistan	1.36	1.35	1.75	1.34	1.85	1.63	1.45	2.52	2.33
Vanuatu	0.64	0.48	0.82	0.51	0.67	1.02	0.94	1.29	0.89
Venezuela (Bolivarian Republic of)	0.22	0.92	1.13	1.16	1.20	1.33	0.72	0.64	1.18
Viet Nam	0.12	0.82	1.11	1.18	1.73	1.42	1.03	0.95	1.33
Yemen									
Zambia	0.12	1.15	1.45	2.06	1.35	1.39	1.27	1.06	1.27
Zimbabwe	-0.21	1.15	0.94	0.94	1.20	0.58	0.11	-0.25	0.61

Source: FAO. 2024. FAOSTAT: Temperature change on land. [Accessed on 15 November 2024]. <https://www.fao.org/faostat/en/#data/ET>.
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NOTES

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STATISTICAL YEARBOOK

WORLD FOOD AND AGRICULTURE 2024

This publication, prepared by the FAO Statistics Division, offers a synthesis of the major factors at play in the global food and agricultural landscape. Statistics are presented in four thematic chapters, covering the economic importance of agricultural activities, inputs, outputs and factors of production, their implications for food security and nutrition and their impacts on the environment. The Yearbook is meant to constitute a primary tool for policymakers, researchers and analysts, as well as the general public interested in the past, present and future path of food and agriculture.

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