



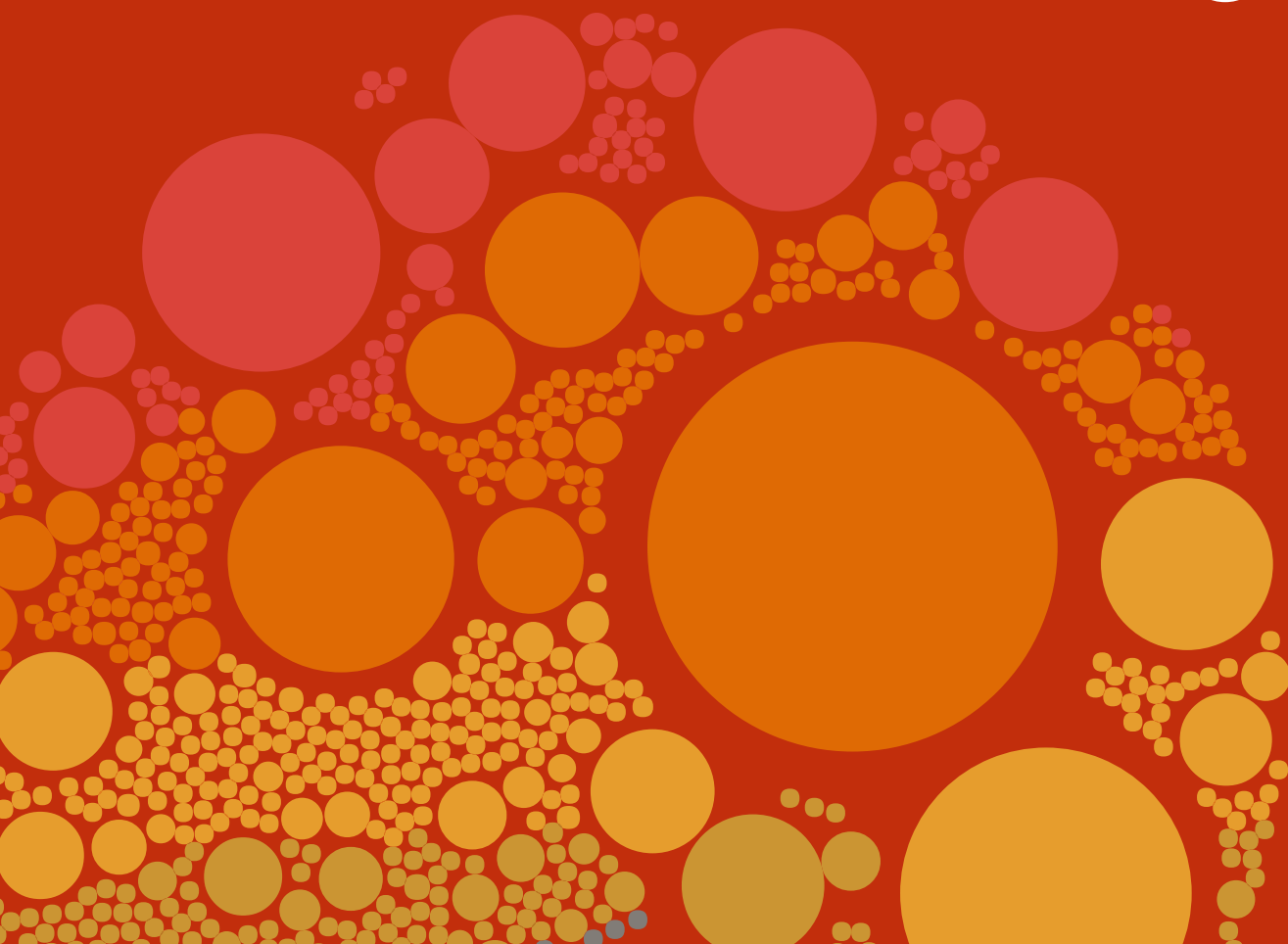
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STATISTICAL YEARBOOK

WORLD FOOD AND AGRICULTURE
2022



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FAO
STATISTICS

AND **WORLD FOOD AGRICULTURE**

STATISTICAL YEARBOOK

2022

Food and Agriculture Organization of the United Nations
Rome, 2022

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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. Furthermore, recent events like the COVID-19 pandemic and the war in Ukraine have emphasized the pressing need for data and statistics to inform timely responses and monitor trends.

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 of these data are summarized in this Statistical Yearbook.

The Statistical Yearbook was revamped in 2020 on the occasion of FAO's 75th anniversary, underscoring the importance that FAO assigns to data and statistics as a global public good at the core of our efforts to advance sustainable development. It is now a primary tool and indispensable reference for policymakers, researchers and analysts, as well as laypersons interested in the past, present and future paths of food and agriculture. This year, special focus is given to data on agrifood systems and data made more relevant by the war in Ukraine.

Drawing on the wealth of information that FAO statisticians produce across the Organization, this publication, prepared by the 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; implications for food security and nutrition; and agriculture's impacts on the environment.

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
Director, Statistics Division

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HOW TO USE THIS YEARBOOK

THE STRUCTURE

The Statistical Yearbook 2022 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 sector as a whole 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 country names have been abbreviated in the data tables and figures. The official Food and Agriculture Organization of the United Nations (FAO) names can be found at <http://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 Part 3 is based on the aggregation rules defined in *The State of Food Security and Nutrition in the World 2022* report, which can be found at <https://doi.org/10.4060/cc0639en>.

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, and 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 6 October 2022.

- 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, 2018–2020* means that the most recent value for the period from 2018 to 2020 is shown.
- A billion is 1 000 million.
- A trillion is 1 000 billion.
- In data 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 to zero at the displayed number of decimal places.
 - <2.5 means a proportion less than 2.5 percent.
 - <0.1 means less than 100 000 people.

CHAPTER 1

KEY FACTS

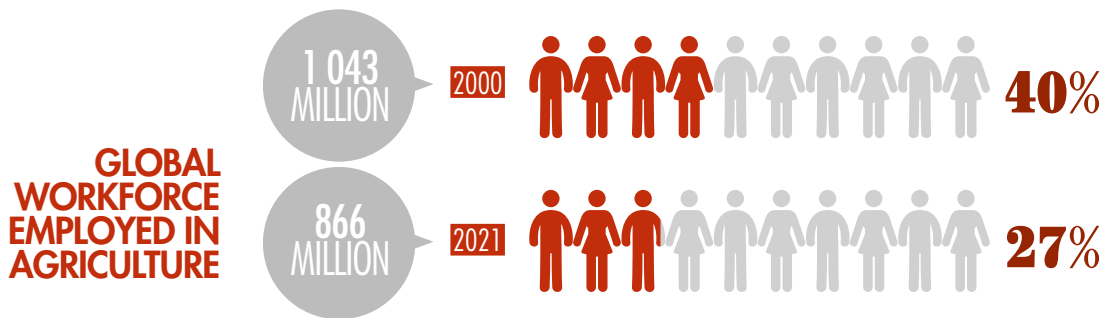


Agriculture value added went up 78% between 2000 and 2020, to around USD 3.6 trillion.

SHARE OF AGRICULTURE IN GLOBAL GDP

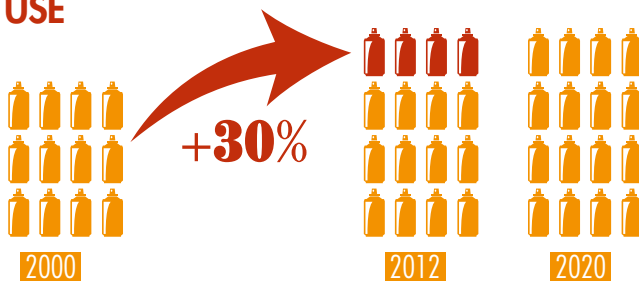


The share of agriculture in global GDP has been stable at around 4% since 2000.



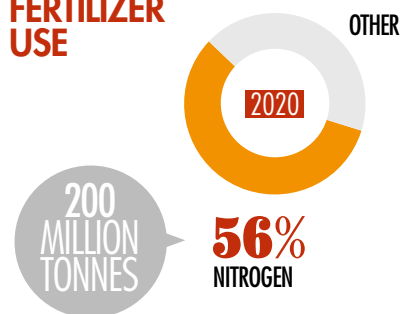
Agriculture employed 866 million people in 2021, or 27% of the global workforce, compared with 1 043 million (or 40%) in 2000.

PESTICIDE USE



Pesticide use went up 30% between 2000 and 2020, but has plateaued since 2012.

FERTILIZER USE



Agricultural use of inorganic fertilizers in 2020 was just above 200 million tonnes of nutrients, of which 56% was nitrogen.

1 ECONOMIC DIMENSIONS OF AGRICULTURE

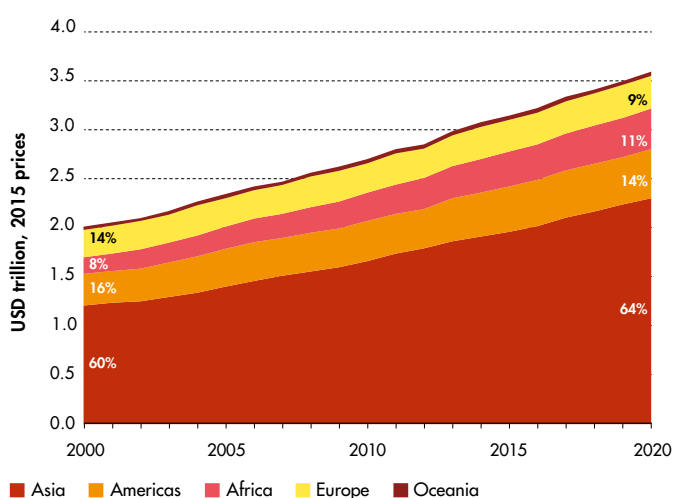
CONTRIBUTION OF AGRICULTURE, FORESTRY AND FISHING TO THE ECONOMY

The global value added generated by agriculture, forestry and fishing^a grew by 78 percent in real terms between 2000 and 2020, reaching USD 3.6 trillion in 2020 (see **FIGURE 1**). This represents an increase of USD 1.6 trillion compared with 2000. In Africa, the value added more than doubled over the period (+147 percent), increasing from USD 167 billion to USD 413 billion. Given its size, Asia was the main contributor to global agriculture, forestry and fishing value added with

64 percent of the world total in 2020: the continent shows an increase of 91 percent, from USD 1.2 trillion in 2000 to USD 2.3 trillion in 2020. In the Americas, the increase reached 56 percent in the 2000–2020 period, while Europe and Oceania increased their agricultural value added by just 19 and 18 percent. In the context of the COVID-19 pandemic, the value added of agriculture increased in 2020 for the world as a whole and all the regions except Europe. The countries with the largest agriculture, forestry and fishing sector in terms of value added in 2020 are China, India and the United

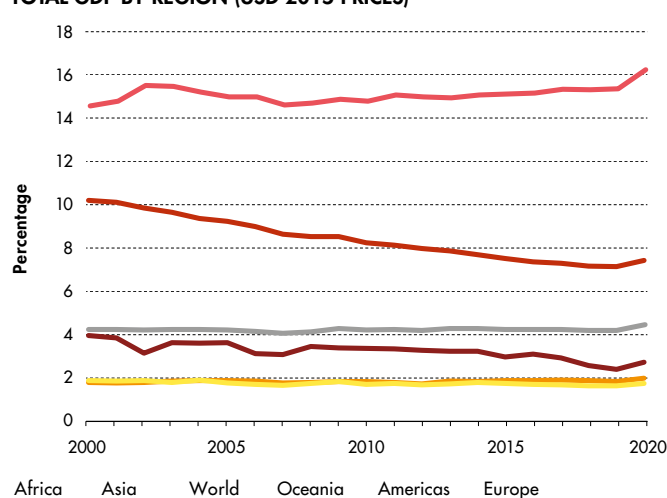
States of America (see **TABLE 1**). Until 2019, the global contribution of agriculture to gross domestic product (GDP) declined, which is expected to accompany the growth of total GDP. Due to the pandemic and the various restrictions put in place to contain it in 2020, the value added of the industry 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**). The share of value added from agriculture, forestry and fishing fell between 2000 and 2019 in all

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



Note: Percentages on the figure indicate the shares in the total; they may not tally due to rounding.
Source: FAO. 2022. FAOSTAT: Macro Indicators. In: FAO. Rome. Cited October 2022.
<http://www.fao.org/faostat/en/#data/MK>
<https://doi.org/10.4060/cc2211en-fig01>

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



Source: FAO. 2022. FAOSTAT: Macro Indicators. In: FAO. Rome. Cited October 2022.
<http://www.fao.org/faostat/en/#data/MK>
<https://doi.org/10.4060/cc2211en-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.

regions except Africa and the Americas, then increased between 2019 and 2020: from 1.8 percent in 2000 to 1.6 percent in 2019 and 1.7 percent in 2020 in Europe, from 10.1 percent to 7.1 percent and 7.4 percent in Asia, and from 3.9 percent to 2.4 percent and 2.7 percent in Oceania. It remained virtually unchanged in the Americas at around 1.8 percent between 2000 and 2019 and reached 1.9 percent in 2020. It rose in Africa from 14.5 percent in 2000 to 15.3 percent in 2019 and 16.2 percent in 2020. This increase, which is seldom observed, is due to a higher contribution of agriculture to GDP, largely related to the COVID-19 pandemic, in a number of countries – Algeria, Angola, Benin, Chad,

the Comoros, the Congo, Eritrea, Gabon, Guinea, Mali, Morocco, the Niger, Nigeria, Sierra Leone, Somalia, Togo and Tunisia. These countries accounted for about half the total value added from agriculture, forestry and fishing in Africa in 2020 (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 2020, the global agricultural land area was 4.74 billion

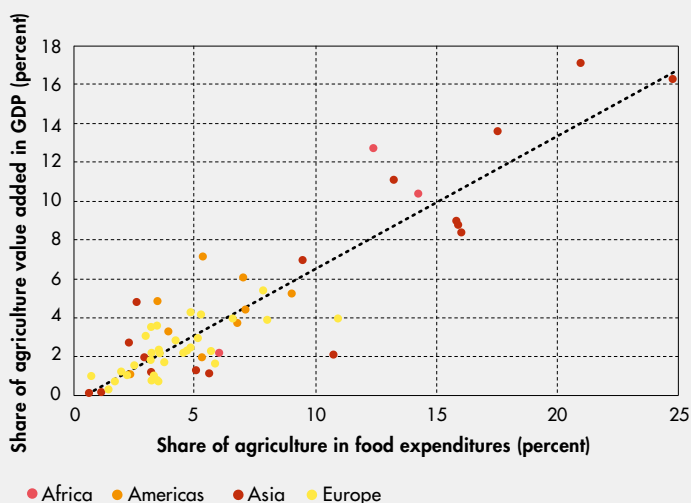
hectares (ha), down 3 percent, or 0.13 billion ha compared with 2000 (see **FIGURE 3** and **TABLE 3**). Between 2000 and 2020, roughly two-thirds of agricultural land were used for permanent meadows and pastures (3.18 billion ha in 2020), which declined by 6 percent (0.2 billion ha). One-third of the total agricultural land was cropland (1.56 billion ha in 2020), which increased by 5 percent (0.07 billion ha). Although agricultural land decreased since 2000, it increased on average by 0.1 percent each year over the 1961–2020 period, with a significant expansion up to the 1990s.¹

The regional breakdown of the global cropland area varied

BOX 1. FOCUS ON AGRIFOOD SYSTEMS – INDUSTRY DECOMPOSITION OF FOOD EXPENDITURES

New work by FAO in cooperation with Cornell University aims to shed light on the distribution of national final consumption expenditures on food among the different food value chain industries (agriculture, processing, wholesale and retail distribution). This effort looks at both the farm and the post-farm gate agrifood dimensions of different food value chains. Over the 2005–2015 period, wholesale and retail trade accounted on average in all countries for roughly half the total food expenditures for the Food At Home and Food and Tobacco At Home value chains, with manufacturing of food representing around one-quarter and agriculture around one-fifth. For the Food and Accommodation Away From Home value chain, accommodation and food service activities represented on average two-thirds of the total food expenditures, which significantly reduced the share of the other sectors, with agriculture accounting for only 7 percent. Furthermore, there is a strong correlation ($R^2 = 0.81$) in this value chain between the share of agriculture in food expenditures and the share of agriculture, forestry and fishing value added in GDP, as shown in **FIGURE B1**.

FIGURE B1.
SHARE OF AGRICULTURE, FORESTRY AND FISHING IN FOOD EXPENDITURES COMPARED TO THE SHARE OF AGRICULTURE, FORESTRY AND FISHING VALUE ADDED IN GDP (2015)



Note: Cambodia (x = 7.8; y = 26.6) is omitted from the chart as an outlier.

Source: FAO. 2022. FAOSTAT: Industry and primary factors decomposition. In: FAO. Rome. Cited October 2022. <https://www.fao.org/faostat/en/#data/GFDI> and FAO. 2022. FAOSTAT: Macro Indicators. In: FAO. Rome. Cited October 2022. <https://www.fao.org/faostat/en/#data/MK> <https://doi.org/10.4060/cc2211en-figB1>

marginally between 2000 and 2020 (see **FIGURE 4**). Asia had the largest share of the global cropland area in 2020 (38 percent), followed by the Americas (24 percent), Europe (18 percent), Africa (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 (24 percent and 23 percent, respectively), while Asia had more moderate growth (5 percent). The cropland area of the Americas and Europe declined between 2000 and 2020, by 0.8 and 5 percent, respectively.

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 country area.^b In 2020, 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 share of global cropland was in India (11 percent), followed by the United States of America (10 percent) and China (9 percent). Extensive grasslands versus croplands in agricultural land can indicate intensified livestock practices as opposed to harvesting crops.

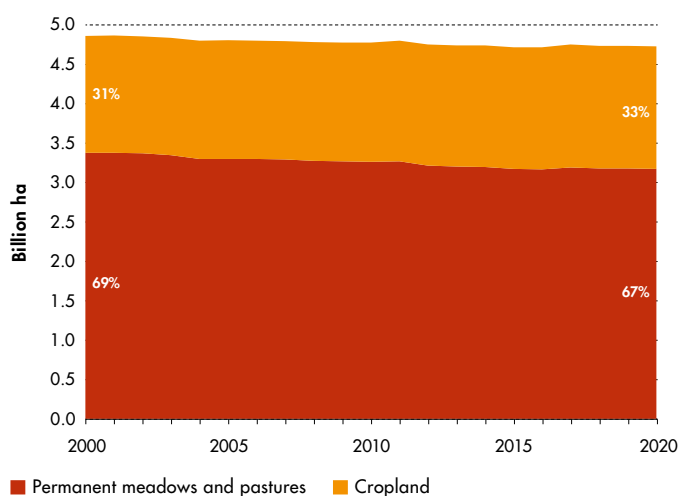
Cropland area per capita decreased in all regions between 2000 and 2020 as population increased faster than the cropland area (see **FIGURE 6**). The world average declined by 18 percent to 0.20 ha per capita in 2020; the decrease was the largest in Africa (-26 percent, to 0.21 ha per capita), followed by the Americas (-19 percent, to 0.36 ha per capita), Asia (-15 percent, to 0.13 ha per capita), Oceania (-9 percent, to 0.78 ha per capita) and Europe (-8 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 vast areas of land available over sparsely populated areas. Other reasons for high values include the intense use of agricultural inputs over cropland 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.

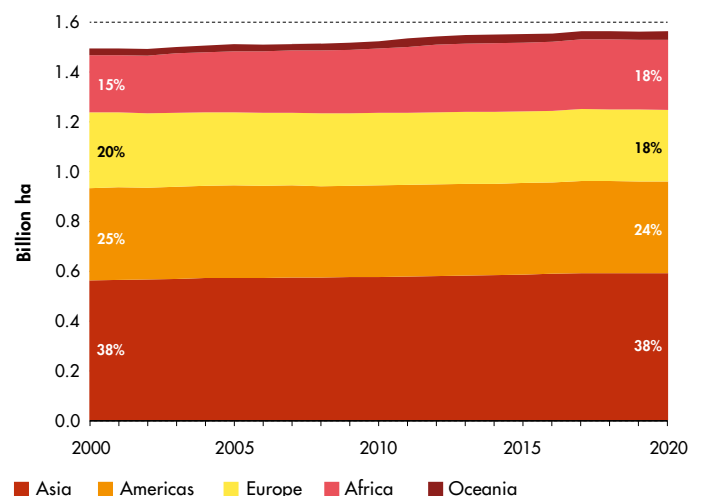
The global land area equipped for irrigation reached 349 million ha in 2020 (see **FIGURE 7**), an increase of 20 percent from the 289 million ha of 2000 and more than twice the 1960s land area equipped for irrigation.² The vast majority is located in Asia (70 percent), where

FIGURE 3.
WORLD AGRICULTURAL LAND BY USE



Note: Percentages on the figure indicate the shares in the total; they may not tally due to rounding.
Source: FAO. 2022. FAOSTAT: Land Use. In: FAO. Rome. Cited October 2022.
<http://www.fao.org/faostat/en/#data/RL>
<https://doi.org/10.4060/cc2211en-fig03>

FIGURE 4.
CROPLAND AREA BY REGION



Note: Percentages on the figure indicate the shares in the total; they may not tally due to rounding.
Source: FAO. 2022. FAOSTAT: Land Use. In: FAO. Rome. Cited October 2022.
<http://www.fao.org/faostat/en/#data/RL>
<https://doi.org/10.4060/cc2211en-fig04>

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

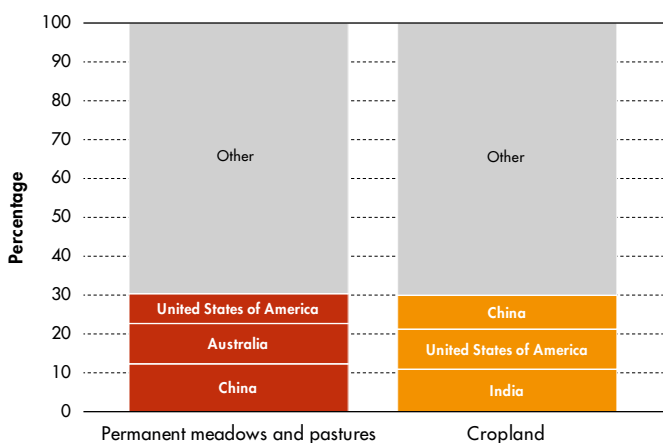
irrigation was a key component of the green revolution;³ the Americas account for 16 percent and Europe for 8 percent of the world total. As shown in **TABLE 5**, China (75 million ha) and India (73 million ha) have the largest equipped area for irrigation, far ahead of the United States of

America (27 million ha). China and India also have the largest net gains in equipped area between 2000 and 2020 (+21 million ha for China and +12 million ha for India). All the regions except Europe saw increases in the area equipped for irrigation, with Africa growing the fastest

(+28 percent), followed by Oceania (+23 percent), Asia (+23 percent) and the Americas (+19 percent).

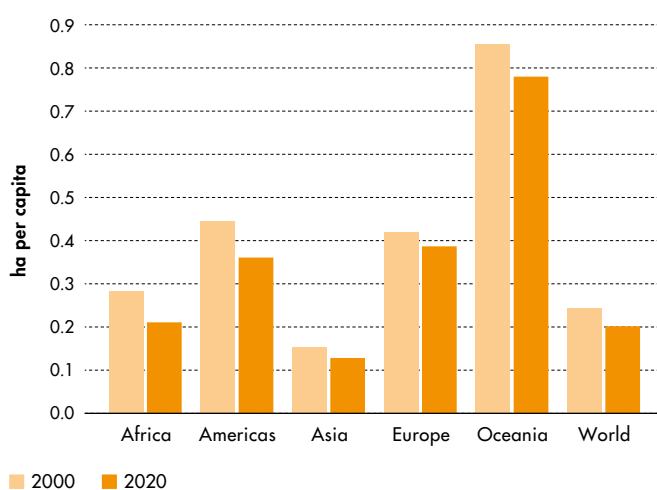
The share of the area equipped for irrigation in agricultural land increased to 7.3 percent in 2020, up 1.4 percentage points compared with 2000 (see **FIGURE 8**). It increased

FIGURE 5.
WORLD AGRICULTURAL LAND BY USE AND MAIN COUNTRIES (2020)



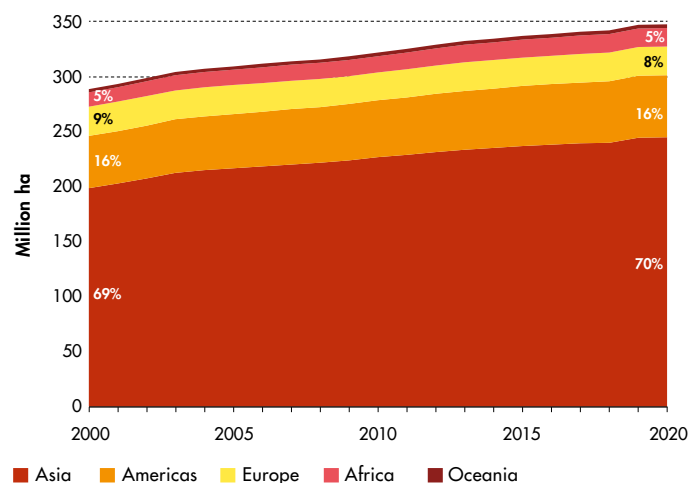
Source: FAO. 2022. FAOSTAT: Land Use. In: FAO. Rome. Cited October 2022.
<http://www.fao.org/faostat/en/#data/RL>
<https://doi.org/10.4060/cc2211en-fig05>

FIGURE 6.
CROPLAND AREA PER CAPITA BY REGION



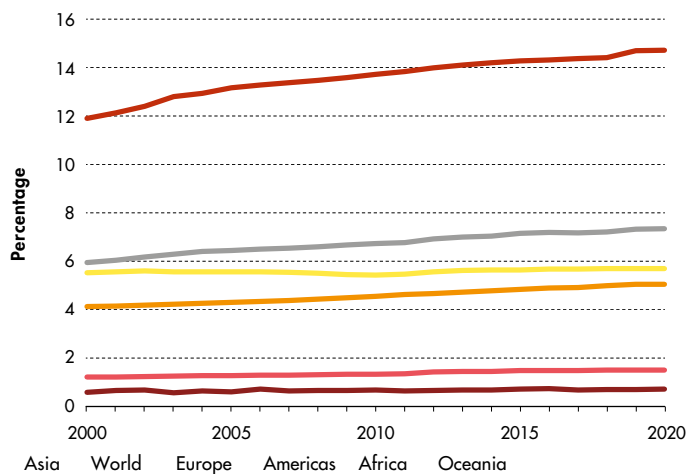
Source: FAO. 2022. FAOSTAT: Land Use. In: FAO. Rome. Cited October 2022.
<http://www.fao.org/faostat/en/#data/EL>
<https://doi.org/10.4060/cc2211en-fig06>

FIGURE 7.
AREA EQUIPPED FOR IRRIGATION BY REGION



Note: Percentages on the figure indicate the shares in the total; they may not tally due to rounding.
Source: FAO. 2022. FAOSTAT: Land Use. In: FAO. Rome. Cited October 2022.
<http://www.fao.org/faostat/en/#data/RL>
<https://doi.org/10.4060/cc2211en-fig07>

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



Source: FAO. 2022. FAOSTAT: Land Use. In: FAO. Rome. Cited October 2022.
<http://www.fao.org/faostat/en/#data/EL>
<https://doi.org/10.4060/cc2211en-fig08>

in all regions, with the larger 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**, Egypt stands out as the country with the highest share of equipped area for irrigation (98.9 percent in 2020), as the agricultural land is concentrated in the Nile valley and delta.⁴ Countries with low shares are more dependent on rainfed agriculture, which is affected by changing rain patterns and tends to be more extensive than irrigated agriculture. 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

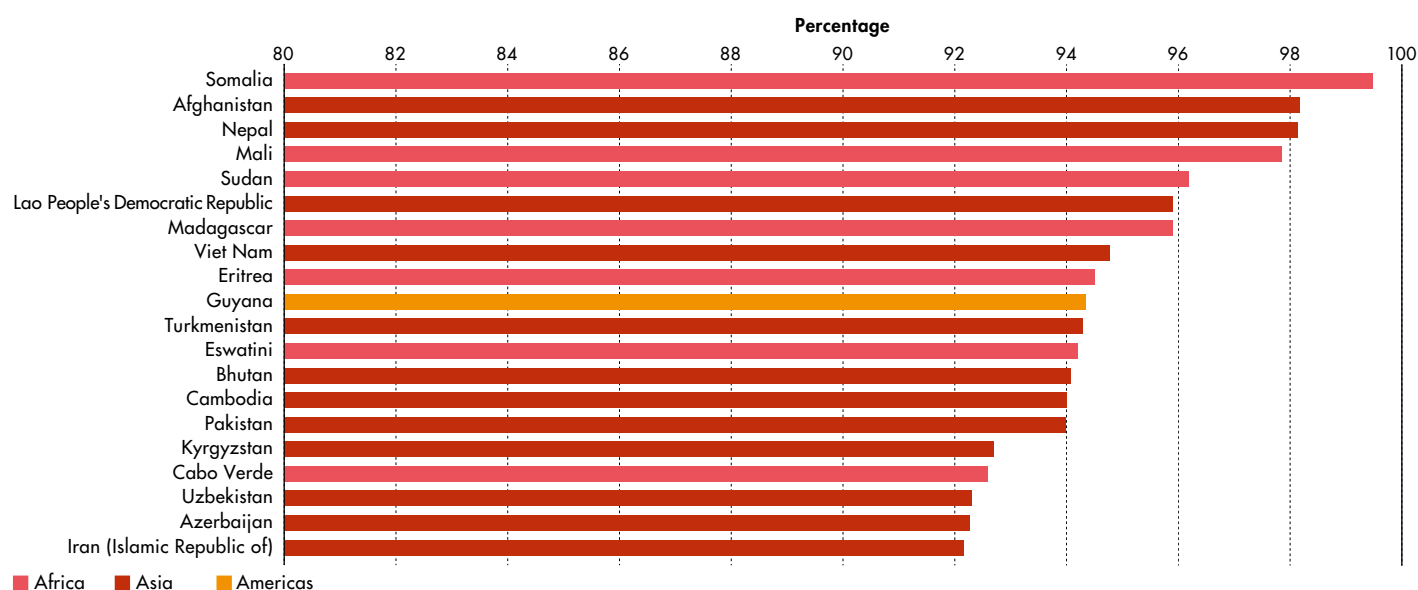
to the industrial and municipal ones. As seen **FIGURE 9**, the countries with the highest shares are located mostly in Africa and Asia, with the share of Somalia above 99 percent. One trait shared by most of these countries is the income level: out of the top 20 countries, the World Bank classifies 6 as low-income and 11 as lower-middle income while the remaining 3 belong to the upper-middle income group.⁵ In 2019, the share of agricultural water withdrawals in total withdrawals was greater than 90 percent in 30 countries (see **TABLE 7**).

● Labour

The number of people working in agriculture worldwide, including forestry and fishing, went down 17 percent in the 2000–2021 period, reaching 866 million in 2021, or 177 million less than in 2000 (see **FIGURE 10**). The impact of the COVID-19 pandemic can

be seen in the values of 2020 and 2021: the decline between 2019 and 2020 was sharper than the average of the previous years due to the restrictions and the decline in activity, while the rebound experienced in 2021 translated into an increase of employment in agriculture of 10 million people (with increases in Africa, the Americas and Asia, and decreases in Europe and Oceania).^c Between 2000 and 2021, agricultural employment has declined from approximately 800 million people to roughly 580 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. The biggest drop was observed in Europe, as agricultural employment there has decreased by 49 percent from about 35 million, which represents a decrease of 17 million people. During the same period,

FIGURE 9.
SHARE OF WATER WITHDRAWAL BY AGRICULTURE IN TOTAL WITHDRAWAL, TOP COUNTRIES (2019)



Source: FAO. 2022. AQUASTAT. In: FAO. Rome. Cited October 2022. <https://www.fao.org/aquastat/statistics/query/index.html?lang=en>
<https://doi.org/10.4060/cc2211en-fig09>

^c To fully understand the extent of the disruption caused by the COVID-19 pandemic, information on the number of people employed needs to be combined with other employment characteristics that capture reductions in the number of hours worked or transitions into a temporary activity.

even if the share of employment in agriculture declined in Africa (see **FIGURE 11**), agricultural employment increased to 226 million people in 2021. With around 190 million people working in each of India and China in agriculture, together they accounted for two-thirds of agricultural employment in Asia and 44 percent of global agricultural employment in 2021 – even though 27 million people left the agriculture sector between 2000 and 2021 in India and 173 million in China (see **TABLE 8**).

The share of employment in agriculture, forestry and fishing declined globally by about 13 percentage points between 2000 and 2021, to 26.6 percent (see **FIGURE 11**). Yet, agriculture remains the second largest source of employment worldwide after the services sector.⁶ 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 all sectors due to the COVID-19 restrictions, the industry and services sector were much more affected than agriculture, 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. The lowest share of employment in agriculture was observed in Europe in 2021, where only 5.1 percent of the employed population had a job in agriculture. The highest share was observed in Africa with 48.4 percent of the total employed population.

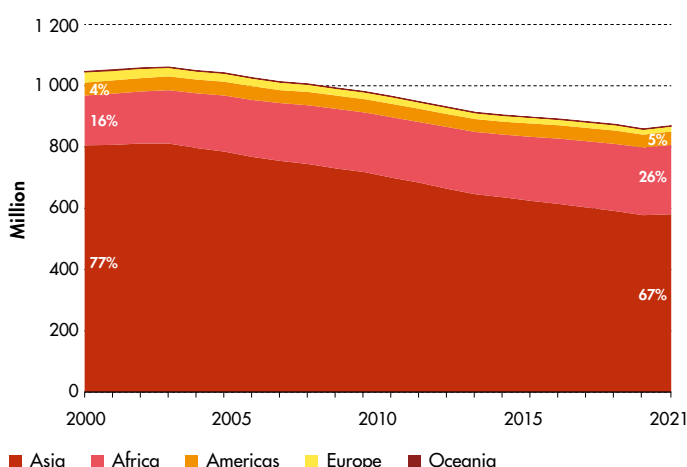
FIGURE 12 shows the countries with the highest shares of women in agricultural employment. While on average women represented 37.1 percent of all agricultural workers in 2021, this share is above 50 percent in 20 countries

(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.⁷ 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.⁸

● Capital and investment

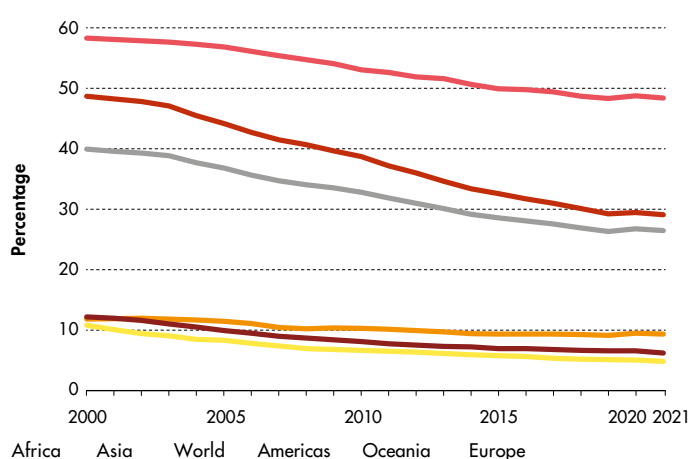
Capital in the agriculture sector includes the machinery, equipment and tools as well as the farm buildings, and is essential in the production of all agricultural outputs. The gross fixed capital formation (GFCF) is an indication of the amounts that are reinvested in new fixed assets that are part of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

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



Note: Percentages on the figure indicate the shares in the total; they may not tally due to rounding.
Source: FAO. 2022. FAOSTAT: Employment Indicators: Agriculture. In: FAO. Rome. Cited October 2022. <http://www.fao.org/faostat/en/#data/OEA>
<https://doi.org/10.4060/cc2211en-fig10>

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



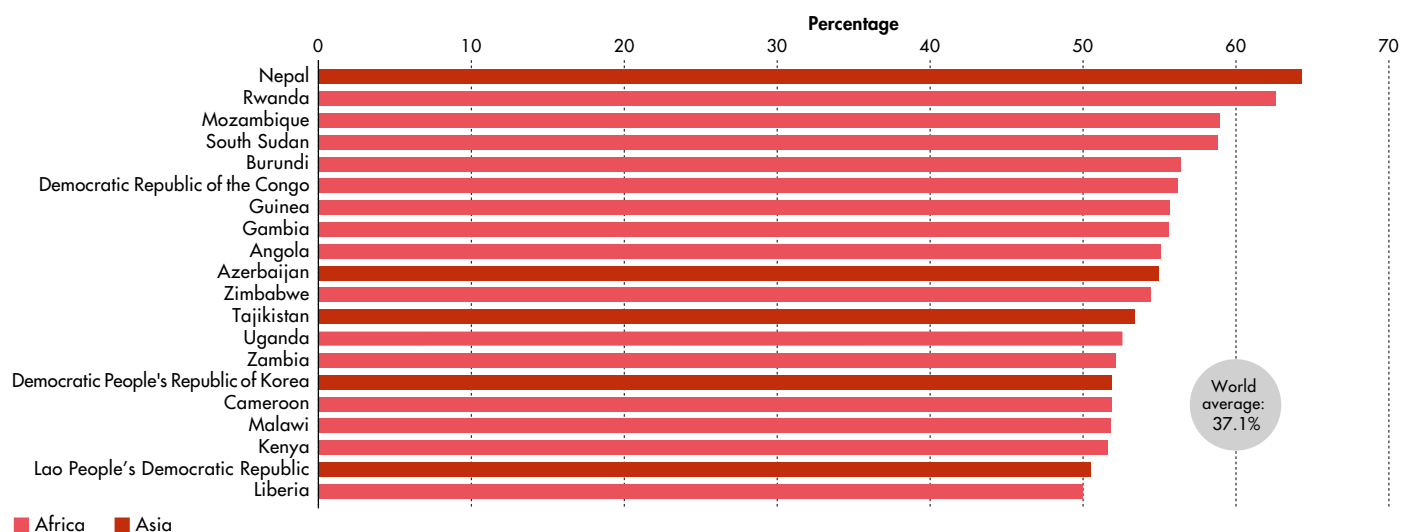
Source: FAO. 2022. FAOSTAT: Employment Indicators: Agriculture. In: FAO. Rome. Cited October 2022. <http://www.fao.org/faostat/en/#data/OEA>
<https://doi.org/10.4060/cc2211en-fig11>

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

in 2021 are all in Europe: Latvia (77 percent), Belgium (76 percent) and Estonia (57 percent). The leaders of the other regions had much lower shares: 34 percent for Australia, 26 percent for the United States of America and Japan, and 20 percent for South Africa.

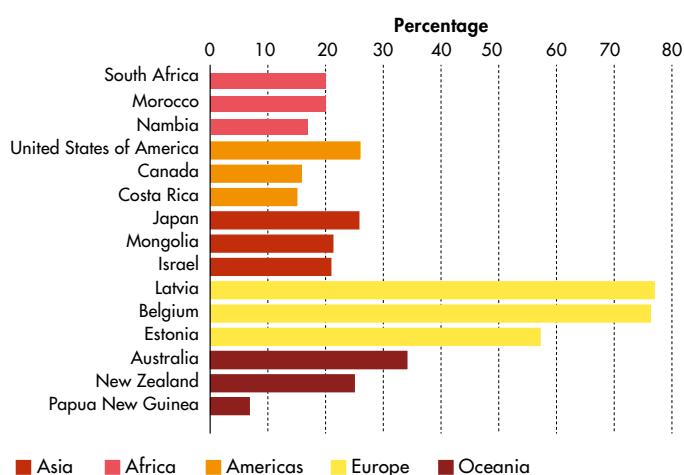
Government spending on agriculture is a measure of the public financial support to the sector and complements investments made by the private sector. Asia and Africa had the highest percentage of central government spending on agriculture between 2000 and 2020.⁹ **FIGURE 14**

FIGURE 12.
SHARE OF WOMEN IN AGRICULTURE, FORESTRY AND FISHING EMPLOYMENT, TOP COUNTRIES (2021)



Source: Based on FAO. 2022. FAOSTAT: Employment Indicators: Agriculture. In: FAO. Rome. Cited October 2022. <http://www.fao.org/faostat/en/#data/OEA>
<https://doi.org/10.4060/cc2211en-fig12>

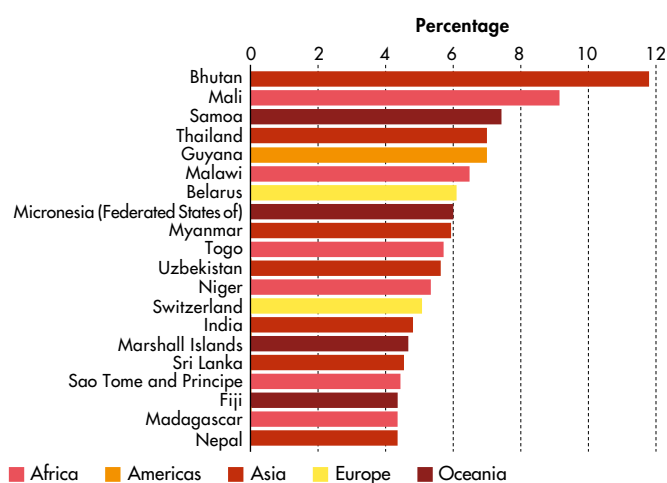
FIGURE 13.
GROSS FIXED CAPITAL FORMATION (AGRICULTURE, FORESTRY AND FISHING) AS A SHARE OF VALUE ADDED, TOP COUNTRIES BY REGION (2021, USD 2015 PRICES)



Note: Only countries with more than USD 500 million of agriculture value added are included. Values for 2021 are projections.

Source: FAO. 2022. FAOSTAT: Capital Stock. In: FAO. Rome. Cited October 2022. <http://www.fao.org/faostat/en/#data/CS>
<https://doi.org/10.4060/cc2211en-fig13>

FIGURE 14.
GOVERNMENT EXPENDITURE ON AGRICULTURE, FORESTRY AND FISHING AS A SHARE OF TOTAL OUTLAYS, TOP COUNTRIES (2018–2020*)



Source: FAO. 2021. FAOSTAT: Government Expenditure. In: FAO. Rome. Cited October 2022. <http://www.fao.org/faostat/en/#data/IG>
<https://doi.org/10.4060/cc2211en-fig14>

and **TABLE 12** reflect this, as most of the countries with the highest shares are in these two regions, with Bhutan (11.8 percent), Mali (9.2 percent), and Samoa (7.4 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.¹⁰

INPUTS

● Pesticides

Global pesticides use increased during the period 2000–2020 by 30 percent, to 2.7 million tonnes in 2020 (see **FIGURE 15**). Nearly all the increase took place between 2000 and 2012, with a plateau until 2017 and a small decline afterwards. The highest contributions came from the Americas, followed by Asia, Europe, Africa and Oceania.^d The share of the Americas, the largest contributor, increased from 44 percent to 51 percent of global

pesticides consumption while that of Asia and Europe decreased by 4–5 percentage points to 25 percent and 18 percent, respectively. Africa and Oceania applied small amounts of pesticides over time, but Oceania nonetheless had the highest growth in pesticides applications (+86 percent). As shown in **TABLE 13**, the United States of America was the largest pesticide user in 2020 with 0.41 million tonnes, or 15 percent of the world total, slightly ahead of Brazil (0.38 million tonnes) and China (0.27 million tonnes).

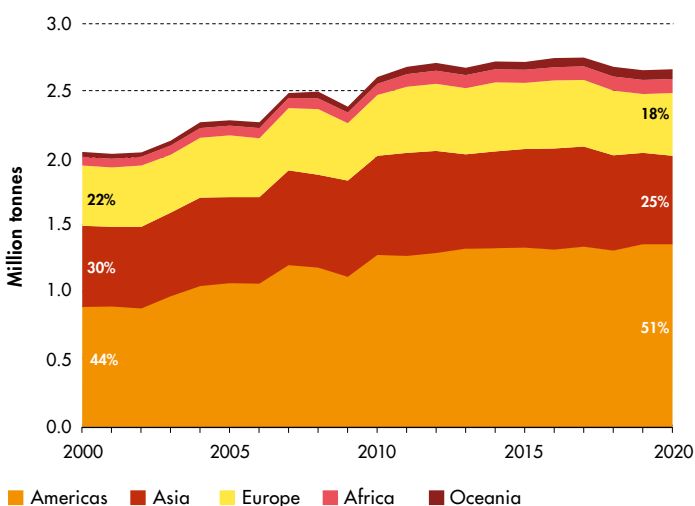
Global pesticides use per cropland area went up 25 percent in the 2000s, from 1.5 kg/ha to 1.8 kg/ha and levelled out after 2010 (see **FIGURE 16**), although with some important regional differences. Pesticides application rates in 2020 were highest in the Americas by far, followed by Oceania, Europe, Asia and

Africa. By the end of the 2010s, Oceania surpassed both Europe and the global average. Asia was the only region where pesticides use per cropland area did not increase between 2010 and 2020. The top three countries in terms of pesticides application rate for 2020 were Saint Lucia, with 20 kg/ha, Maldives, with 17 kg/ha and Oman, with 16 kg/ha (see **TABLE 14**).

● Fertilizers

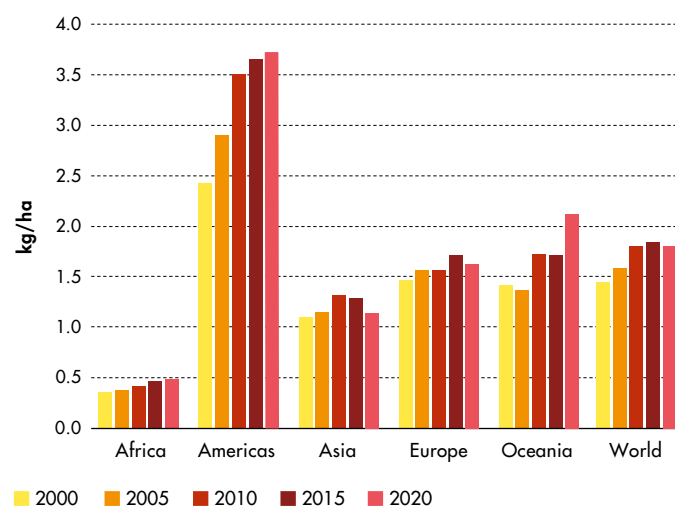
Total agricultural use of inorganic fertilizers, expressed as the sum of the three nutrients nitrogen (N), phosphorus (expressed as P₂O₅) and potassium (expressed as K₂O), was 201 million tonnes in 2020. As shown in **FIGURE 17**, the breakdown was 113 million tonnes of nitrogen (56 percent of the total), 48 million tonnes of phosphorus (24 percent) and 39 million tonnes of potassium

FIGURE 15.
PESTICIDE USE BY REGION



Note: Percentages on the figure indicate the shares in the total; they may not tally due to rounding.
Source: FAO. 2022. FAOSTAT: Pesticides Use. In: FAO. Rome. Cited October 2022.
<http://www.fao.org/faostat/en/#data/RP>
<https://doi.org/10.4060/cc2211en-fig15>

FIGURE 16.
PESTICIDE USE PER CROPLAND AREA BY REGION



Source: FAO. 2022. FAOSTAT: Pesticides Indicators. In: FAO. Rome. Cited October 2022.
<http://www.fao.org/faostat/en/#data/EP>
<https://doi.org/10.4060/cc2211en-fig16>

^d Data published in 2022 included a major downward revision of total pesticides use in China representing an 85 percent decrease compared to previously disseminated data. The revision reduced world total pesticides use by 40 percent compared to previous data. This was the result of new information received from the country, clarifying that previous figures had been reported to FAO in total formulated products rather than in active ingredients.

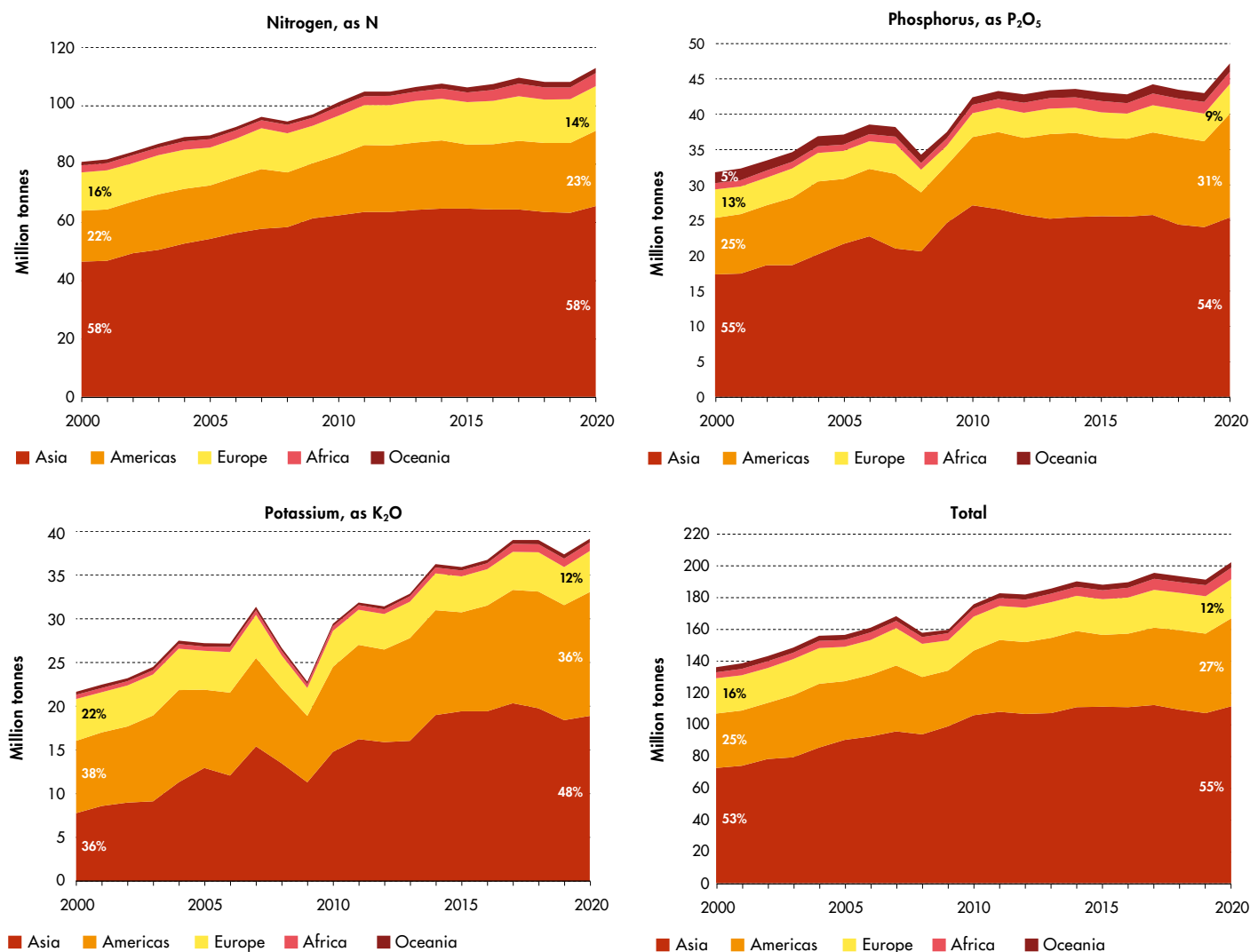
(20 percent). The overall fertilizer use in 2020 was 66 million tonnes, or 49 percent, higher than in 2000 (40 percent higher for nitrogen, 49 percent higher for phosphorus and 81 percent higher for potassium).

Asia represented 55 percent of world total agricultural use of inorganic fertilizers in 2020, followed by the

Americas (27 percent), Europe (12 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 between 2000 and 2020 (see FIGURE 18). The total for the three nutrients went up 38 million tonnes – the largest increase in absolute terms – in Asia, or 53 percent. The fastest increase took place in Africa, with a growth of 86 percent equivalent to just 3 million tonnes due to the low

FIGURE 17
INORGANIC FERTILIZER USE BY REGION



Note: Percentages on the figure indicate the shares in the total; they may not tally due to rounding.
Source: FAO. 2022. FAOSTAT: Fertilizers by Nutrient. In: FAO. Rome. Cited October 2022. <http://www.fao.org/faostat/en/#data/RFN>
<https://doi.org/10.4060/cc2211en-fig17>

starting level. In the Americas, fertilizer use posted a 63 percent increase, or 21 million tonnes, while in Oceania it went up 13 percent (or 0.4 million tonnes) compared to 10 percent in Europe (or 2.3 million tonnes).

The mix of nutrients varies across the regions. Nitrogen is the dominant nutrient, accounting for around 60 percent of fertilizer use in Europe (63 percent), Africa (62 percent) and Asia (59 percent), and around half of the total in Oceania (52 percent) and the Americas (47 percent). The use of phosphorus accounts for 18 to 27 percent of the total in all the regions except Oceania, where its share is 36 percent. The

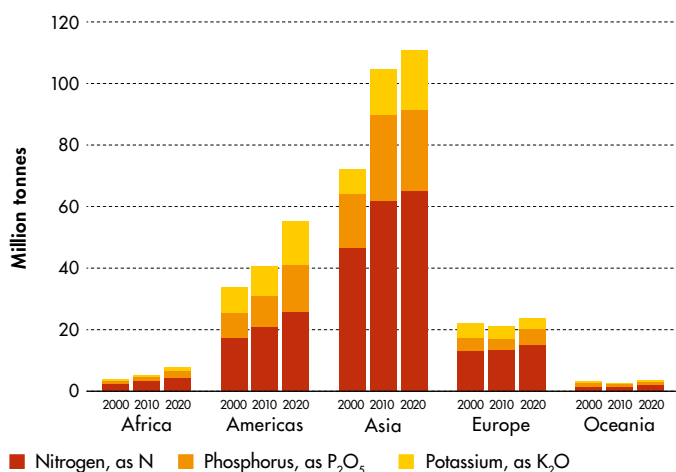
share of potassium in fertilizer use is the highest in the Americas with 26 percent, followed by Europe (19 percent), Asia (17 percent), Africa (14 percent) and Oceania (12 percent). The use of phosphorus declined in Oceania between 2000 and 2020, while the use of potassium declined in Europe over the same period.

World agricultural use of inorganic fertilizers per cropland area rose by 43 percent during the 2000–2020 period, to 129 kg of nutrients per hectare – expressed as the sum of nitrogen, phosphorus and potassium (see **FIGURE 19**). This corresponds to an increase of 39 kg/ha compared with 2000. Of the total amount,

73 kg/ha correspond to nitrogen (up 34 percent), 31 kg/ha to phosphorus (up 43 percent) and 25 kg/ha to potassium (up 74 percent).

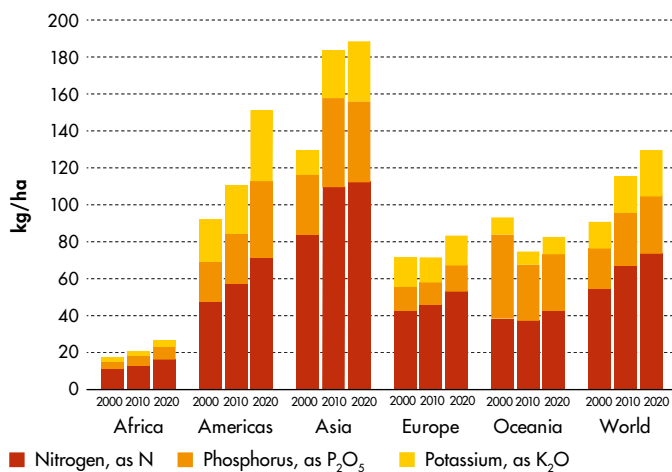
Fertilizer use per cropland area in 2020 was the highest in Asia, at 187 kg/ha, followed by the Americas (151 kg/ha), Europe (83 kg/ha), Oceania (82 kg/ha) and Africa (26 kg/ha), as shown on **FIGURE 19** and **TABLE 16**. With a growth rate of 64 percent between 2000 and 2020, the Americas was the region with the fastest increase in fertilizer use per cropland area, ahead of Africa (+53 percent), Asia (+46 percent) and Europe (+16 percent) – Oceania is the only region showing a decrease (-12 percent).

FIGURE 18.
INORGANIC FERTILIZER USE BY NUTRIENT AND REGION



Source: FAO. 2022. FAOSTAT: Fertilizers by Nutrient. In: *FAO*. Rome. Cited October 2022.
<http://www.fao.org/faostat/en/#data/RFN>
<https://doi.org/10.4060/cc2211en-fig18>

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

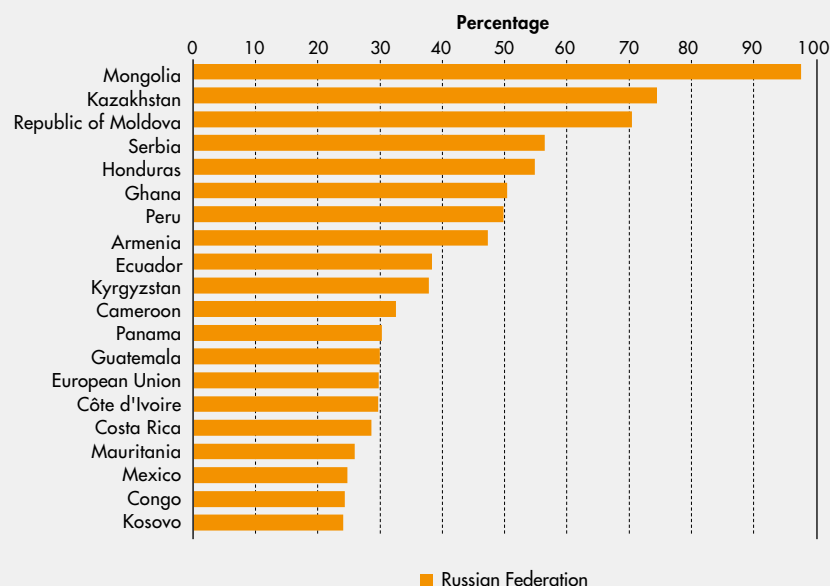


Source: FAO. 2022. FAOSTAT: Fertilizers indicators. In: *FAO*. Rome. Cited October 2022.
<http://www.fao.org/faostat/en/#data/EF>
<https://doi.org/10.4060/cc2211en-fig19>

BOX 2.
FOCUS ON THE IMPACT OF THE WAR IN UKRAINE ON GLOBAL FOOD SECURITY – FERTILIZERS TRADE

The Russian Federation is one of the top producers and exporters of nitrogen, phosphorus and potassium fertilizers. The price of fertilizers went up in 2021 (with prices of urea, a key N fertilizer, multiplied by almost four at the end of 2022 compared with 2020), due to increasing energy prices and transportation costs in the wake of the pandemic. The war in Ukraine disrupted exports, pushing prices further up and reducing the quantities available on the global market. This reduction is expected to contribute to increased food production costs and prices, possibly leading to a reduction in crop production in the coming years due to reduced fertilizers use. The most recent data show that 25 countries and the European Union sourced from the Russian Federation at least 20 percent of their fertilizers imports in 2021, with higher shares observed for countries in Central Asia, Eastern Europe, Latin America and Africa.

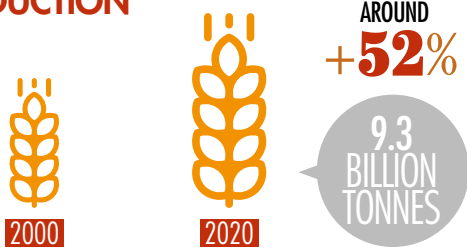
FIGURE B2.
FERTILIZER IMPORT DEPENDENCY, TOP NET IMPORTERS (2021)



Source: Adapted from FAO, 2022. *Information Note – The importance of Ukraine and the Russian Federation for global agricultural markets and the risks associated with the war in Ukraine (10 June 2022 Update)*. Rome. <http://www.fao.org/3/cb9013en/cb9013en.pdf>
<https://doi.org/10.4060/cc2211en-figB2>

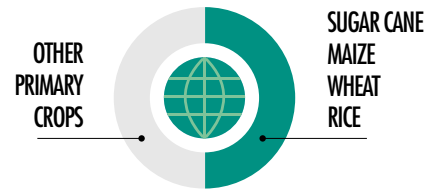
CHAPTER 2 KEY FACTS

PRIMARY CROP PRODUCTION



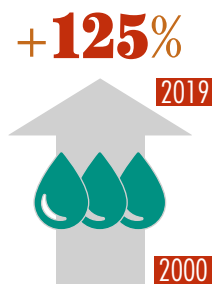
The production of primary crops was 9.3 billion tonnes in 2020, 52% more than in 2000.

GLOBAL PRIMARY CROP PRODUCTION



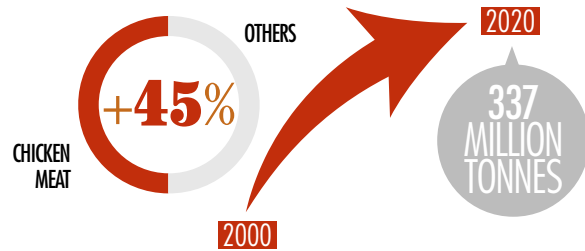
Four crops account for about half of global primary crop production: sugar cane, maize, wheat and rice.

VEGETABLE OILS PRODUCTION



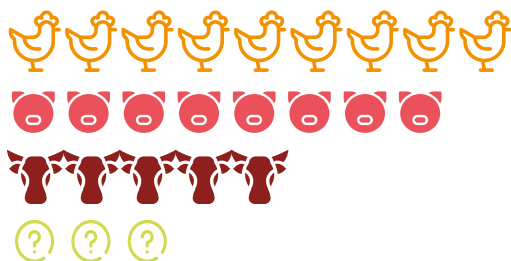
The production of vegetable oils went up 125% between 2000 and 2019, driven by a sharp increase in palm oil.

MEAT PRODUCTION



337 million tonnes of meat were produced in 2020, 45% 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 2020.

CEREALS TRADE



Cereals are the most traded commodity by quantity in 2020: 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

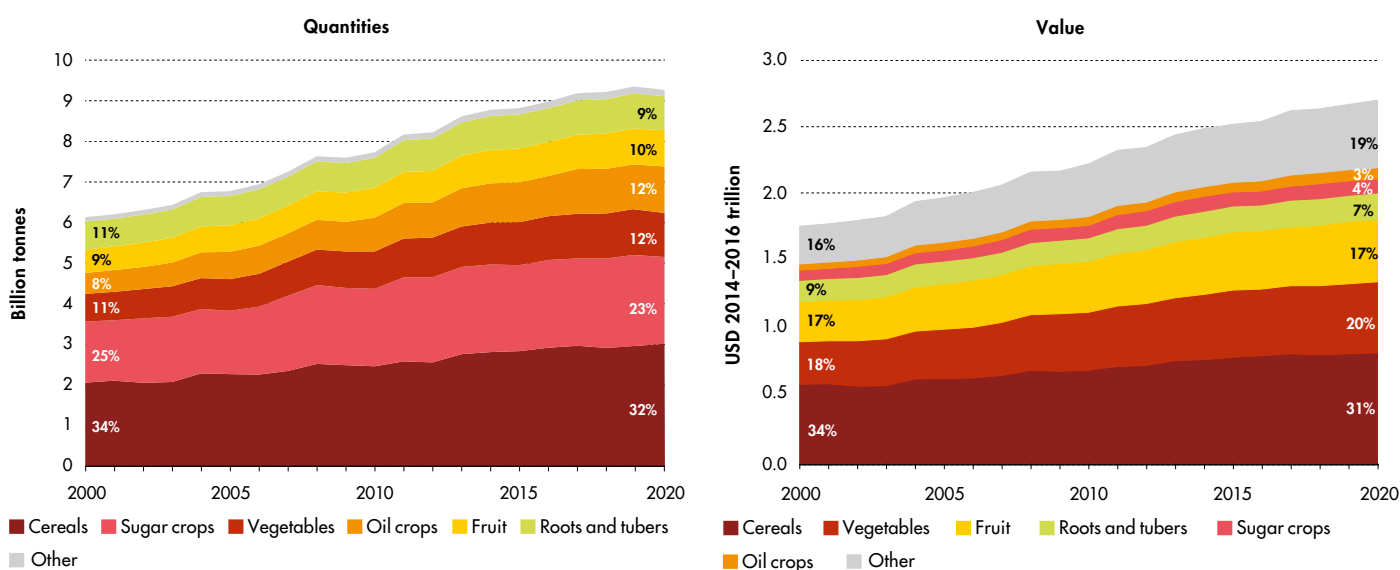
World production of primary crops increased by 52 percent between 2000 and 2020, to 9.3 billion tonnes, on level with the 2019 production (see **FIGURE 20** and **TABLE 17**). This represents 3.2 billion tonnes more than in 2000. With slightly less than one-third of the total, cereals were the main group of crops produced in 2020, followed by sugar crops (23 percent), vegetables and oil crops (12 percent each). Fruit, and roots and tubers each accounted for 9–10 percent of the total production. The increase in production is mostly

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 practices¹¹ and the use of high-yield crops¹² also play a role.

The value of primary crops production increased at roughly the same pace in real terms as the quantities produced (53 percent), from USD 1.8 trillion in 2000 to USD 2.7 trillion in 2020. While the share of cereals in the total production value was almost the

same as in the total quantities during the whole period, the rest of the breakdown was very different. Vegetables accounted for 20 percent of the total value in 2020, followed by fruit (17 percent) and roots and tubers (7 percent). Sugar crops and oil crops each represented 3–4 percent of the total value: such a discrepancy with the share of the quantities produced is due to differences in price compared to fruit and vegetables, and to the fact that the transformation of these commodities into refined products (sugar and vegetable oils) is adding the most value.

FIGURE 20.
WORLD PRODUCTION OF CROPS BY COMMODITY GROUP



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

Source: FAO. 2022. FAOSTAT: Production: Crops and livestock products. In: FAO. Rome. Cited October 2022. <https://www.fao.org/faostat/en/#data/QCL> and FAO. 2022. FAOSTAT: Value of Agricultural Production. In: FAO. Rome. Cited October 2022. <https://www.fao.org/faostat/en/#data/QV> <https://doi.org/10.4060/cc2211en-fig20>

While a large number of crops are cultivated and harvested around the world, just four individual crops accounted for half the global production of primary crops in 2020: 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 of world crop production.

Sugar cane accounted for around 21 percent of the global crop production over the 2000–2020 period. While maize, wheat and rice each represented 10 percent of the total in 2000, maize production grew three times faster than that of wheat or rice during the 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 (54 percent of the world total) and maize (50 percent) in 2020, while Asia led in the production of rice (89 percent), oil palm fruit (89 percent), potatoes (50 percent) and wheat (46 percent).

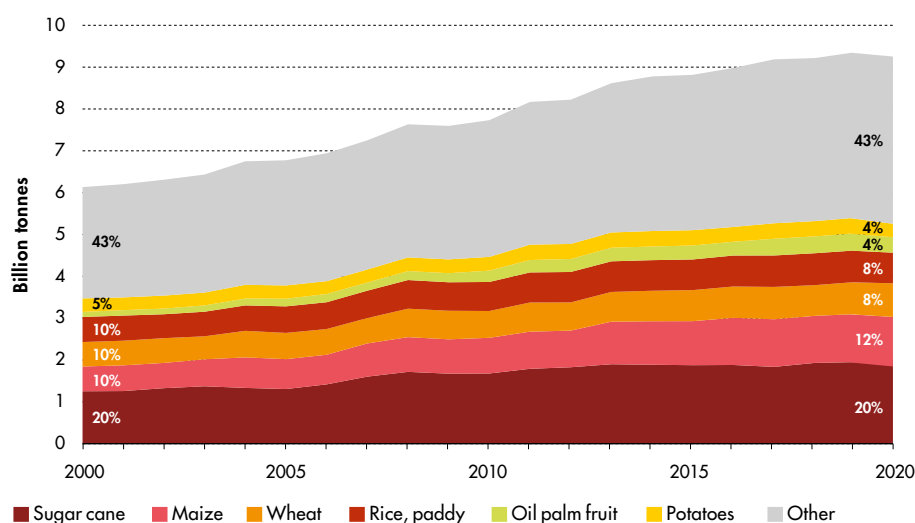
FIGURE 22 shows that for each main crop commodity, the top three producers combined account for a significant share of the world total: slightly above 40 percent for wheat and potatoes, around 60 to 66 percent for sugar cane, maize and rice, and close to 90 percent for oil palm fruit in 2020. For each crop, the top producer also has a sizeable share of the global output: in 2020, Brazil accounted for 40 percent of world sugar cane production, the United States of America grew 31 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

about 25 percent of the world output of rice and potatoes, and 18 percent of the world output of wheat, while 61 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.

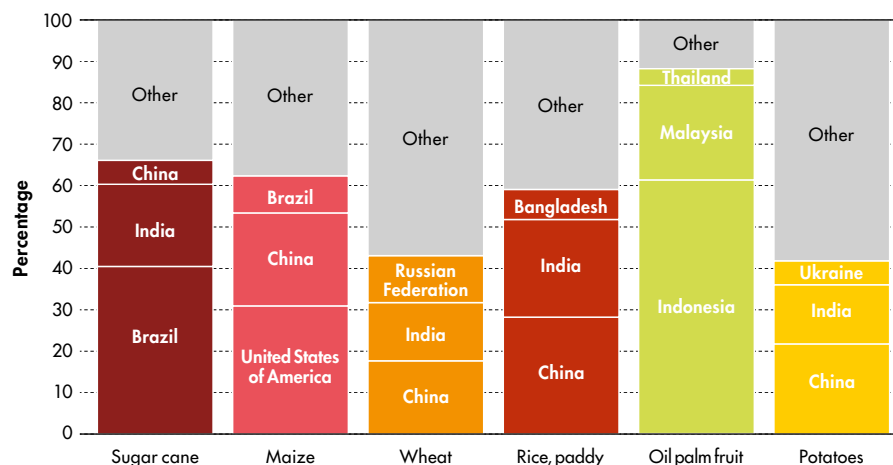
Most primary crops can be consumed unprocessed, but two

FIGURE 21.
WORLD PRODUCTION OF CROPS, MAIN COMMODITIES



Note: Percentages on the figure indicate the shares in the total; they may not tally due to rounding.
Source: FAO. 2022. PFAOSTAT: Production: Crops and livestock products. In: FAO. Rome. Cited October 2022.
<https://www.fao.org/faostat/en/#data/QCL>
<https://doi.org/10.4060/cc2211en-fig21>

FIGURE 22.
WORLD PRODUCTION OF MAIN PRIMARY CROPS BY MAIN PRODUCERS (2020)



Source: FAO. 2022. FAOSTAT: Production: Crops and livestock products. In: FAO. Rome. Cited October 2022.
<https://www.fao.org/faostat/en/#data/QCL>
<https://doi.org/10.4060/cc2211en-fig22>

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 125 percent between 2000 and 2019, to 208 million tonnes in 2019 (see **FIGURE 23** and **TABLE 20**). This is 115 million tonnes more than in 2000. Palm oil registered the largest increase, both absolute and relative, as its production went up 52 million tonnes, or 236 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 2019 are rapeseed oil, accounting for 12 percent of global vegetable oil production (down from

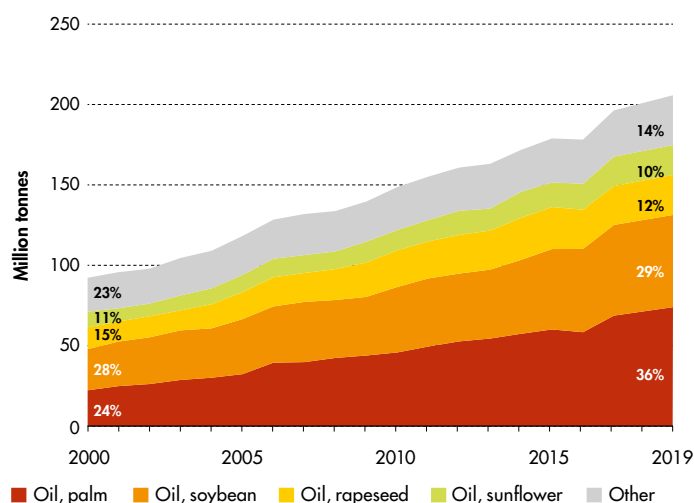
15 percent in 2000), and sunflower oil, which accounted for 10 percent of total vegetable oil production (down from 11 percent in 2000).

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 2019: Indonesia (57 percent) and Malaysia (27 percent). This mirrors the shares of the top producers of oil palm fruit shown in **FIGURE 22**. In 2019, the top three producers accounted for 63–64 percent of the production of soybean oil and sunflower oil, and for 40 percent of the production of rapeseed oil. China was the main producer of soybean oil, with a share of 27 percent in 2019 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 2019, with 17 percent of the world total, just ahead of China (13 percent), while Ukraine produced 29 percent of the global sunflower oil output in 2019, with the Russian Federation a close second (27 percent).

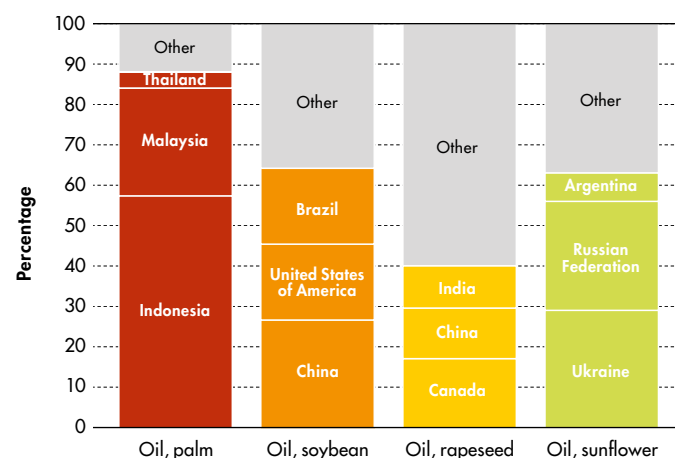
The global production of raw sugar reached 179 million tonnes in 2019, up 35 percent compared with 2000, or 47 million tonnes (see **FIGURE 25** and **TABLE 21**). As sugar cane, the main sugar crop, grows in tropical regions, the main producing countries are located there. In 2019, the largest producing country was India, which increased its share in the world total from 15 percent in 2000 to 19 percent in 2019. Brazil, which was the top sugar producer between 2002 and 2017, saw its sugar production drop in 2018 due to dry weather and

FIGURE 23.
WORLD PRODUCTION OF VEGETABLE OILS, MAIN COMMODITIES



Note: Percentages on the figure indicate the shares in the total; they may not tally due to rounding.
Source: FAO. 2022. FAOSTAT: Production: Crops and livestock products. In: FAO. Rome. Cited October 2022. <https://www.fao.org/faostat/en/#data/QCL>
<https://doi.org/10.4060/cc2211en-fig23>

FIGURE 24.
WORLD PRODUCTION OF MAIN VEGETABLE OILS BY MAIN PRODUCERS (2019)



Source: FAO. 2022. FAOSTAT: Production: Crops and livestock products. In: FAO. Rome. Cited October 2022. <https://www.fao.org/faostat/en/#data/QCL>
<https://doi.org/10.4060/cc2211en-fig24>

higher ethanol prices that make producing sugar less profitable. The other main producers each accounted for 3 to 8 percent of the total production in 2019, with the Russian Federation relying only on sugar beet for sugar production.

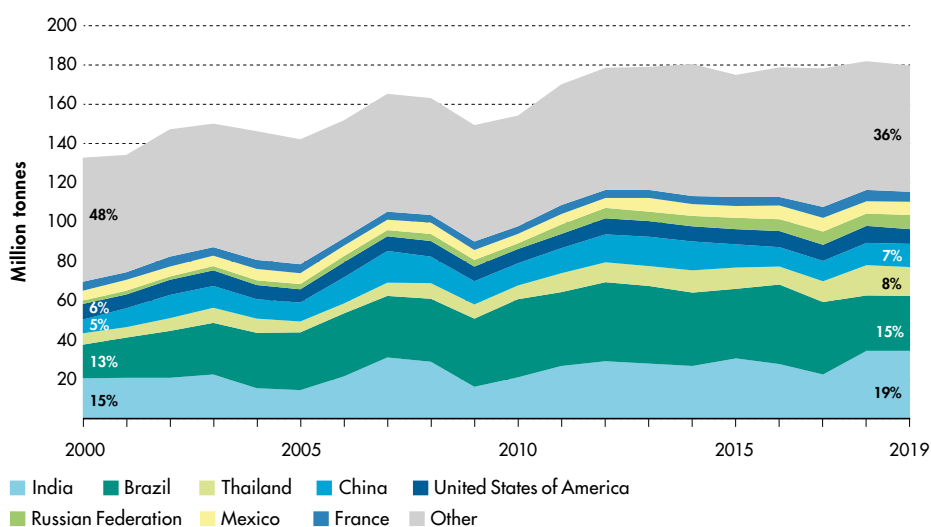
PRODUCTION OF LIVESTOCK AND LIVESTOCK COMMODITIES

World meat production reached 337 million tonnes in 2020, up 45 percent, or 104 million tonnes compared with 2000 (see **FIGURE 26**). Although many species are raised for their meat, only three accounted for nearly 90 percent of the global production during the 2000–2020 period: chicken, pig and cattle (not taking into account the different breeds for each). With 35 percent of the global production in 2020, chicken meat showed the largest growth in absolute and relative terms since 2000 (+104 percent, or 61 million tonnes) and was the most produced type of meat in 2020. Pig meat represented 33 percent of the total in 2020,

compared to 39 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 tonnes decrease in world pig meat

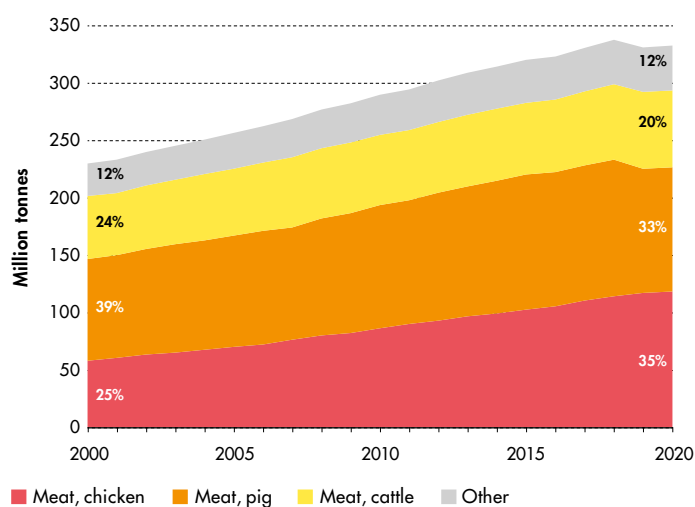
production between 2018 and 2019, with China being hardest hit, and kept constraining production in 2020. The share of cattle meat dropped from 24 percent in 2000 to 20 percent in 2020.

FIGURE 25.
WORLD PRODUCTION OF RAW SUGAR, MAIN PRODUCERS



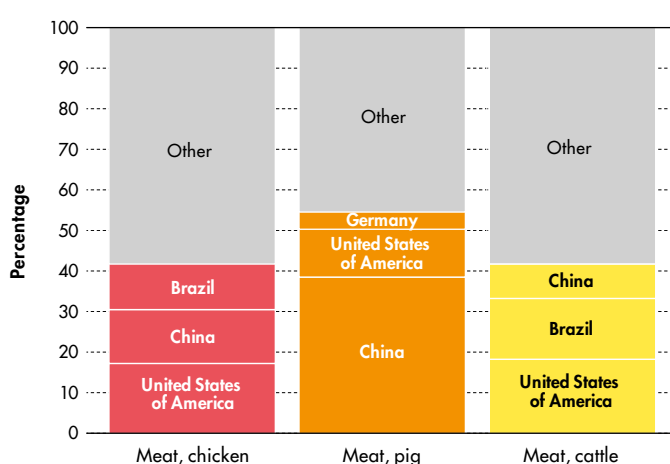
Note: Percentages on the figure indicate the shares in the total; they may not tally due to rounding.
Source: FAO. 2022. FAOSTAT: Production: Crops and livestock products. In: FAO. Rome. Cited October 2022.
<https://www.fao.org/faostat/en/#data/QCL>
<https://doi.org/10.4060/cc2211en-fig25>

FIGURE 26.
WORLD PRODUCTION OF MEAT, MAIN ITEMS



Note: Percentages on the figure indicate the shares in the total; they may not tally due to rounding.
Source: FAO. 2022. FAOSTAT: Production: Crops and livestock products. In: FAO. Rome. Cited October 2022. <https://www.fao.org/faostat/en/#data/QCL>
<https://doi.org/10.4060/cc2211en-fig26>

FIGURE 27.
WORLD PRODUCTION OF MAIN MEAT ITEMS, MAIN PRODUCERS (2020)



Source: FAO. 2022. FAOSTAT: Production: Crops and livestock products. In: FAO. Rome. Cited October 2022 <https://www.fao.org/faostat/en/#data/QCL>
<https://doi.org/10.4060/cc2211en-fig27>

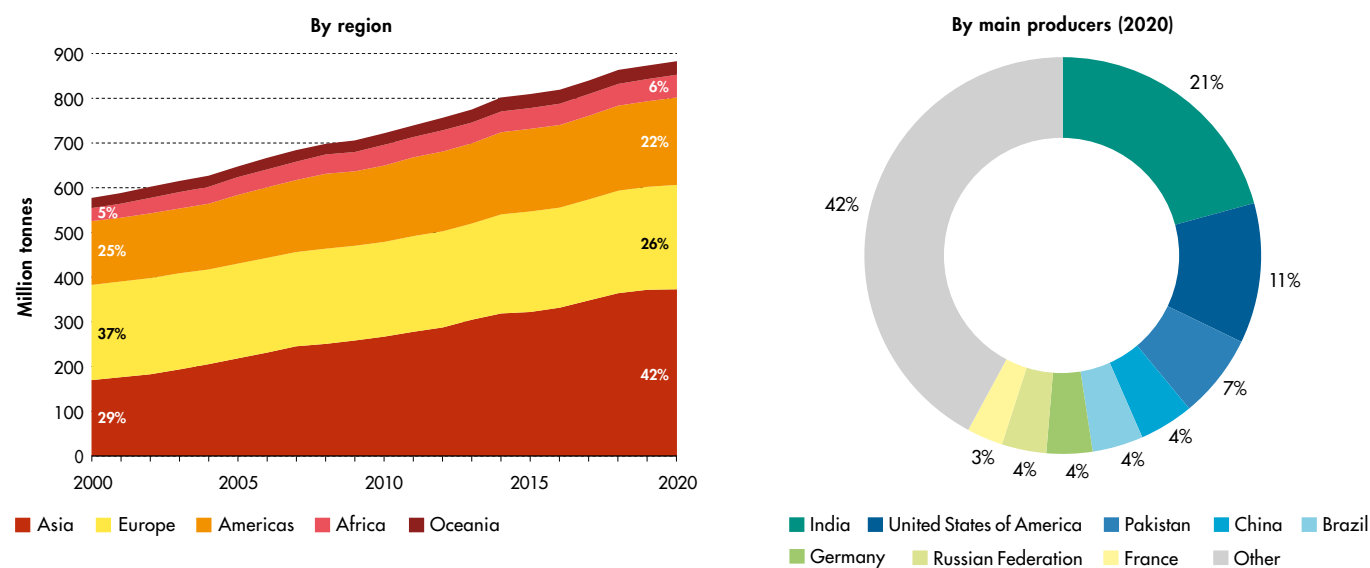
The market concentration of meat production is not as strong as for primary crops and vegetable oils, even though the top three producers accounted for 55 percent of world pig meat production and 42 percent of global chicken and cattle meat production in 2020 (see **FIGURE 27** and **TABLE 21**). China and the United States of America are among the three largest producers for each main meat type: in particular, China alone accounted for 38 percent of world pig meat in 2020, and the United States of America produced 17 to 18 percent of world chicken and cattle 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

World milk production rose by 53 percent to 887 million tonnes

in 2020, an increase of 307 million tonnes compared with 2000 (see **FIGURE 28**). Asia was the largest milk-producing region in 2020 with a 42 percent share of the total, ahead of Europe (26 percent), the Americas (22 percent), Africa (6 percent) and Oceania (3 percent). In particular, milk production in Asia went up 120 percent between 2000 and 2020, from 170 million tonnes to 374 million tonnes mostly due to the increase in India (104 million tonnes), which was the largest producer with a 21 percent share of the global total in 2020. With an 11 percent share, the United States of America was the second largest producer; the other main producers (Pakistan, China, Brazil, Germany, the Russian Federation and France) each accounted for 3 to 7 percent of the global production. The combined share of the top three milk producers was 39 percent of the total, the same as in 2019 (see **TABLE 23**).

In 2020, world hen eggs production reached 87 million tonnes, a 69 percent increase from the 2000 level, which translates into an additional 36 million tonnes over the period (see **FIGURE 29**). Asia was by far the main producing region, accounting for 62 percent of the global production in 2020, followed by the Americas (20 percent), Europe (13 percent), Africa (4 percent) and Oceania (0.4 percent). Production growth rates were well above 65 percent in all the regions but Europe, where it grew by just 18 percent (see **TABLE 24**); as a result, its share in the world total dropped from 18 percent to 13 percent. With 35 percent of the total, China ranked as the largest hen egg producing country; the other main producers (the United States of America, India, Indonesia, Brazil, Mexico, Japan and the Russian Federation) combined did not surpass it. Together, the top three producers accounted for nearly half the global hen eggs production in 2020.

FIGURE 28.
WORLD PRODUCTION OF MILK



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

Source: FAO. 2022. FAOSTAT: Production: Crops and livestock products. In: FAO. Rome. Cited October 2022. <https://www.fao.org/faostat/en/#data/QCL>
<https://doi.org/10.4060/cc2211en-fig28>

PRODUCTION OF THE FISHERIES AND AQUACULTURE SECTOR

Excluding algae, total world fisheries and aquaculture production showed a 41 percent growth in the 2000–2020 period, reaching 178 million tonnes in 2020, slightly below the record 179 million tonnes of 2018. This represents an overall expansion of 52 million tonnes compared to 2000. In 2020, the total fisheries and aquaculture production (excluding algae) rose slightly (+0.2 percent) compared with 2019 but was down 0.7 percent from the record high reached in 2018.

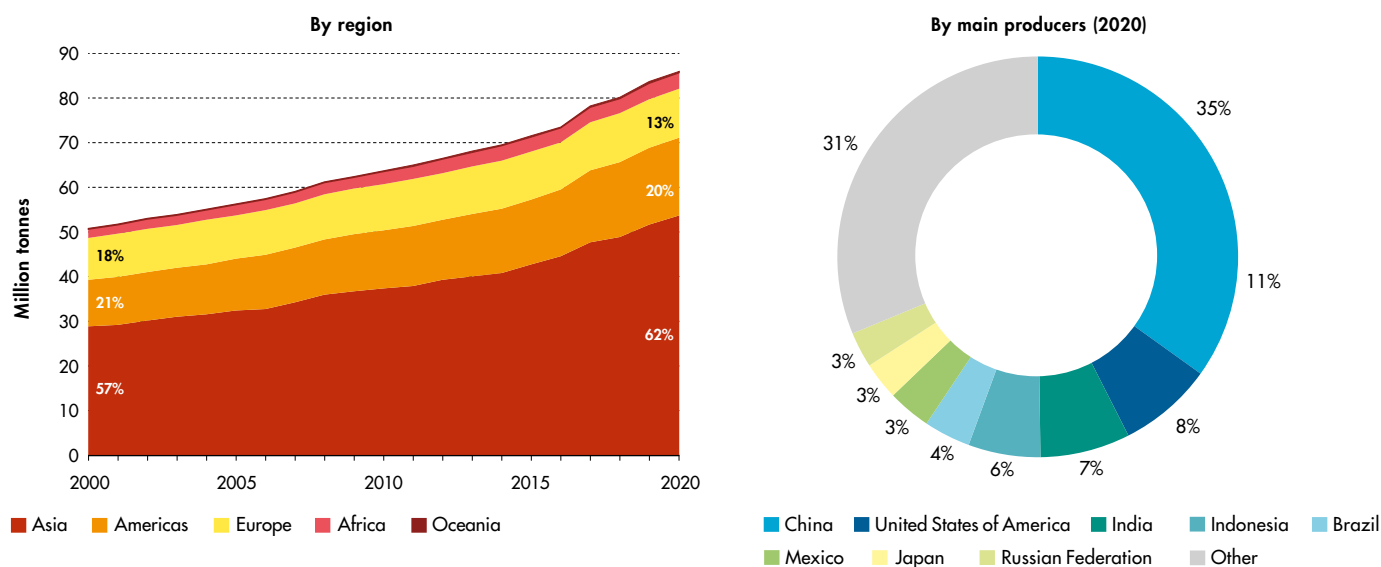
A large number of species are harvested every year, with the quantities and specific species varying from country to country. Finfish (freshwater, diadromous and marine fish) had a share of 76 percent of the total in 2020, with a slight decline compared to

79 percent in 2000. With 39 percent of the total, marine fish were the main group of species produced in 2020, followed by freshwater fish (33 percent), molluscs (13 percent) and crustaceans (10 percent) (see **TABLE 25**). Thanks to the expansion of aquaculture production, freshwater fish experienced major growth, more than doubling (+138 percent) between 2000 and 2020, going from about 25 million tonnes in 2000 (19 percent of the total) to 58 million tonnes in 2020 (33 percent of the total). Other major increases were experienced by crustaceans (+120 percent) and diadromous fish (+93 percent).

The significant expansion of the fisheries and aquaculture production came with many transformations, including changes in the source of production being increasingly dependent 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 5.1 percent per year in the period 2000–2020, reaching a record 87.5 million tonnes in 2020. 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 inter-annual fluctuations in the range of 3 to 6 million tonnes. These fluctuations have been mainly determined by variations in catches of anchoveta in South America, particularly affected by climatic change variability, but they also depended on the productivity of ecosystems, fishing intensity management and fish stock status. In 2020, capture fisheries production reached 90.3 million tonnes, down from its 2018 peak of 96.5 million tonnes, representing 51 percent of total production. Aquaculture

FIGURE 29.
WORLD PRODUCTION OF HEN EGGS



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

Source: FAO. 2022. FAOSTAT: Production: Crops and livestock products. In: FAO. Rome. Cited October 2022. <https://www.fao.org/faostat/en/#data/QCL>
<https://doi.org/10.4060/cc2211enfig29>

accounted for 49 percent of the global total. Yet, its share in total production varied significantly across continents, going from over 62 percent in Asia in 2020 to 20 percent in the Americas, 19 percent in Europe and 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 about 70 percent of total production in 2020 compared to 57 percent in 2000. In 2020, the Americas had a share of 12 percent, followed by Europe (10 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 2020, compared with 30 percent in 2000. In 2020, other major producers were Indonesia and India, and these three countries together represented

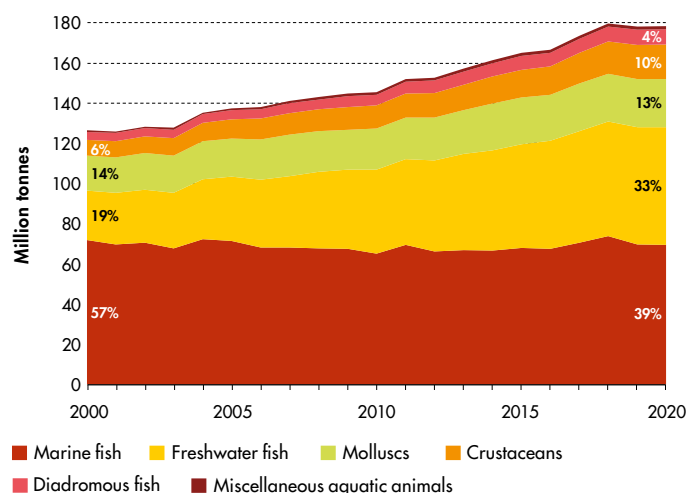
51 percent of total fisheries and aquaculture production. These three countries were also the dominant producers for aquaculture, while for capture fisheries China and Indonesia were followed by Peru in 2020. The overall share of the top three producers was 73 percent of aquaculture and 29 percent of capture fisheries in 2020. 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, 36.2 million tonnes of algae were produced in 2020, the bulk of which (97 percent) originating from culture-based practices. If algae are included, the overall fisheries and aquaculture production reached 214 million tonnes in 2020, with aquaculture representing 57 percent of the total.

PRODUCTION OF THE FORESTRY SECTOR

Global production of roundwood rose from 3.5 billion m³ in 2000 to 3.9 billion m³ in 2020, which represents a 12 percent increase over the period but a 3 percent decrease from the 2018 peak due to the decrease in industrial roundwood (see **FIGURE 33**). In 2020, wood fuel was the main product with a 49 percent share of the total (1.9 billion m³), followed by coniferous industrial roundwood with 29 percent (1.1 billion m³) and non-coniferous industrial roundwood with 21 percent (0.8 billion m³). In particular, the rebound has remained strong after the decline in coniferous industrial roundwood production in 2009, which resulted in the lowest total roundwood production during the 2000–2020 period. As seen in **TABLE 27**, Asia and the Americas are the two main

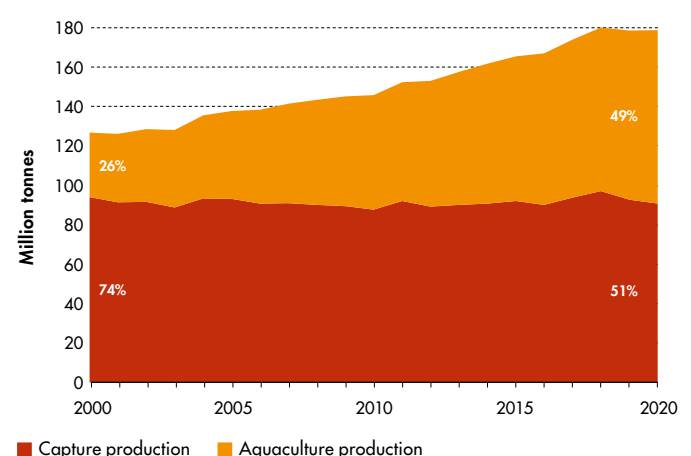
FIGURE 30.
WORLD CAPTURE FISHERIES AND AQUACULTURE PRODUCTION
BY SPECIES GROUP



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

Source: FAO. 2022. Fisheries and Aquaculture: Global production by production source Quantity (1950 - 2020). In: FAO. Rome. Cited October 2022.
https://www.fao.org/fishery/statistics-query/en/global_production/global_production_quantity
<https://doi.org/10.4060/cc2211en-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 on the figure indicate the shares in the total; they may not tally due to rounding.

Source: FAO. 2022. Fisheries and Aquaculture: Global production by production source Quantity (1950 - 2020). In: FAO. Rome. Cited October 2022.
https://www.fao.org/fishery/statistics-query/en/global_production/global_production_quantity
<https://doi.org/10.4060/cc2211en-fig31>

producing regions, accounting for 30 and 27 percent of the total roundwood production, respectively; Africa and Europe have similar shares of 20–21 percent, while Oceania produces the remaining 2 percent.

The share of the combined three main producers of roundwood commodities in 2020 was roughly 30 percent for wood fuel, 40 percent for non-coniferous industrial roundwood and 50 percent for coniferous industrial roundwood (see **FIGURE 34**).

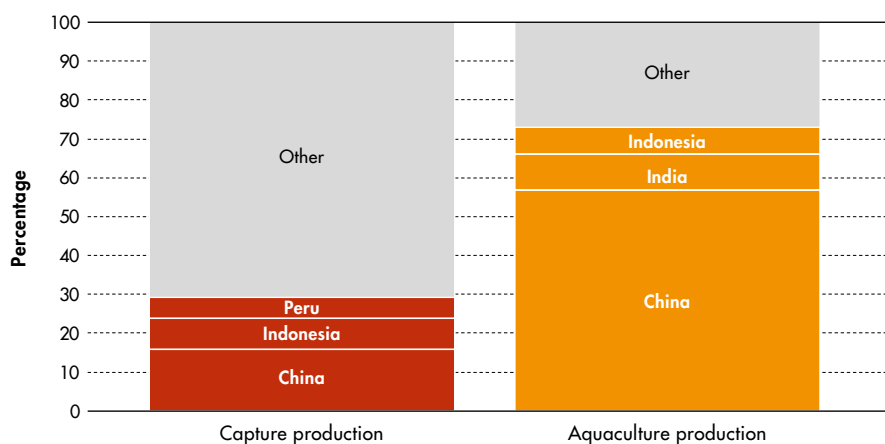
Many lower- and middle-income countries rely on wood for energy purposes (notably cooking). The largest producers are all in these income groups and have large populations with a high reliance on wood for energy: in 2020, India ranked first with 301 million m³ (16 percent of total production), followed by China

with 157 million m³ and Brazil with 123 million m³ (respectively 8 percent and 6 percent of global production). **TABLE 27** shows that five African countries are included in the top 10: Ethiopia, the Democratic Republic of

the Congo, Nigeria, Ghana and Uganda.

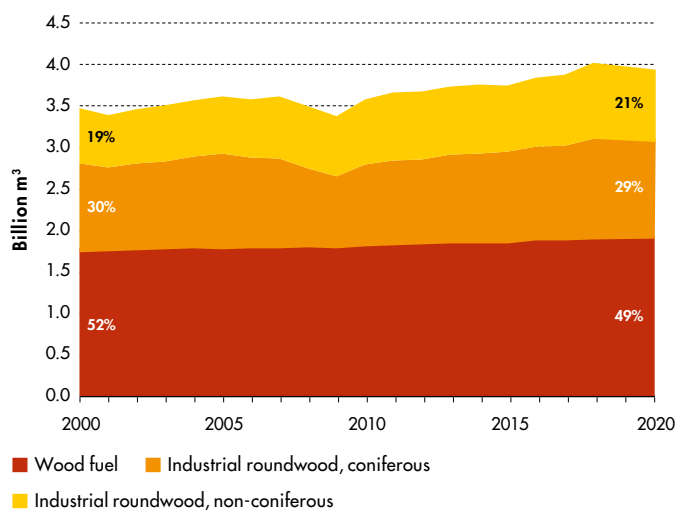
The main industrial roundwood producers are all countries with a large forest area and a well-established logging

FIGURE 32.
WORLD CAPTURE FISHERIES AND AQUACULTURE PRODUCTION BY MAIN PRODUCERS (2020)



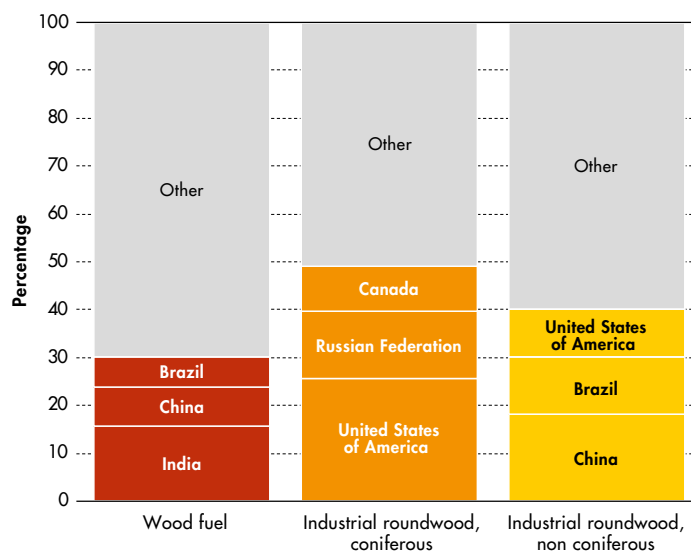
Note: Excludes aquatic mammals, crocodiles, alligators and caimans, pearls and shells, corals, sponges and algae.
Source: FAO. 2022. Fisheries and Aquaculture: Global production by production source Quantity (1950 - 2020). In: FAO. Rome. Cited October 2022. https://www.fao.org/fishery/statistics-query/en/global_production/global_production_quantity
<https://doi.org/10.4060/cc2211en-fig32>

FIGURE 33.
WORLD PRODUCTION OF ROUNDWOOD BY TYPE



Note: Percentages on the figure indicate the shares in the total; they may not tally due to rounding.
Source: FAO. 2022. FAOSTAT: Forestry Production and Trade. In: FAO. Rome. Cited October 2022. <https://www.fao.org/faostat/en/#data/FO>
<https://doi.org/10.4060/cc2211en-fig33>

FIGURE 34.
WORLD PRODUCTION OF ROUNDWOOD BY TYPE, MAIN PRODUCERS (2020)



Source: FAO. 2022. FAOSTAT: Forestry Production and Trade. In: FAO. Rome. Cited October 2022. <https://www.fao.org/faostat/en/#data/FO>
<https://doi.org/10.4060/cc2211en-fig34>

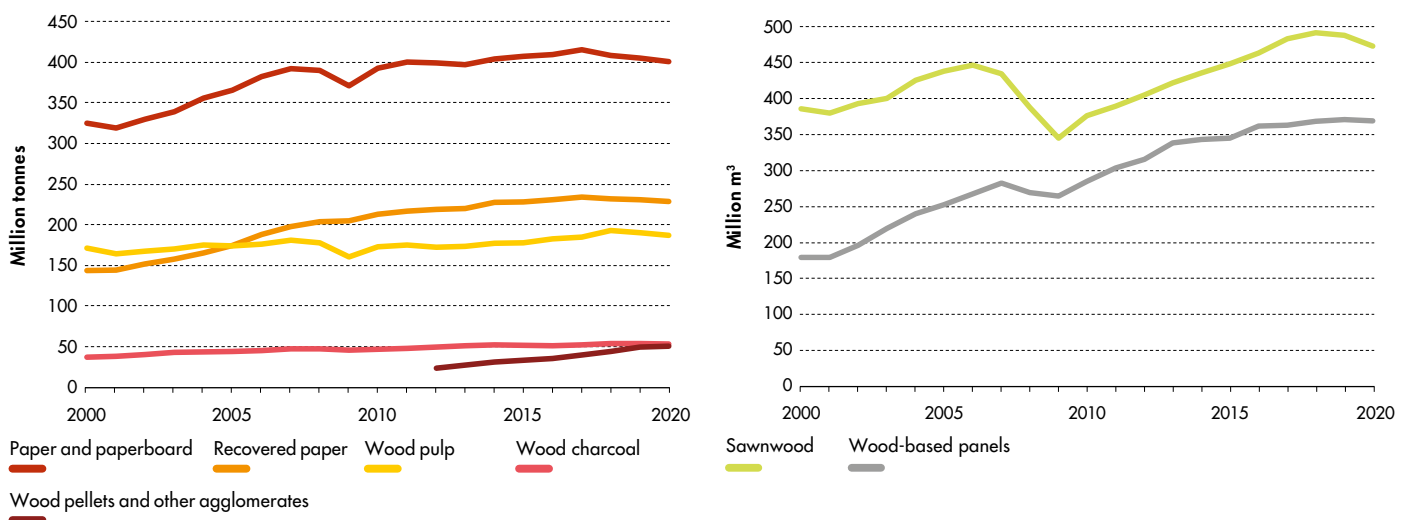
industry. In the case of coniferous industrial roundwood, the top producers in 2020 were the United States of America, with a production of 293 million m³ (26 percent of the total production), followed by the Russian Federation with 161 million m³ (14 percent) and Canada with 108 million m³ (9 percent). China led the production of non-coniferous industrial roundwood in 2020, with 152 million m³ (18 percent of the global production), followed by Brazil (101 million m³, or 12 percent) and Indonesia (83 million m³, or 10 percent).

FIGURE 35 and **TABLE 28** show the production of the main products derived from wood. The production of paper and paperboard declined for the third consecutive year, reaching 401 million tonnes – a decrease

of 3.4 percent over the 2017 production. Recovered paper production also continued to decline, with a production of 229 million tonnes in 2020 (-2.3 percent over the 2017 production). 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. These trends were already evident before the pandemic but appear to have been exacerbated in 2020. In total, between 2000 and 2020, paper and paperboard increased by 24 percent and recovered paper by 59 percent. Wood pulp production dropped by 3.2 percent to 186 million tonnes in 2020

compared to its 2018 peak, but it is still up 9 percent compared to 2000. The production of wood charcoal reached 53 million tonnes in 2020, up 45 percent from the 2000 level. Wood pellets and other agglomerates, for which data collection was started in 2012, show steady growth with a production record of 50 million tonnes in 2020, an increase of 116 percent since the 23 million tonnes produced in 2012. World production of sawnwood recovered strongly from its low point of 2009 but declined for the second year in a row from its 2018 record, to 473 million m³ in 2020, an increase of 23 percent compared with 2000. The production of wood-based panels, which had steadily increased since 2009, dipped slightly in 2020 compared to 2019; the 368 million m³ produced in 2020 still represent a 107 percent increase from the 2000 production.

FIGURE 35.
WORLD PRODUCTION OF SELECTED FOREST PRODUCTS



Source: FAO. 2022. FAOSTAT: Forestry Production and Trade. In: FAO. Rome. Cited October 2022. <https://www.fao.org/faostat/en/#data/FO>
<https://doi.org/10.4060/cc2211en-fig35>

TRADE

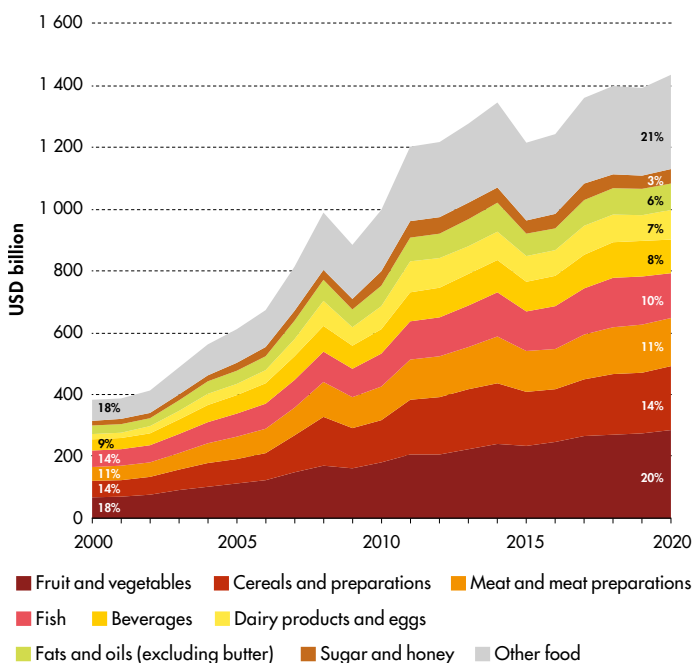
The monetary value of global food exports multiplied by 3.7 in nominal terms between 2000 and 2020, from about USD 380 billion in 2000 to USD 1.42 trillion in 2020, with strong increases in all food commodity groups (see **FIGURE 36**). Fruit and vegetables accounted for 20 percent of the total value of food exports in 2020, followed by cereals and preparations (14 percent). Fish and meat each had a share of 10–11 percent. As seen in **TABLE 29**, the United States of America was the largest food exporter in 2020 with 9 percent of the total, followed by the Netherlands (6 percent) and China (5 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 121 billion surplus in 2020, and Asia as the largest net importer, posting a USD 197 billion deficit in 2020 (see **FIGURE 37**). Oceania remained a net exporter of food during the 2000–2020 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 overtook Oceania in 2020. As seen in **TABLE 30**, the largest net exporting countries in 2020 are Brazil (+USD 63 billion), Argentina (+USD 23 billion) and Spain (+USD 22 billion). Looking at

TABLE 29, Brazil derives a large share of its food exports from soybeans (included in the “Other food” category), Argentina from cereals and Spain from fruit and vegetables. The largest net importing countries are China (-USD 114 billion), Japan (-USD 50 billion) and the United Kingdom of Great Britain and Northern Ireland (-USD 32 billion). **TABLE 31** shows that meat accounts for the larger share of China’s and Japan’s food imports, while fruit and vegetables are the United Kingdom’s main food import.

Trade flows vary considerably between regions and commodity groups (see **FIGURE 38**). The largest individual flows are observed for fruit and vegetables, with Europe

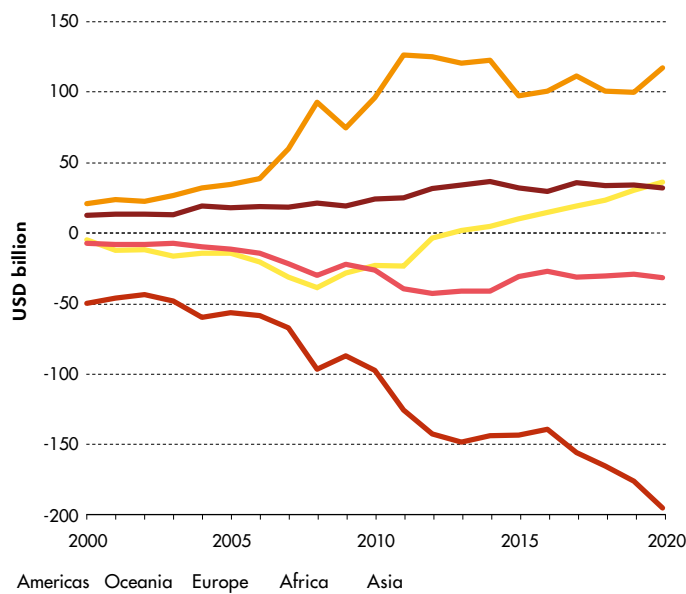
FIGURE 36.
VALUE OF WORLD FOOD EXPORTS BY GROUP



Note: Values for fish exclude trade of aquatic mammals, crocodiles, alligators and caimans, fishmeal, fish oil, ornamental fish, fish for culture and algae. Percentages on the figure indicate the shares in the total; they may not tally due to rounding.

Source: FAO. 2022. FAOSTAT: Trade: Crops and livestock products. In: FAO. Rome. Cited October 2022. <https://www.fao.org/faostat/en/#data/TCL> and FAO. 2022. Fisheries and Aquaculture: Global fish trade - All partners aggregated Value (1976 - 2020). In: FAO. Rome. Cited October 2022. https://www.fao.org/fishery/statistics-query/en/trade/trade_value <https://doi.org/10.4060/cc2211en-fig36>

FIGURE 37.
FOOD NET TRADE BY REGION



Note: Values for fish exclude trade of aquatic mammals, crocodiles, alligators and caimans, fishmeal, fish oil, ornamental fish, fish for culture and algae.

Source: FAO. 2022. FAOSTAT: Trade: Crops and livestock products. In: FAO. Rome. Cited October 2022. <https://www.fao.org/faostat/en/#data/TCL> and FAO. 2022. Fisheries and Aquaculture: Global fish trade - All partners aggregated Value (1976 - 2020). In: FAO. Rome. Cited October 2022. https://www.fao.org/fishery/statistics-query/en/trade/trade_value <https://doi.org/10.4060/cc2211en-fig37>

importing USD 138 billion and exporting USD 101 billion in 2020. 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, fish and fruit and vegetables, the main importer was Europe. For all commodity groups but three, Europe was the main exporter; Asia led for fats and oils and fish, and the Americas led for sugar and honey. Meat and meat preparations and cereals and preparations are the commodity group with the largest net trade deficit and surplus, respectively: Asia's trade deficit for meat was USD 59 billion, while Europe's surplus for cereals was USD 37 billion. In 2020, Asia was a net importer of all commodity groups but fish, and Africa was a net importer of all commodity groups

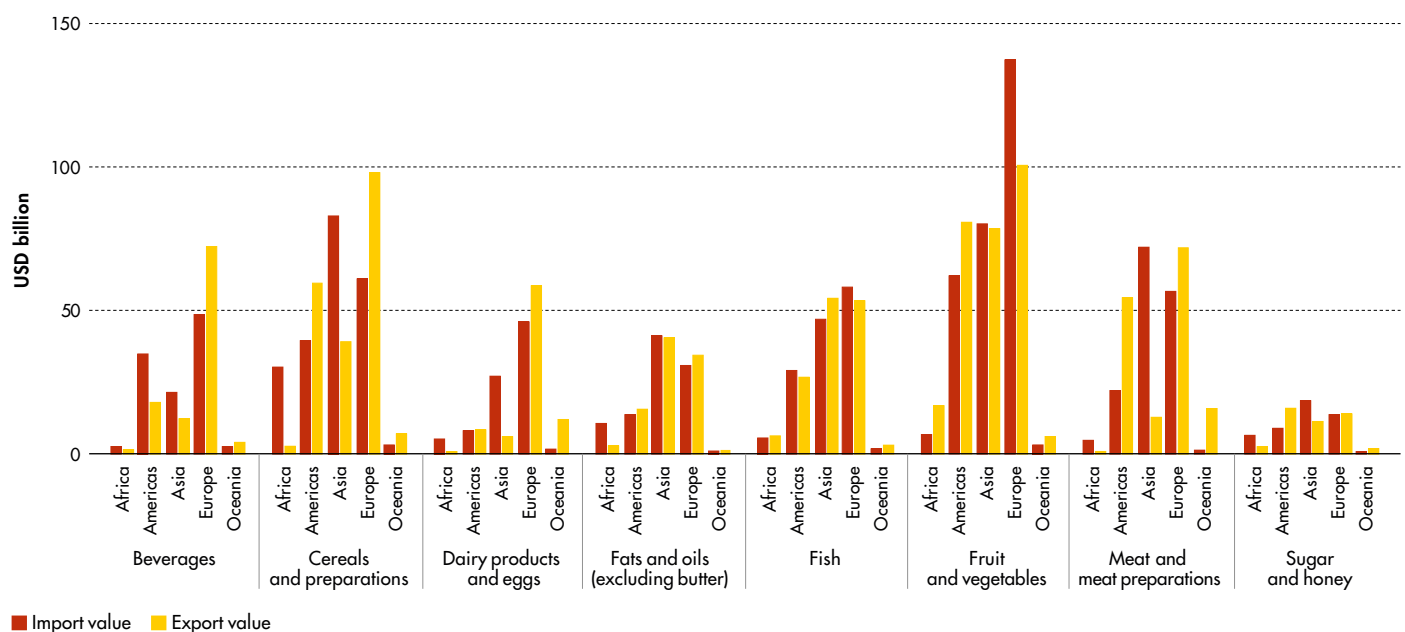
but fish, and fruit and vegetables. Oceania was a net exporter of all commodity groups in 2020. The Americas and Europe were net exporters of most groups, but each had significant net imports in one category: the Americas had a deficit of USD 17 billion for beverages and Europe had one of USD 37 billion 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 commodity group, with exports reaching a record high of 492 million tonnes in 2020 (see **FIGURE 39** and **TABLE 32**). This is 231 million tonnes, or 88 percent more than in 2000, and 42 million tonnes (9 percent) higher than the 2019 exports. In 2020, wheat became again

the most exported cereal (40 percent), slightly ahead of maize (39 percent). Together with rice (9 percent), these three crops accounted for 89 percent of all exports in 2020, with the exports of maize growing much faster (+134 percent) than those of rice (+95 percent) and wheat (+69 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 2020, the top three exporters accounted for significant shares of the total exports: 64 percent for maize, 57 percent for rice and 45 percent for wheat. In comparison, the top three importers accounted for 15 to 26 percent of the total imports for these commodities.

FIGURE 38.
FOOD IMPORTS AND EXPORTS BY MAIN GROUPS AND REGION (2020)



Note: Values for fish exclude trade of aquatic mammals, crocodiles, alligators and caimans, fishmeal, fish oil, ornamental fish, fish for culture and algae.

Source: FAO. 2022. FAOSTAT: Trade: Crops and livestock products. In: FAO. Rome. Cited October 2022. <https://www.fao.org/faostat/en/#data/TCL> and FAO. 2022. Fisheries and Aquaculture: Global fish trade - All partners aggregated Value (1976 - 2020). In: FAO. Rome. Cited October 2022. https://www.fao.org/fishery/statistics-query/en/trade/trade_value <https://doi.org/10.4060/cc2211en-fig38>

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 (TABLES 20 and 32); it is also the largest importer of rice.

The nominal value of global forest products exports declined in 2020 for the second consecutive year, to USD 226 billion. This represents an increase of USD 81 billion, or 56 percent, compared with 2000, but a decrease of USD 47 billion, or 17 percent, from the record high USD 273 billion of 2018 (see FIGURE 41 and TABLE 34).

With 39 percent of the total value, paper and paperboard was the most traded commodity in 2020, even though its share has steadily declined from 48 percent in 2000. Sawntwood, wood-based panels and pulp for paper each

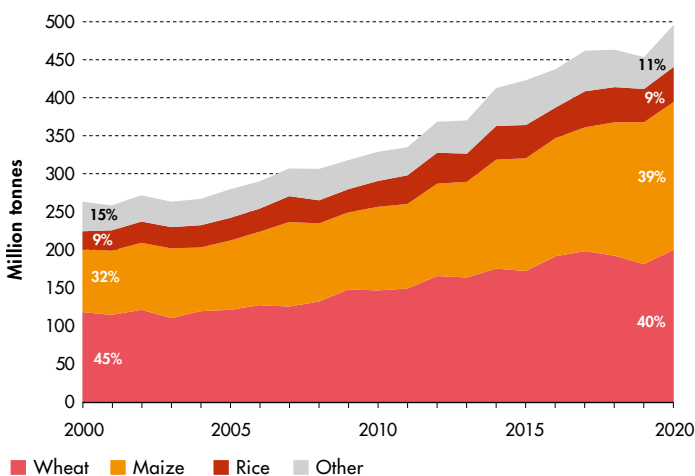
represented 13 to 16 percent of the value of forestry exports in 2020, with small changes compared to their 2000 shares.

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 85.4 points to 138 points in August 2022 (see FIGURE 42 and TABLE 35). The FAO Food Price Index spiked in 2007/2008 during the food security crisis that saw the price of cereals reach record levels, especially rice

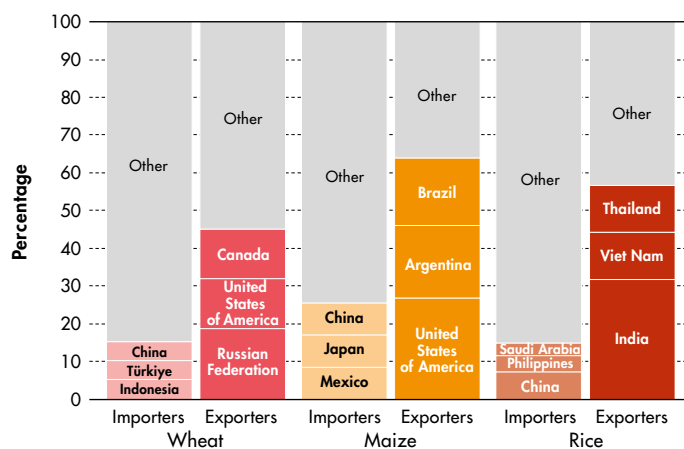
and wheat. Food prices soared again in late 2010 and early 2011 (especially sugar and dairy). Overall, the period of sustained high prices lasted much longer than in the previous commodity price booms and busts with the return to the pre-surge price levels only five years later, in January 2016. The 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 159.7 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 for five consecutive

FIGURE 39.
WORLD EXPORTS OF CEREALS BY MAIN COMMODITIES



Note: Percentages on the figure indicate the shares in the total; they may not tally due to rounding.
Source: FAO. 2022. FAOSTAT: Trade: Crops and livestock products. In: FAO. Rome. Cited October 2022. <https://www.fao.org/faostat/en/#data/TCL>
<https://doi.org/10.4060/cc2211en-fig39>

FIGURE 40.
MAIN TRADED CEREALS, TOP IMPORTERS AND EXPORTERS (QUANTITIES, 2020)

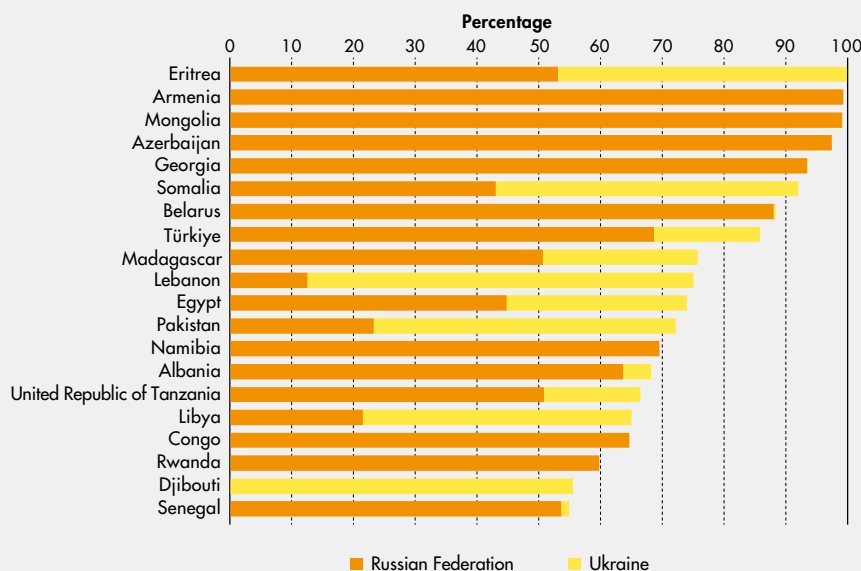


Source: FAO. 2022. FAOSTAT: Trade: Crops and livestock products. In: FAO. Rome. Cited October 2022. <https://www.fao.org/faostat/en/#data/TCL>
<https://doi.org/10.4060/cc2211en-fig40>

BOX 3.
FOCUS ON THE IMPACT OF THE WAR IN UKRAINE ON GLOBAL FOOD SECURITY – WHEAT TRADE

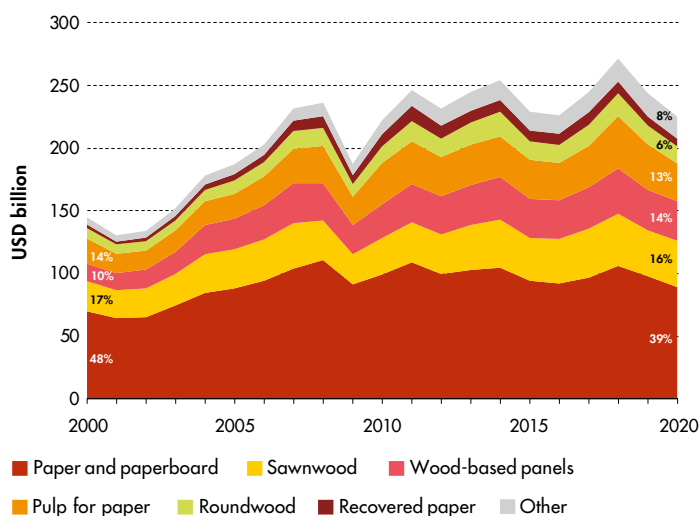
The Russian Federation and Ukraine are among the main producers and exporters of key agricultural commodities such as cereals – in particular wheat, maize and barley – and sunflower oil. Disruptions to Ukrainian production and exports, and to Russian exports, may compromise food security in countries sourcing imports from either of the belligerents, compounding the effects of increasing food prices. The most recent data show that 25 countries depended on the Russian Federation and Ukraine for at least 50 percent of their wheat imports in 2021 (with Eritrea at 100 percent, split almost evenly between the two). Countries in Africa and Western Asia appear especially vulnerable, even more so the Low-Income Food Deficit Countries (LIFDC). Simulations suggest that the number of undernourished people in 2022 has increased by 7.6–13.1 million.¹⁶

FIGURE B3.
WHEAT IMPORT DEPENDENCY, TOP NET IMPORTERS (2021)



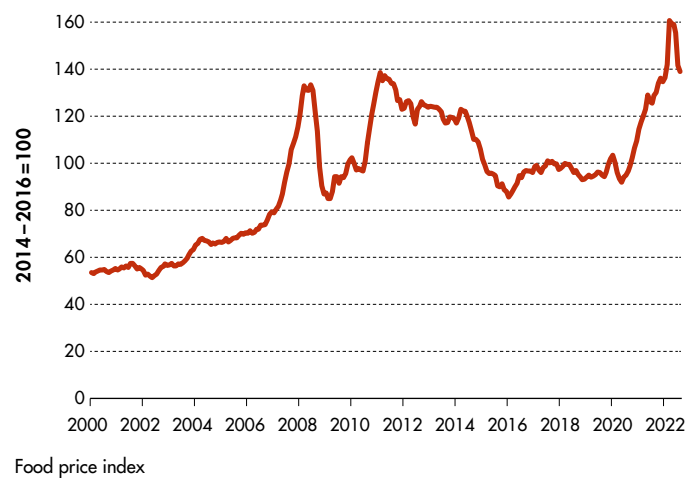
Source: Adapted from FAO. 2022. *Information Note – The importance of Ukraine and the Russian Federation for global agricultural markets and the risks associated with the war in Ukraine (10 June 2022 Update)*. Rome. <http://www.fao.org/3/cb9013en/cb9013en.pdf>
<https://doi.org/10.4060/cc2211en-figB3>

FIGURE 41.
VALUE OF WORLD FOREST PRODUCT EXPORTS



Note: Percentages on the figure indicate the shares in the total; they may not tally due to rounding.
Source: FAO. 2022. FAOSTAT: Forestry Production and Trade. In: FAO. Rome. Cited October 2022.
<https://www.fao.org/faostat/en/#data/FO>
<https://doi.org/10.4060/cc2211en-fig41>

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



Source: FAO. 2022. FAO Food Price Index. In: FAO. Rome. Cited October 2022.
<https://www.fao.org/worldfoodsituation/foodpricesindex/en/>
<https://doi.org/10.4060/cc2211en-fig42>

months to 138 points – still above the level of 2007/2008 or 2011.

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 rates dynamics, drive the evolution of international prices. The indices for vegetable oils, cereals and dairy show the largest increases since the beginning of 2019. The indices for oils and sugar also experienced a sharp drop during the first months of 2020 (as the COVID-19 pandemic disrupted international food markets) followed by a doubling over the following 16 months. The indices for cereals and oils peaked in the first half of 2022, as the war between the Russian Federation and Ukraine

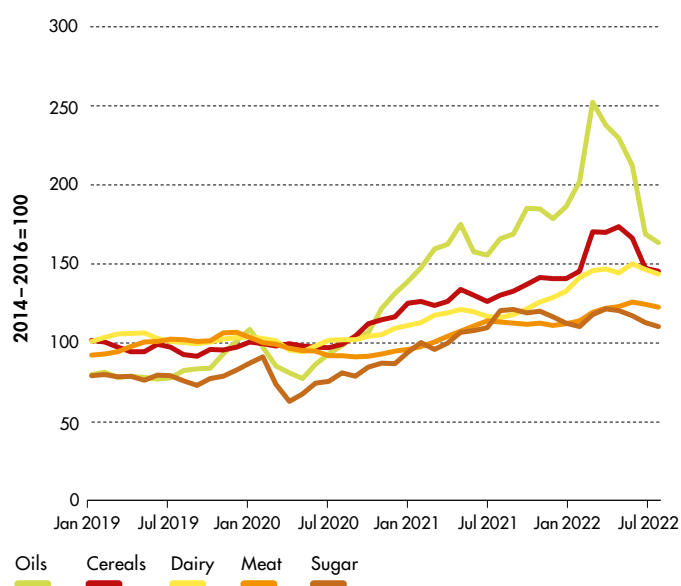
reduced the exports from these key exporters of wheat and sunflower oil; the resumption of Ukrainian exports and better production prospects contributed to the drop in the indices until August 2022.

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. Since January 2000, it went up from 65.5 to 119.6 points in August 2022. 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 2022, the indices of all five commodity groups experienced an increase compared with the same period in 2021, with a brief peak between April and June 2022. However, the magnitude of these rises differed significantly across commodity groups, with the smallest increases observed for tuna and shrimp and the largest ones for whitefish and salmon.

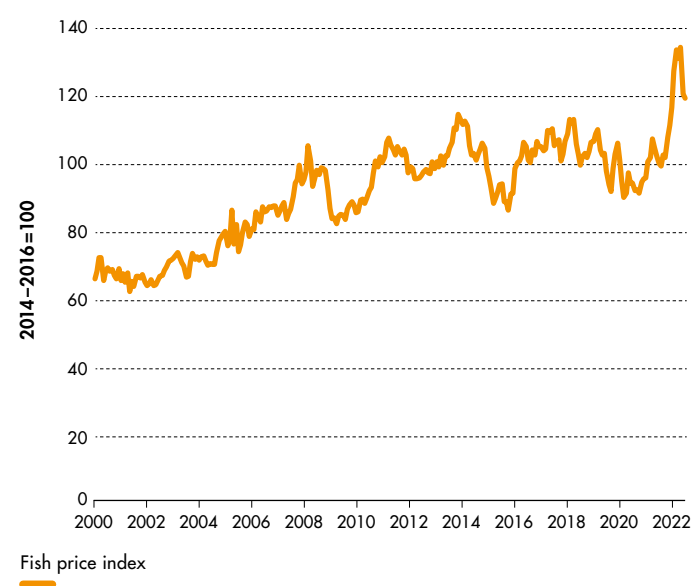
At the country level, changes in domestic prices received by agricultural producers varied between -14 percent (in Saudi Arabia) and +29 percent (in Kuwait) in 2021 compared

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



Source: FAO. 2022. FAO Food Price Index. In: FAO. Rome. Cited October 2022.
<https://www.fao.org/worldfoodsituation/foodpricesindex/en/>
<https://doi.org/10.4060/cc2211en-fig43>

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



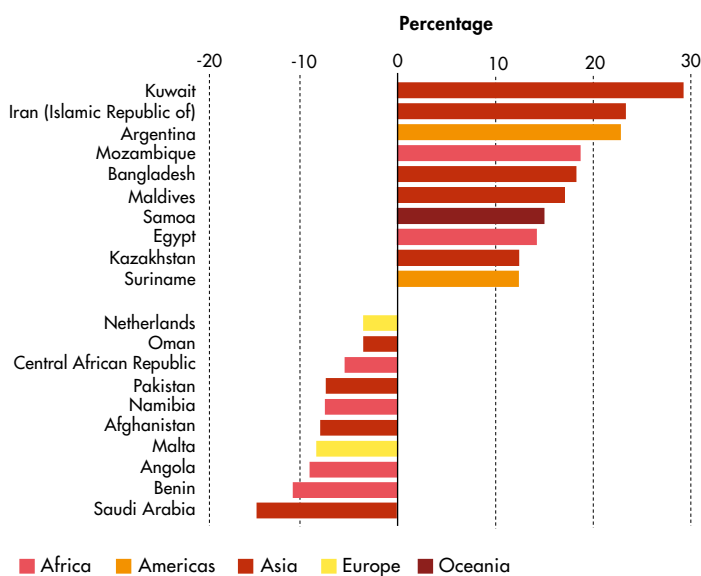
Source: FAO.
<https://doi.org/10.4060/cc2211en-fig44>

with 2020 (see **FIGURE 45** and **TABLE 36**). The largest fluctuations, either up or down, often took place in Asia and Africa. 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.

The increase in consumer prices hit record high levels for all regions halfway through 2022, with steep increases since February 2022 (see **FIGURE 46** and **TABLE 37**). While the world average fluctuated between 1.5 percent and 3.4 percent between January 2016 and the beginning of 2019, it then increased steadily to peak at 6.9 percent in April 2020, when the COVID-19 pandemic started to affect the world economy. It then slowly decreased to 4.9 percent in April 2021, and steeply increased to 19.5 percent in June 2022. The inflation rate in Asia, which had remained below 6 percent until early 2021 except for a few months in 2019/2020, experienced a sharp increase from 5.6 percent in April 2021 to 25.8 percent in June 2022. Africa

experienced the highest inflation rate in food prices for most of the period, fluctuating around 17–18 percent for ten months in 2017 and exceeding this level in June 2022 (20.5 percent). In the Americas, the inflation rate slowly increased from -0.5 percent in January 2017 to 5 percent in March 2020; it remained on a plateau around 8 percent for the following 12 months, then briefly declined and surged to 19.4 percent in June 2022. Europe and Oceania had similar trends, with inflation stable at low levels until the pandemic caused a brief increase, followed by months of slow decline and then a sustained increase starting in March/April 2021 to regional records in June 2022 (11.8 percent in Europe and 5.8 percent in Oceania).

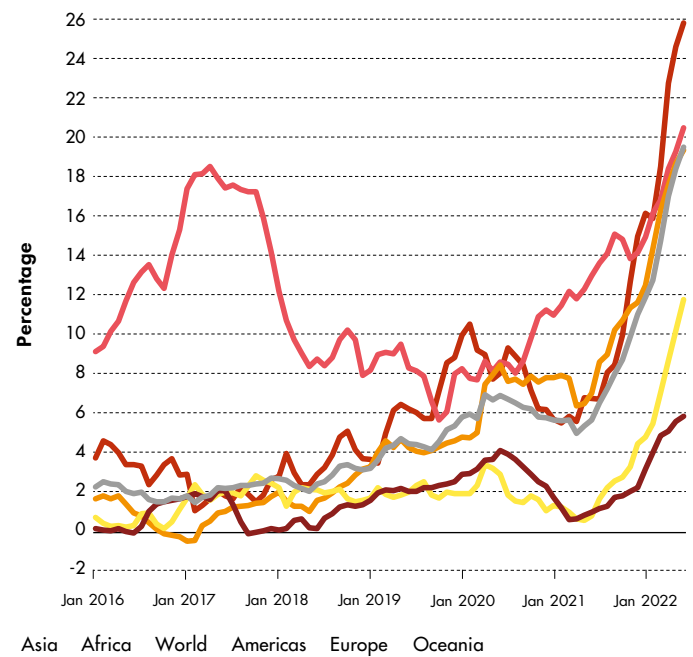
FIGURE 45.
ANNUAL CHANGES IN PRICES RECEIVED BY FARMERS, TOP AND BOTTOM COUNTRIES (2021)



Note: Values for 2021 are projections.

Source: FAO. 2022. FAOSTAT: Producer prices. In: FAO. Rome. Cited October 2022.
<http://www.fao.org/faostat/en/#data/PP>
<https://doi.org/10.4060/cc2211en-fig45>

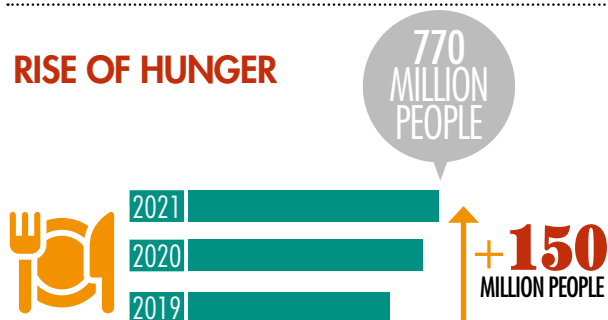
FIGURE 46.
INFLATION IN FOOD CONSUMER PRICES BY REGION



Source: FAO. 2022. FAOSTAT: Consumer Price Indices. In: FAO. Rome. Cited October 2022.
<https://www.fao.org/faostat/en/#data/CP>
<https://doi.org/10.4060/cc2211en-fig46>

CHAPTER 3 KEY FACTS

RISE OF HUNGER



Hunger is still on the rise, with almost 770 million people undernourished in 2021, 46 million more than in 2020 and 150 million more than in 2019.

PREVALENCE OF UNDERNOURISHMENT



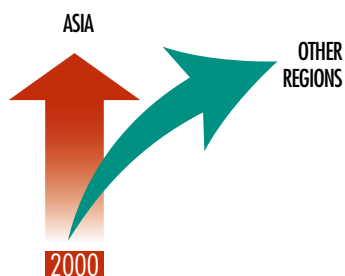
While most of the undernourished people live in Asia, Africa has the highest prevalence of undernourishment.

PREVALENCE OF FOOD INSECURITY



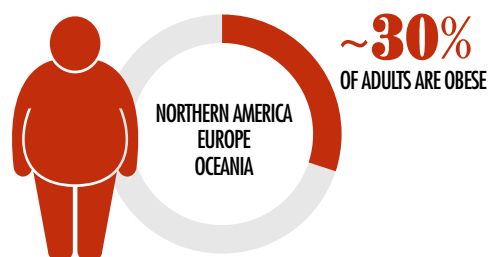
In every continent, the prevalence of moderate or severe food insecurity is slightly higher for women than for men, with the largest differences found in Latin America and the Caribbean.

DIETARY ENERGY SUPPLY



Dietary energy supply went up in all regions since 2000, with the fastest increases in Asia.

INCREASE OF OBESITY



Obesity has increased in all regions. Almost 30% of adults in Northern America, Europe and Oceania are obese.

3 FOOD SECURITY AND NUTRITION

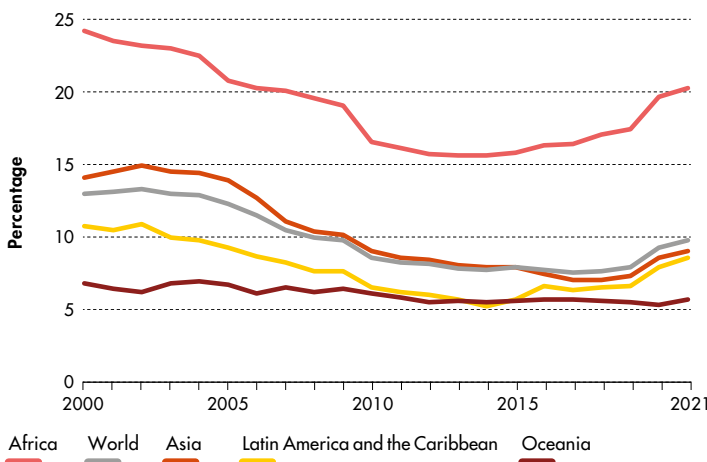
FOOD SECURITY

After a decades-long decline and five years of relative stability since 2014, the global level of the prevalence of undernourishment (PoU) has increased sharply between 2019 and 2020 and rose at a slower pace between 2020 and 2021, under the shadow of the COVID-19 pandemic (see **FIGURE 47** and **TABLE 38**). Nearly 10 percent of the world population suffered from hunger in 2021, compared with 9.3 percent in 2020 and 8 percent in 2019. The situation is most alarming in Africa, where the PoU is the highest among all regions and

has increased the most between 2019 and 2021 – by 2.8 percentage points. In 2021, 20.2 percent of the population in Africa were undernourished. The PoU in Latin America and the Caribbean, which was also increasing since 2014, went from 8 percent in 2020 to 8.6 percent in 2021. In Asia, the PoU has been mostly declining since 2002 and remained the second highest among all regions; the increase between 2020 and 2021 was just 0.5 percentage point, from 8.6 percent to 9.1 percent. The PoU in Oceania has stayed stable since 2014 at around 5.7 percent.

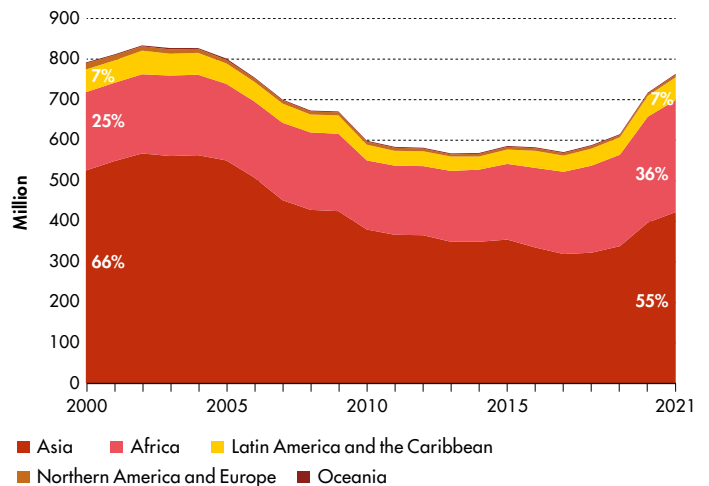
Between 702 and 828 million people in the world were still hungry in 2021. Considering the middle point of the projected range (almost 770 million), this is equivalent to 46 million additional people going hungry in one year and 150 million in two years (see **FIGURE 48**). While its PoU is the second highest, Asia is home to 55 percent of the world's hungry people due to its large population base, and the two countries with the largest number of hungry people are in Asia (see **TABLE 39**). Even though the number of hungry people in Asia declined

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. Projected values for 2020 and 2021 are based on the middle of the projected range.
Source: FAO. 2022. FAOSTAT: Suite of Food Security Indicators. In: FAO. Rome. Cited October 2022. <https://www.fao.org/faostat/en/#data/FS> <https://doi.org/10.4060/cc2211en-fig47>

FIGURE 48. NUMBER OF PEOPLE UNDERNOURISHED BY REGION



Note: Percentages on the figure indicate the shares in the total; they may not tally due to rounding. Projected values for 2020 and 2021 are based on the middle of the projected range.
Source: FAO. 2022. FAOSTAT: Suite of Food Security Indicators. In: FAO. Rome. Cited October 2022. <https://www.fao.org/faostat/en/#data/FS> <https://doi.org/10.4060/cc2211en-fig48>

by 36 percent, or 187 million, between 2000 and 2019, it went up 85 million between 2019 and 2021 to 425 million – almost halving the decrease between 2000 and 2021, to 19 percent. In Africa, 278 million people were undernourished in 2021, an increase of 22 percent, or 51 million people, from 2019, and a 42 percent increase from 2000. By contrast, the hungry population in Latin America and the Caribbean increased by 13 million, or 30 percent, from 2019, reaching 57 million in 2021, which is marginally higher than the 2000 value. The number of hungry people in Oceania increased by 14 percent, or 0.3 million people, during the 2000–2021 period, of which 0.2 million were added between 2020 and 2021.

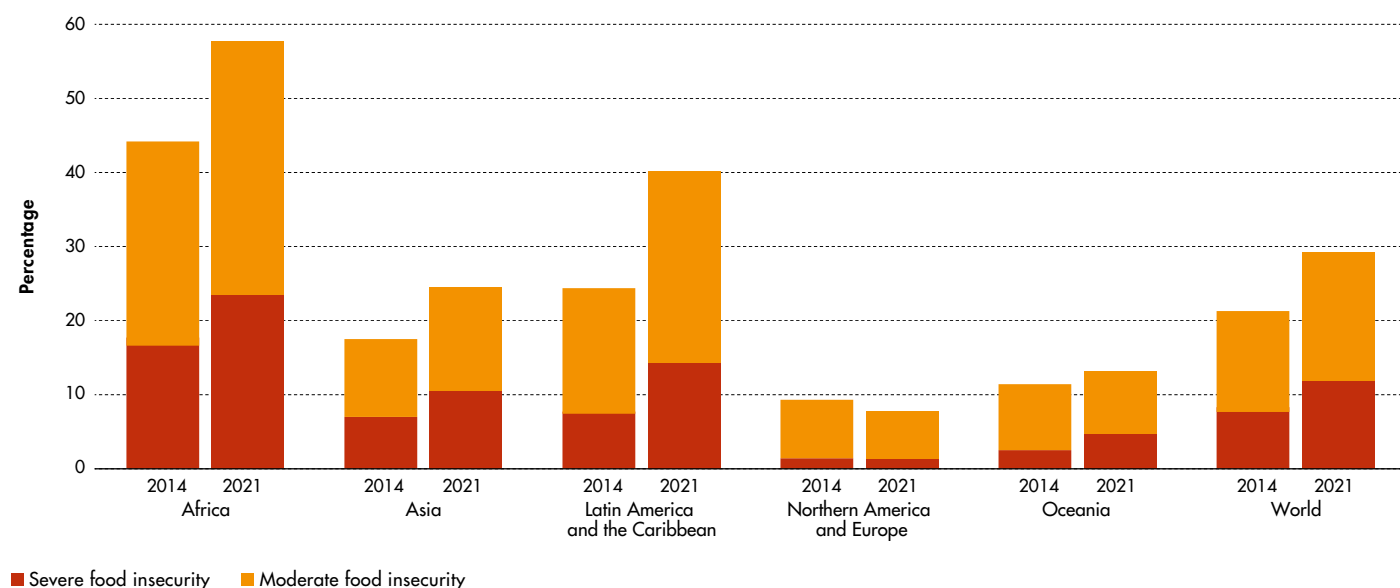
In 2021, 11.7 percent of the world population (924 million people) were exposed to severe food insecurity based on the Food

Insecurity Experience Scale (FIES) (see **FIGURE 49**). The levels and trends over the 2014–2021 period 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 2021, it is estimated that 17.6 percent of the world population, just under 1.4 billion people, have experienced food insecurity at moderate levels. This brings the total estimates for moderate or severe food insecurity in 2021 to 29.3 percent of the world population, or 2.3 billion people.

Similar to the PoU, moderate or severe food insecurity experienced a steep increase between 2019 and 2020 (equal to that of the previous five years combined) followed by a smaller one between 2020 and 2021.¹⁷ As seen in **TABLE 40**, moderate or severe food insecurity is much higher in Africa than in any other part of the world, affecting 57.9 percent of the population in 2021. This is followed by Latin America (40.6 percent), Asia (24.6 percent), Oceania (13 percent) and Northern America and Europe (8 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

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



Source: FAO. 2022. FAOSTAT: Suite of Food Security Indicators. In: FAO. Rome. Cited October 2022. <https://www.fao.org/faostat/en/#data/FS>
<https://doi.org/10.4060/cc2211en-fig49>

population. In Asia, Latin America and the Caribbean, Northern America and Europe, and 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 (4.2 percentage points for severe food insecurity, and 11.3 percentage points for moderate or severe food insecurity).

FOOD SUPPLY

The world average dietary energy supply (DES), measured as calories per capita per day, has been increasing steadily to around 2 960 kcal per person per day over the period from 2019 to 2021, up 9 percent compared

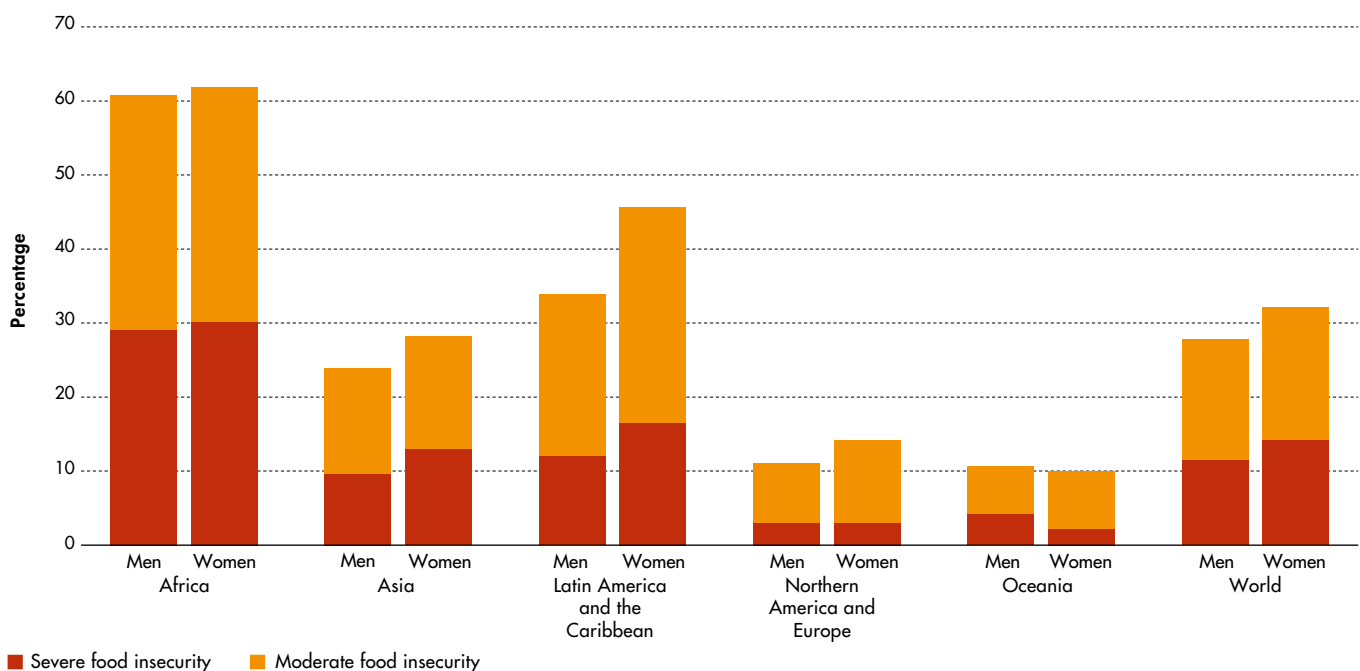
with 2000 to 2002 (see **FIGURE 51** and **TABLE 42**). It is the highest in Northern America and Europe at about 3 540 kcal per person per day; the gap with Oceania (around 3 110 kcal per person per day) and Latin America and the Caribbean (about 3 040 kcal per person per day), is substantial. The fastest increase took place in Asia where DES went up 14 percent over the last two decades. While the lowest among all regions, Africa has also witnessed a steady increase in DES that stopped in 2012–2014.

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 cereals imports dependency ratio, defined as the net trade of cereals (imports minus exports) divided by the total cereals supply

in a country (the country’s own production plus the imports minus the exports). Among the most cereals import-dependent countries in the period from 2017 to 2019, the majority are small island developing states¹⁸ and countries in the Near East, where the natural conditions are not favourable to cereals production (see **FIGURE 52** and **TABLE 43**).

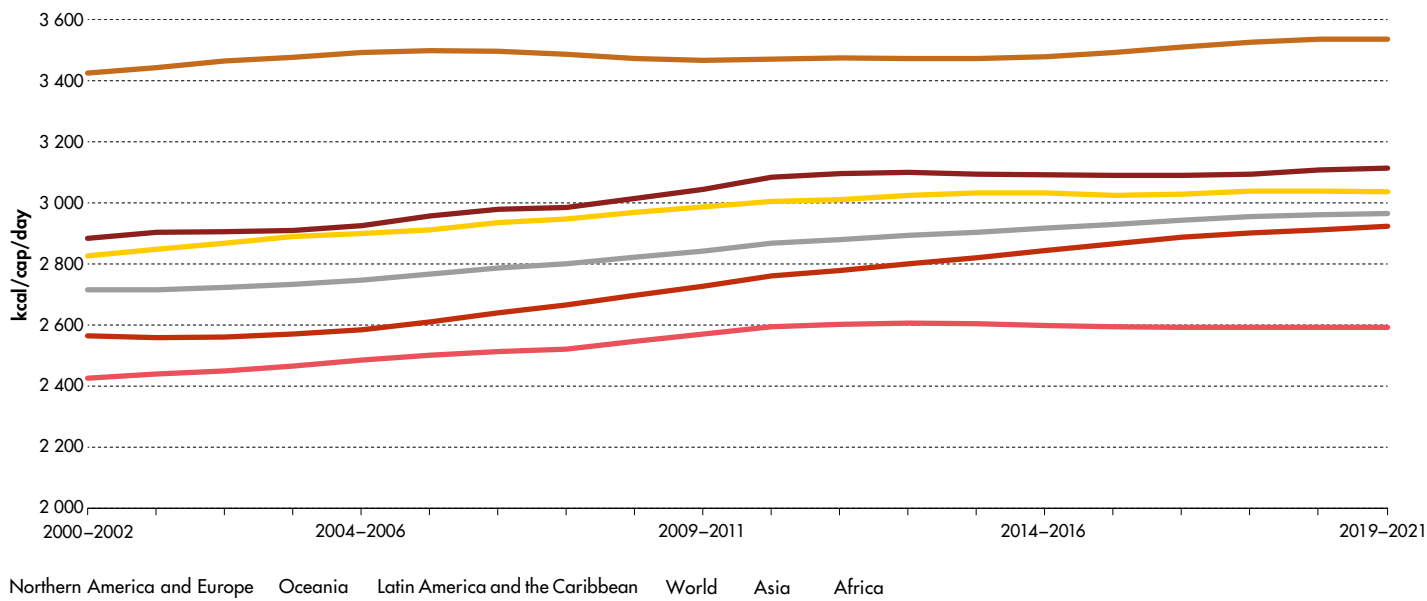
The composition of the dietary energy supply, detailed in food balance sheets,¹⁹ varies greatly between the regions, with notable evolutions between 2000 and 2020 (see **FIGURE 53** and **TABLE 44**). Cereals were the most important contributor to the dietary energy supply in all regions, with shares in 2020 ranging from 24 percent in Oceania to 50 percent in Asia. Fats and oils is the second major food group in all the regions but

FIGURE 50.
FOOD INSECURITY LEVELS BY REGION AND SEX (2021)



Source: FAO. 2022. FAOSTAT: Suite of Food Security Indicators. In: FAO. Rome. Cited October 2022. <https://www.fao.org/faostat/en/#data/FS>
<https://doi.org/10.4060/cc2211en-fig50>

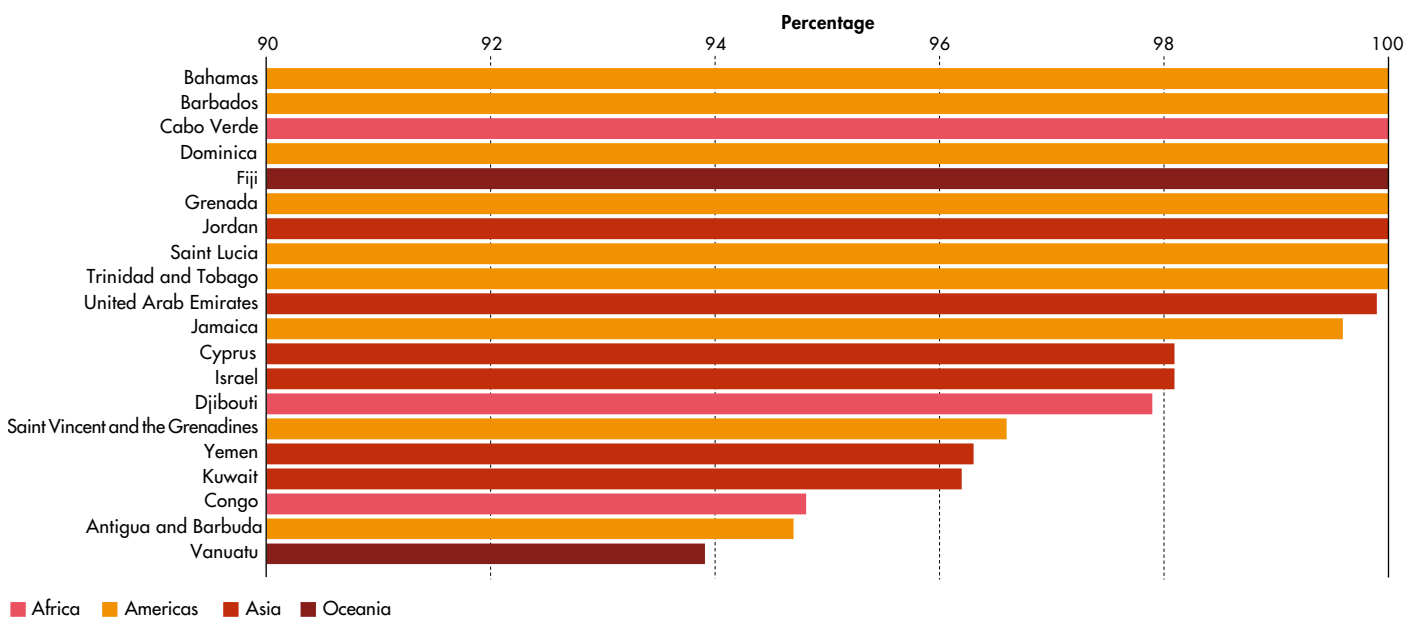
FIGURE 51.
 AVERAGE DIETARY ENERGY SUPPLY BY REGION



Note: This series is used for estimating the prevalence of undernourishment. Values for 2020 and 2021 are projections.

Source: FAO. 2022. FAOSTAT: Suite of Food Security Indicators. In: FAO. Rome. Cited October 2022. <https://www.fao.org/faostat/en/#data/FS>
<https://doi.org/10.4060/cc2211en-fig51>

FIGURE 52.
 CEREAL IMPORT DEPENDENCY RATIO, TOP COUNTRIES (2017-2019)



Source: FAO. 2022. FAOSTAT: Suite of Food Security Indicators. In: FAO. Rome. Cited October 2022. <https://www.fao.org/faostat/en/#data/FS>
<https://doi.org/10.4060/cc2211en-fig52>

Africa. Regional specificities include the high share of roots, tubers and pulses in Africa, of sugar in the Americas and Oceania, and of fats and oils in Oceania, the Americas and Europe. Between 2000 and 2020, the most visible changes in the composition of the food supply took place in Asia (where the share of cereals dropped by 7 percentage points while that of fats and oils, meat, fruit and vegetables, and dairy and eggs increased significantly).

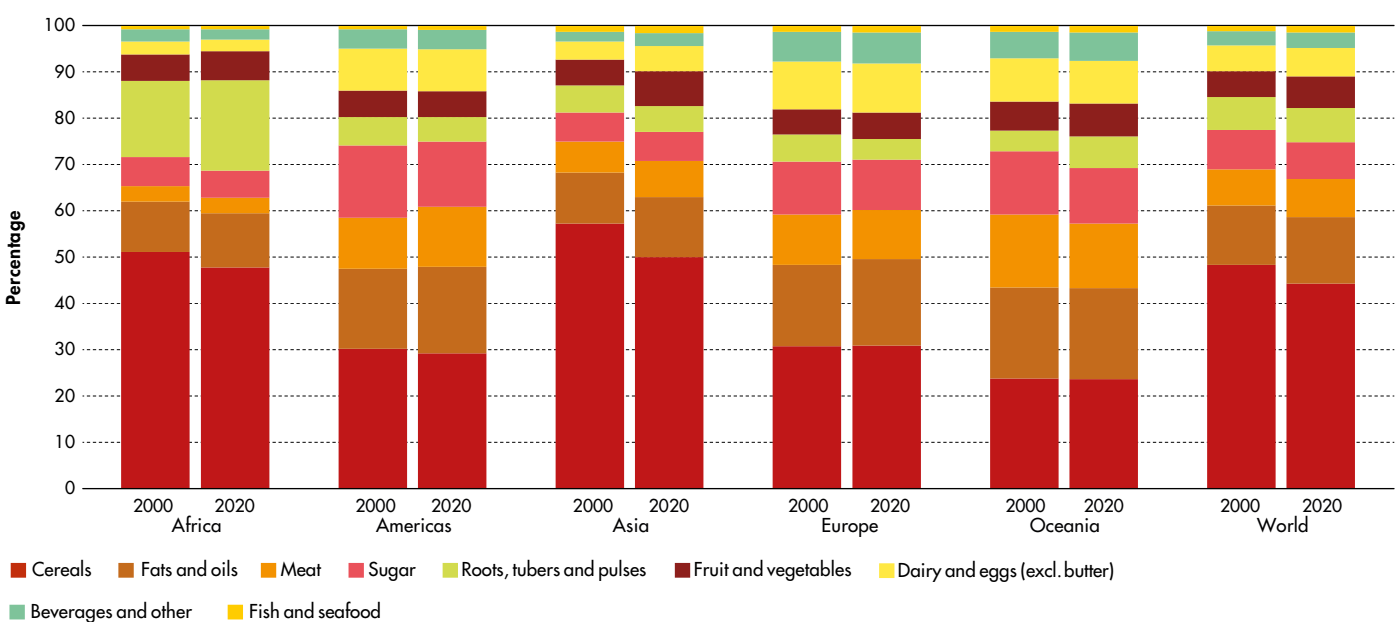
The average protein supply increased in all regions between 2000 and 2019 (see **FIGURE 54** and **TABLE 45**). The growth in Oceania (20 percent), Africa and Asia (18 percent each) was much faster than the world average of 13 percent. The share of protein from animal origin went up across all

regions except Oceania (as a consequence of the increased share of meat, fish, and dairy and eggs in diets observed in **FIGURE 53**): it is highest in Oceania (63 percent) and lowest in Africa (21 percent). Strong disparities also prevail between regions in terms of levels and composition. Protein supply was highest in Northern America and Europe in 2017–2019, with 106 g per person per day compared with 63 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 2017–2019, plants were the main source of protein in Africa (79 percent) and Asia (65 percent), but accounted for 48 percent in Latin America and the Caribbean, 41 percent in Northern America and Europe, and 37 percent in 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 or decreased because of the declining 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. 2022. FAOSTAT: Food Balances (2010). In: FAO. Rome. Cited October 2022. <https://www.fao.org/faostat/en/#data/FBS> and FAO. 2021. FAOSTAT: Food Balances (-2013, old methodology and population). In: FAO. Rome. Cited October 2022. <https://www.fao.org/faostat/en/#data/FBSH> <https://doi.org/10.4060/cc2211en-fig53>

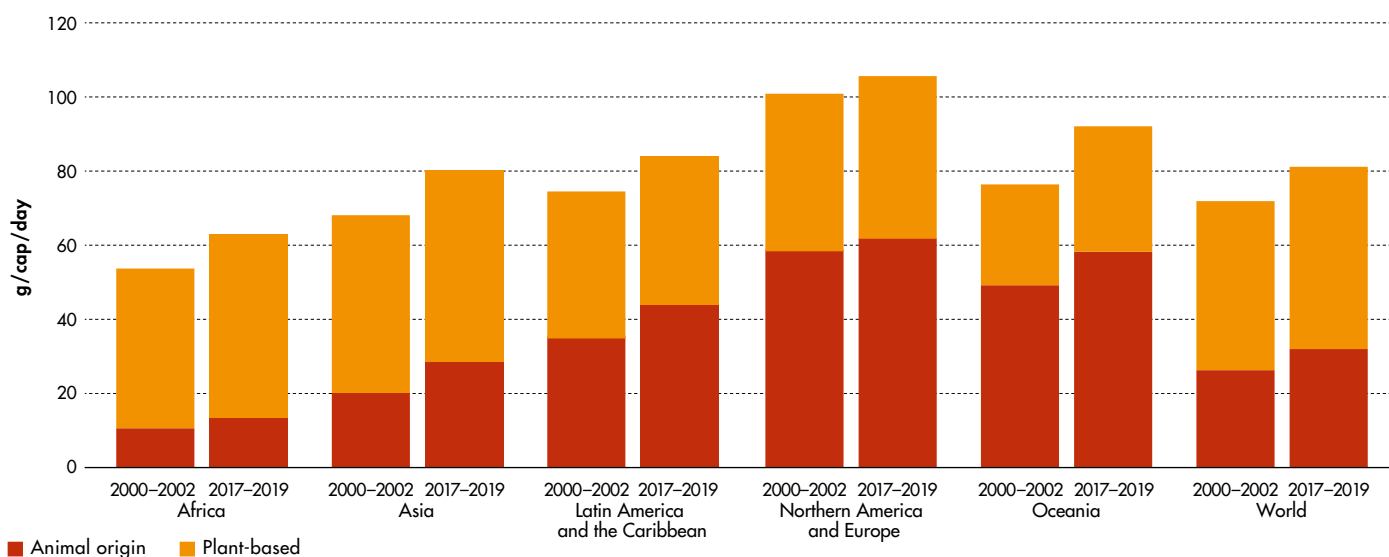
NUTRITION

The prevalence of stunting among children under five years (as well as the number of stunted children) decreased worldwide from 33 percent in 2000 to

22 percent in 2020 (see **FIGURE 56**). The decrease took place in all regions, with the largest drop in Asia, from 37 percent in 2000 to 22 percent in 2020. However, this global progress may have

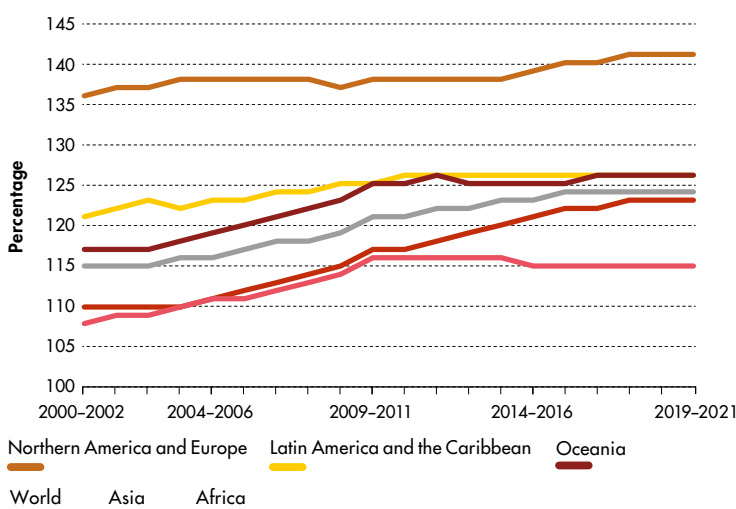
disguised a starker situation in some parts of the world. As seen in **TABLE 47**, the prevalence of child stunting is still extremely high in some countries, sometimes reaching more than 50 percent.

FIGURE 54.
AVERAGE PROTEIN SUPPLY BY REGION AND ORIGIN



Source: FAO. 2022. FAOSTAT: Suite of Food Security Indicators. In: FAO. Rome. Cited October 2022. <https://www.fao.org/faostat/en/#data/FS>
<https://doi.org/10.4060/cc2211en-fig54>

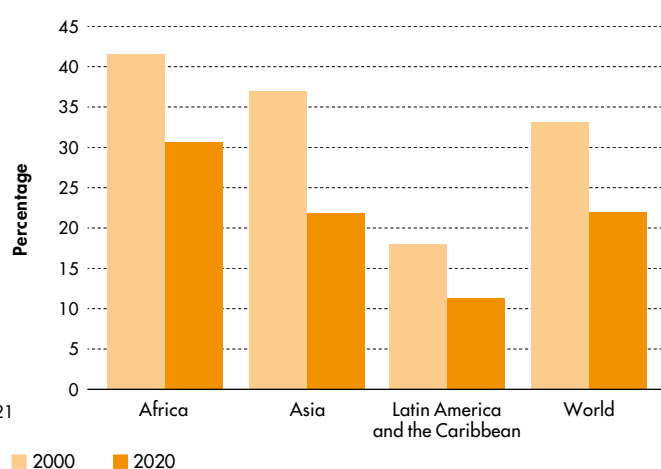
FIGURE 55.
AVERAGE DIETARY SUPPLY ADEQUACY BY REGION



Note: Values for 2020 and 2021 are projections.

Source: FAO. 2022. FAOSTAT: Suite of Food Security Indicators. In: FAO. Rome. Cited October 2022. <https://www.fao.org/faostat/en/#data/FS>
<https://doi.org/10.4060/cc2211en-fig55>

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



Source: FAO. 2022. FAOSTAT: Suite of Food Security Indicators. In: FAO. Rome. Cited October 2022. <https://www.fao.org/faostat/en/#data/FS>
<https://doi.org/10.4060/cc2211en-fig56>

A majority of the countries with a high prevalence of stunting are in sub-Saharan Africa.

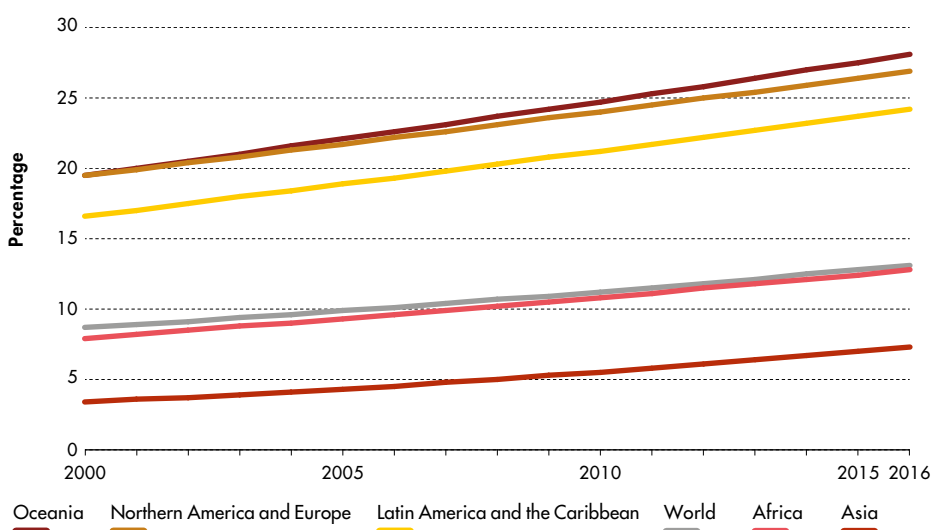
Obesity among adults of 18 years and above increased rapidly in every region of the world between 2000 and 2016 (see **FIGURE 57**). In 2016, 13.1 percent of the adult population in the world was obese, an increase from 8.7 percent in 2000. Oceania and Northern America and Europe had the highest prevalence of adult obesity (both at around 27–28 percent), followed by Latin America and the Caribbean. The prevalence of adult obesity in Africa and Asia was lower than the world average, although it has been steadily increasing. Overall, the world is not on track to meet the 2025 target of the World Health Assembly to halt the rise in obesity.

The 20 countries with the highest prevalence of obesity among adults in 2016 were clustered in the Pacific Islands, the Near East and North Africa (see **FIGURE 58**).

In all of them, 30 percent or more of the population is obese, with the highest proportion in Nauru at 61 percent. For many of these countries, multiple forms of malnutrition coexist:

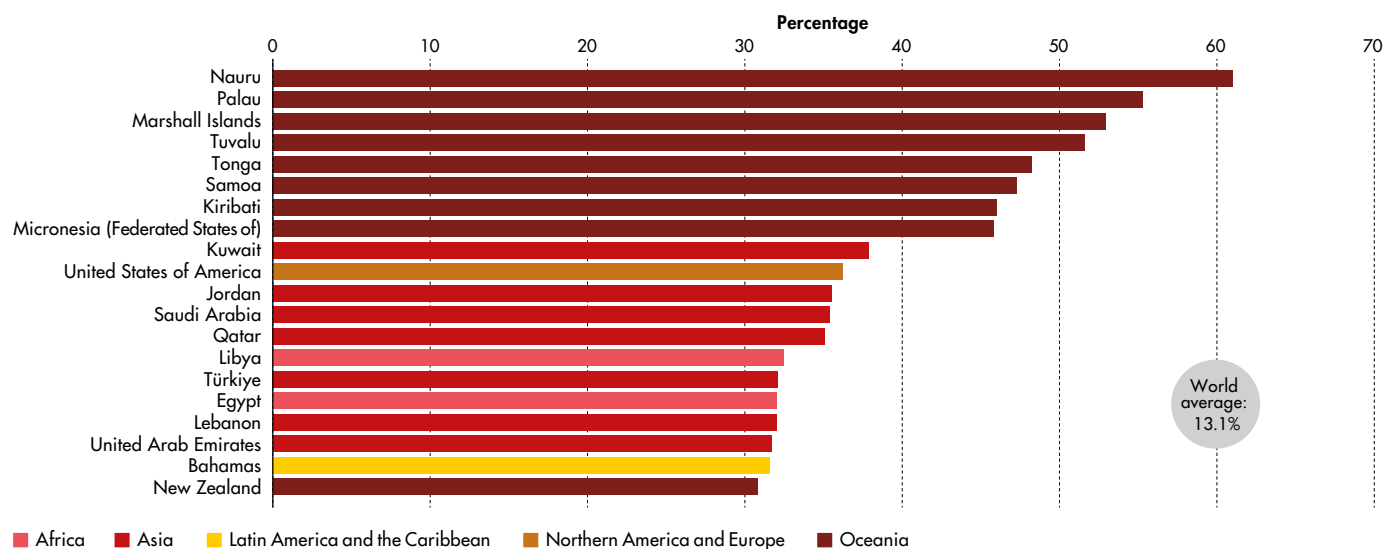
in Egypt, for example, the prevalence of child stunting was as high as 22.3 percent in 2020 (see **TABLE 47**), while the prevalence of adult obesity was 32 percent in 2016 (see **TABLE 48**).

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



Source: FAO. 2022. FAOSTAT: Suite of Food Security Indicators. In: FAO. Rome. Cited October 2022. <https://www.fao.org/faostat/en/#data/FS>
<https://doi.org/10.4060/cc2211en-fig57>

FIGURE 58.
PREVALENCE OF OBESITY IN THE ADULT POPULATION, TOP COUNTRIES (2016)



Source: FAO. 2022. FAOSTAT: Suite of Food Security Indicators. In: FAO. Rome. Cited October 2022. <https://www.fao.org/faostat/en/#data/FS>
<https://doi.org/10.4060/cc2211en-fig58>

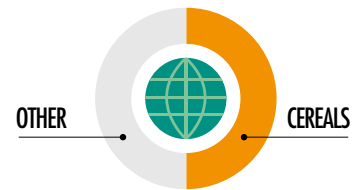
CHAPTER 4 KEY FACTS

AGRICULTURAL AND FOREST LAND DECLINE



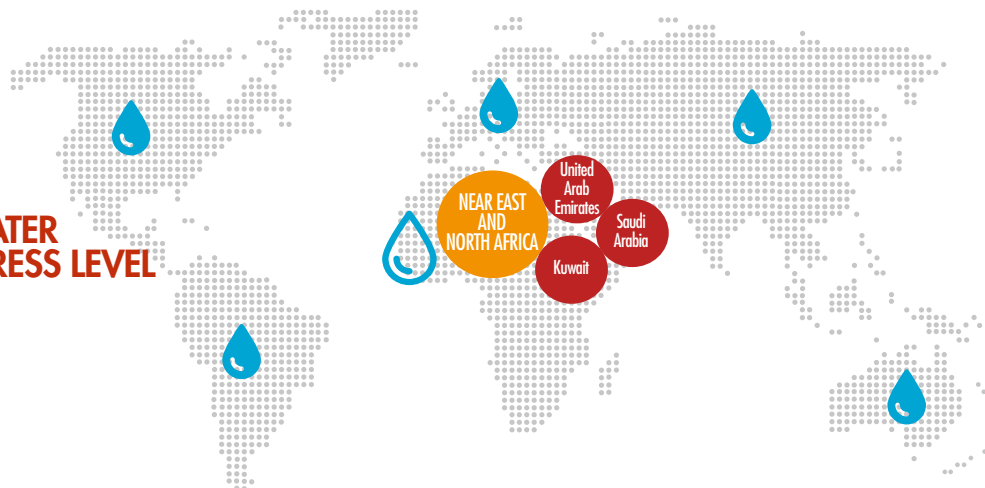
Between 2000 and 2020, agricultural land declined by 134 million ha – roughly the size of Peru – while forest area declined by 99 million ha – about the size of Egypt.

PLANTED HARVESTED AREA



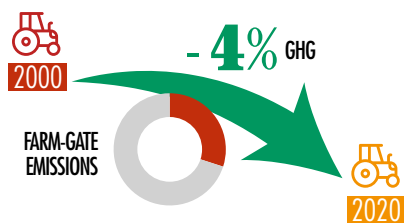
Half the harvested area is planted with cereals.

WATER STRESS LEVEL



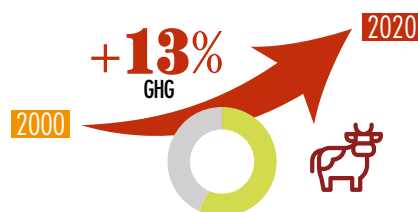
Nearly all countries in the Near East and North Africa have water stress levels close to or above 100%, with the higher shares in Kuwait, the United Arab Emirates and Saudi Arabia.

GREENHOUSE GAS EMISSIONS ON AGRICULTURAL LAND



Greenhouse gas emissions on agricultural land declined by 4% between 2000 and 2020. Farm-gate emissions account for 70% of them.

FARM-GATE GREENHOUSE GAS EMISSIONS



Farm-gate greenhouse gas emissions went up 13% between 2000 and 2020. Around 57% of them are related to livestock.

4 SUSTAINABILITY AND ENVIRONMENTAL ASPECTS OF AGRICULTURE

LAND USE

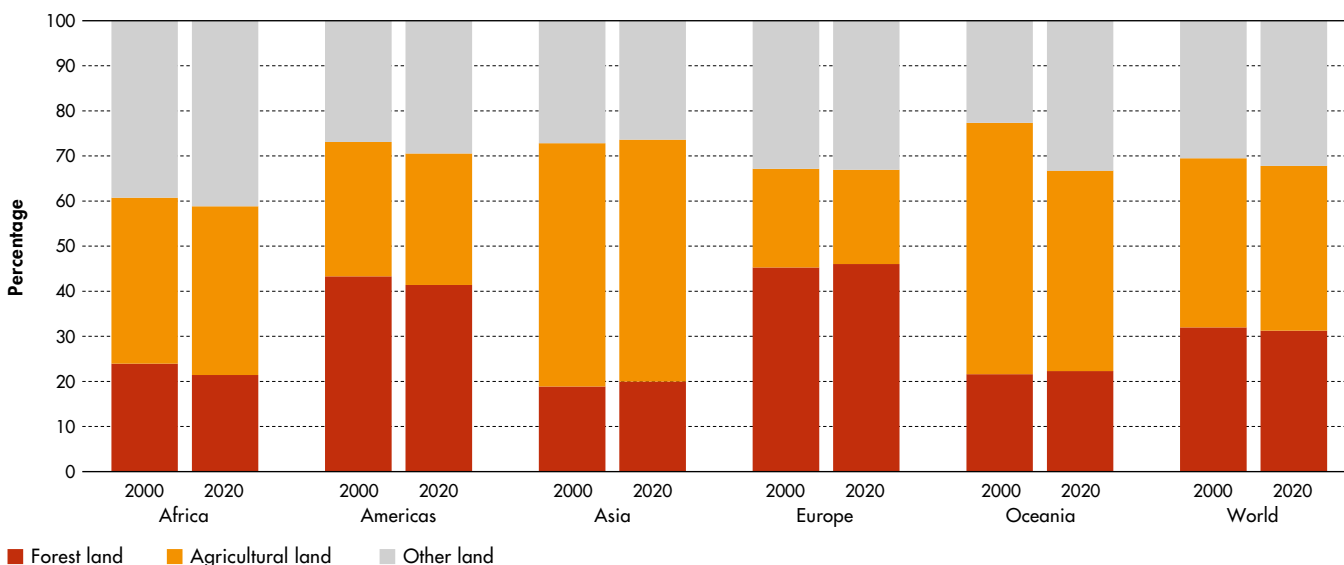
FIGURE 59 shows that the global shares of the three different types of land (agricultural, forest and other) in total land area remained relatively stable from 2000 to 2020 with slight reductions in agricultural land and forest land shares. Within regions, Europe has the largest share of forest land (46 percent), closely followed by the Americas (41 percent), while the other regions are all around 20 percent. More than half of all land (54 percent) in Asia is agricultural land, compared with 43 percent in Oceania, 38 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 and/or other land. Europe, Asia and Oceania had forest land expansion coupled with agricultural land reduction from 2000 to 2020 (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 2020, forest covered 97 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 2020 took place in Viet Nam (+9 percentage points), Cuba (+9 percentage points) and Fiji (+7 percentage points), while the largest decreases in the share of forest area over the same period happened in Paraguay (-17 percentage points), Nicaragua (-17 percentage points) and Cambodia (-15 percentage points), as featured in **TABLE 50**.

FIGURE 59.
SHARE OF LAND AREA BY TYPE AND REGION

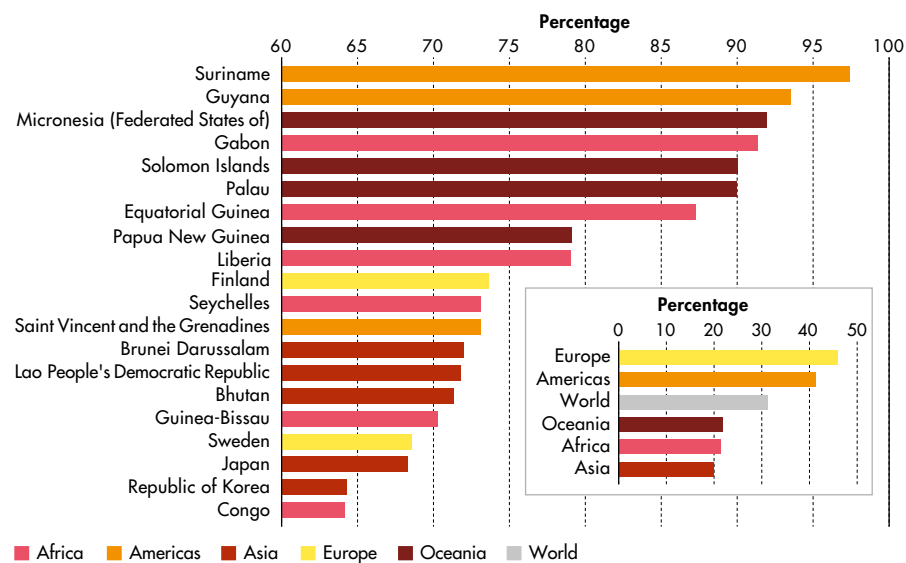


Source: FAO. 2022. FAOSTAT: Land Use. In: FAO. Rome. Cited October 2022. <http://www.fao.org/faostat/en/#data/RL>
<https://doi.org/10.4060/cc2211en-fig59>

In absolute terms, the top country for afforestation was China, with an additional 43 million ha of forest between 2000 and 2020;

deforestation was the strongest in Brazil as 54 million ha of forest were lost there in the 2000–2020 period (see **TABLE 49**).

FIGURE 60.
SHARE OF FOREST AREA IN TOTAL LAND AREA, TOP COUNTRIES (2020)



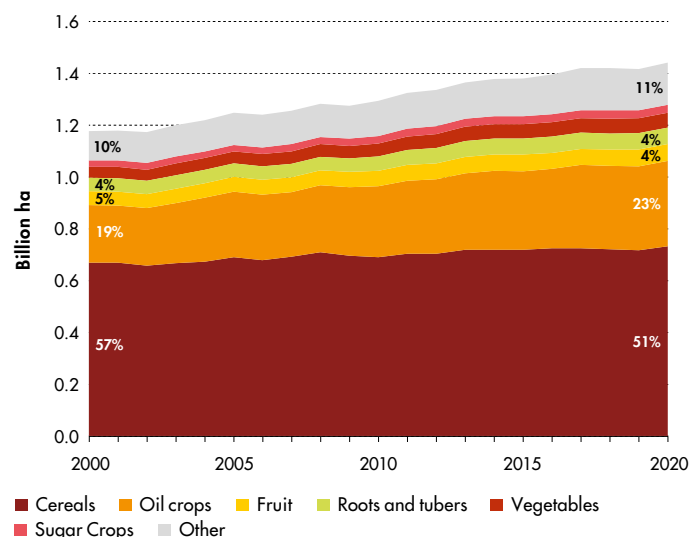
Source: FAO. 2022. FAOSTAT: Land use indicators. In: FAO. Rome. Cited October 2022.
<http://www.fao.org/faostat/en/#data/EL>
<https://doi.org/10.4060/cc2211en-fig60>

FARMING

The global harvested area of primary crops went up 22 percent between 2000 and 2020 to 1.4 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 51 percent in 2020 (see **TABLE 51**). Oil crops covered 23 percent of the global harvested area and experienced the fastest growth in both absolute (+109 million ha) and relative terms (+49 percent). The other main crop groups each account for less than 4 percent of the global harvested area. The overall harvested area went up 2 percent between 2019 and 2020 after a period of marginal decline between 2017 and 2019.

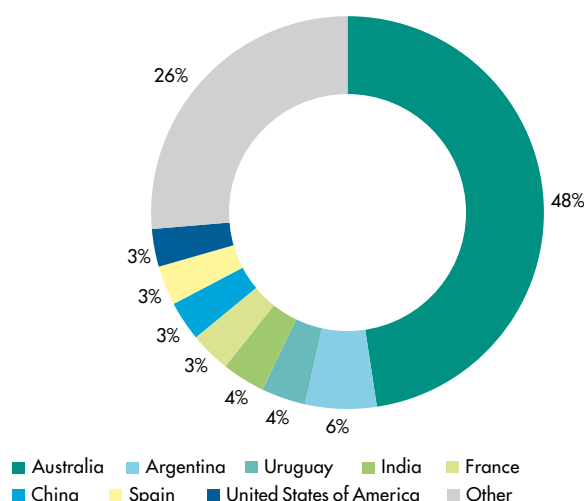
One visible aspect of the efforts to make the agriculture sector more sustainable is the rise of organic agriculture, the main feature of which is its avoidance of synthetic

FIGURE 61.
WORLD PRIMARY CROPS HARVESTED AREA BY COMMODITY GROUP



Note: Percentages on the figure indicate the shares in the total; they may not tally due to rounding.
Source: FAO. 2022. FAOSTAT: Production: Crops and livestock products. In: FAO. Rome. Cited October 2022. <https://www.fao.org/faostat/en/#data/QCL>
<https://doi.org/10.4060/cc2211en-fig61>

FIGURE 62.
WORLD AREA UNDER ORGANIC AGRICULTURE, MAIN COUNTRIES (2020)



Note: Percentages on the figure indicate the shares in the total; they may not tally due to rounding.
Source: FAO. 2022. FAOSTAT: Land Use. In: FAO. Rome. Cited October 2022. <https://www.fao.org/faostat/en/#data/RL>
<https://doi.org/10.4060/cc2211en-fig62>

fertilizers and pesticides.²⁰

In 2020, the agriculture area under certified organic status or in conversion to organic was 75 million ha. Australia accounted for just under half the total, followed by Argentina (6 percent) and Uruguay (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. Looking at countries with a sizeable agricultural area in **FIGURE 63**, the countries with the highest share of area under organic agriculture in total agricultural area for 2020 are Austria (26 percent), Sweden (20 percent) and Uruguay (20 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

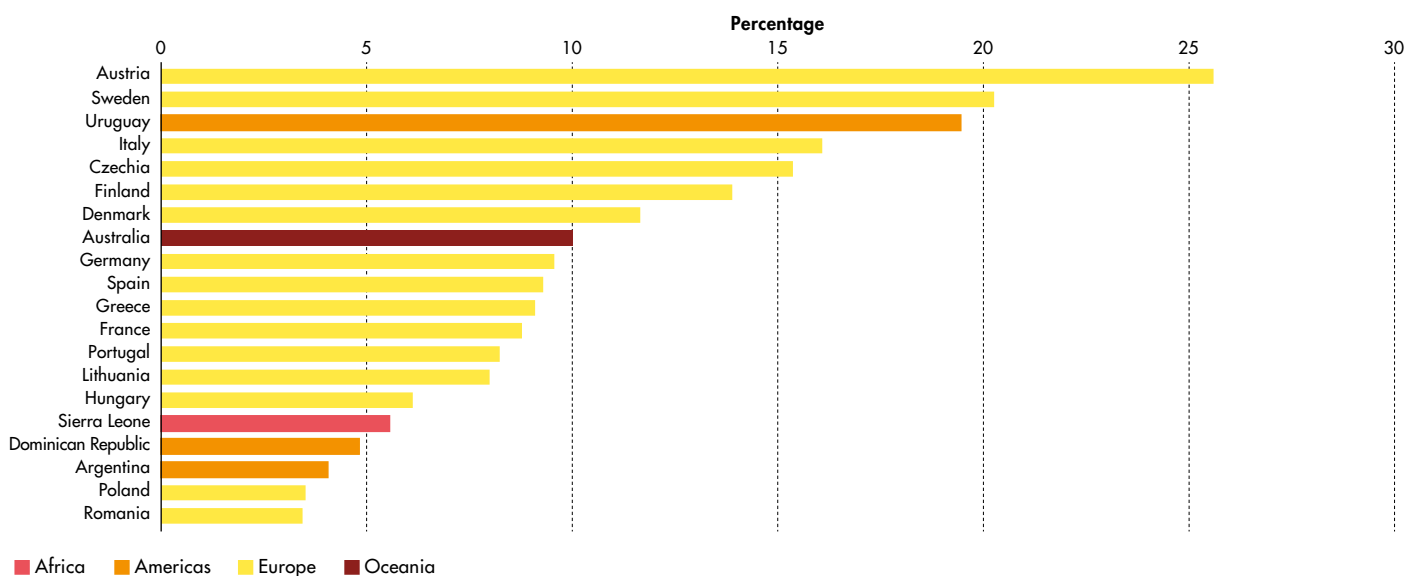
Water stress, defined as the share of freshwater withdrawal in available freshwater resources, after taking into account environmental water requirements, affects predominantly Western and Central Asia as well as Northern Africa (see **FIGURE 64** and **TABLE 54**). The countries experiencing the most acute water stress levels in 2019 (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, Central and Southern Asia and on the west coast of Latin America.²¹

SOILS

The cropland nutrient budget 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 budget went up 14 percent to 54 kg/ha between 2000 and 2020, although it

FIGURE 63.
SHARE OF AREA UNDER ORGANIC AGRICULTURE IN TOTAL AGRICULTURAL AREA, TOP COUNTRIES (2020)



Note: Only countries with more than 2 million ha of agricultural area are taken into account.

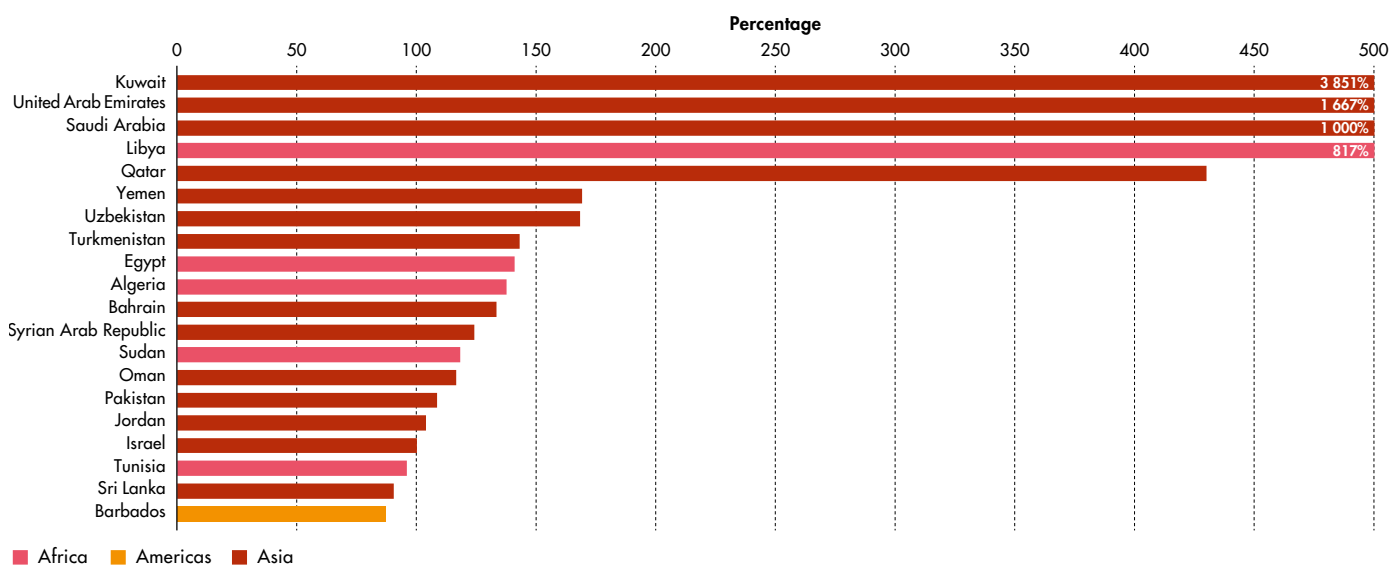
Source: FAO, 2022. FAOSTAT: Land Use. In: FAO, Rome. Cited October 2022. <http://www.fao.org/faostat/en/#data/RL>
<https://doi.org/10.4060/cc2211en-fig63>

was on a declining trend during the 2010s. With 93 kg/ha in 2020, Asia had the highest cropland nitrogen budget, far ahead of the Americas (40 kg/ha), Europe (38 kg/ha), Oceania (22 kg/ha) and Africa (12 kg/ha). Oceania had the largest

growth of the cropland nitrogen budget between 2000 and 2020 (+555 percent), driven by increased fertilizer inputs and decreased outputs, while Europe is the only region where the cropland nitrogen budget declined (by 5 percent).

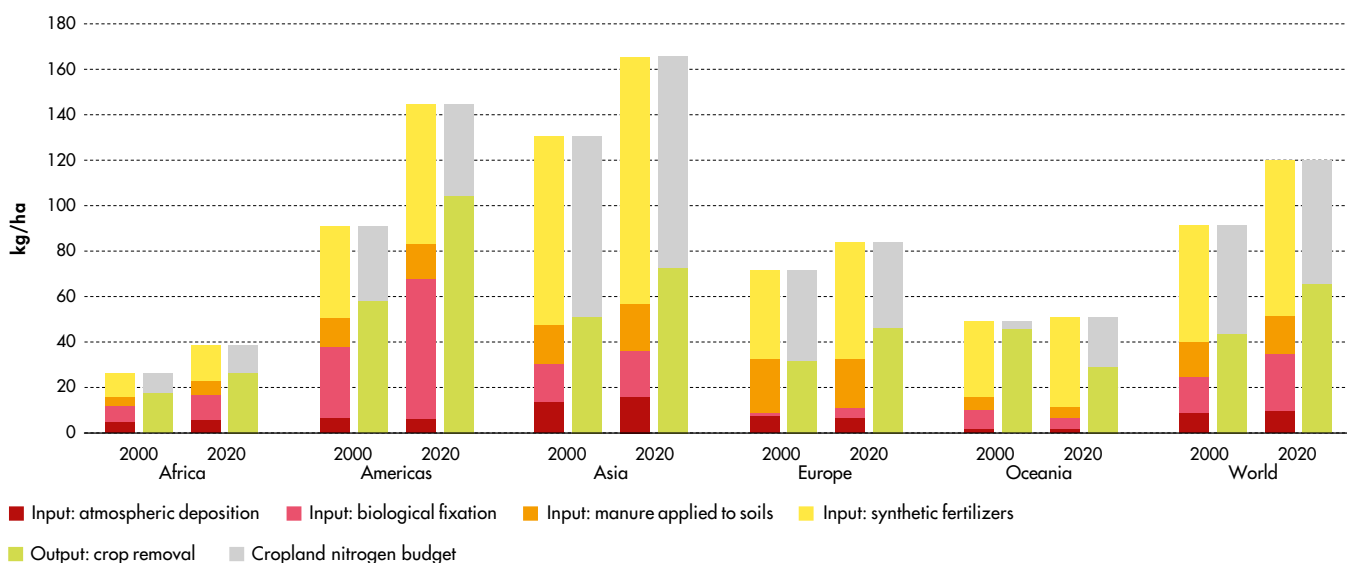
Asia had the largest total nitrogen inputs in 2020 (166 kg/ha); the Americas had the largest inputs from biological fixation, as well as outputs from crop removal, while Africa had the smallest total nitrogen inputs (39 kg/ha).

FIGURE 64.
WATER STRESS, TOP COUNTRIES (2019)



Source: FAO. 2022. AQUASTAT. In: FAO. Rome. Cited October 2022. <https://www.fao.org/aquastat/statistics/query/index.html?lang=en>
<https://doi.org/10.4060/cc2211en-fig64>

FIGURE 65
CROPLAND NITROGEN BUDGET BY COMPONENT AND REGION



Source: FAO. 2022. FAOSTAT: Cropland nutrient budget. In: FAO. Rome. Cited October 2022. <https://www.fao.org/faostat/en/#data/ESB>
<https://doi.org/10.4060/cc2211en-fig65>

EMISSIONS AND CLIMATE CHANGE

Agriculture is both affected by climate change and an important contributor to greenhouse gas (GHG) emissions. Total emissions on agricultural land in 2020 amounted to 10.5 billion tonnes of carbon dioxide equivalent (Gt CO₂eq) of GHG released into the atmosphere, a decrease of 4 percent, or 0.4 Gt CO₂eq compared with 2000 (FIGURE 66 and TABLE 56). This decline is due to a decrease in emissions from forest conversion that was larger than the increase in farm-gate emissions. Activities within the farm gate accounted for 7.4 Gt CO₂eq, or 70 percent of the total emissions in 2020, followed by net forest conversion/deforestation (2.9 Gt CO₂eq, or 28 percent) and fires in humid

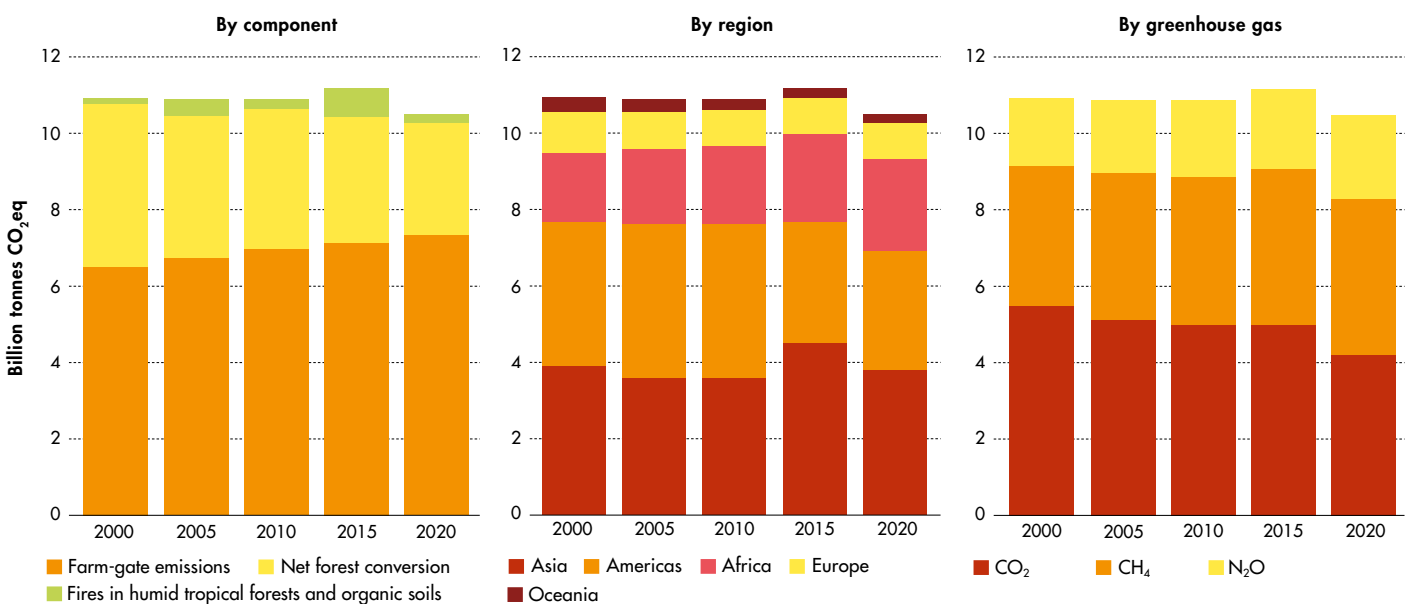
tropical forests and organic soils (0.2 Gt CO₂eq, or 2 percent). Asia was the top agricultural emitter, with 3.8 Gt CO₂eq (36 percent of the total) in 2020, followed by the Americas (3.1 Gt CO₂eq, or 30 percent), Africa (2.4 Gt CO₂eq, or 23 percent), Europe (1.0 Gt CO₂eq, or 9 percent) and Oceania (0.2 Gt CO₂eq, or 2 percent). CO₂ represented 40 percent of the total emissions, or 4.2 Gt CO₂eq. Next were methane (CH₄) with 4.1 Gt CO₂eq (39 percent) and nitrous oxide (N₂O) with 2.2 Gt CO₂eq (21 percent).

World agriculture emissions within the farm gate (those related to the production of crops and livestock) grew by 13 percent between 2000 and 2020, to 7.4 Gt CO₂eq (see FIGURE 67 and TABLE 57).

Around 57 percent derive from livestock-related activities, and with 2.8 Gt CO₂eq, the emissions from enteric fermentation generated in the digestive system of ruminant livestock were alone responsible for 39 percent of agricultural emissions. Animal and synthetic sources of soil fertilization contributed to slightly less than one-fifth of agricultural emissions. Drained organic soils were responsible for a constant 12 percent share of farm-gate emissions over the 2000–2020 period, while methane released from the cultivation of rice paddies accounted for 9 to 10 percent.

Calculating emissions intensities^e allows for comparison of the GHG performance of a range of commodities, as they represent a simplified indication of the

FIGURE 66.
WORLD GREENHOUSE GAS EMISSIONS ON AGRICULTURAL LAND



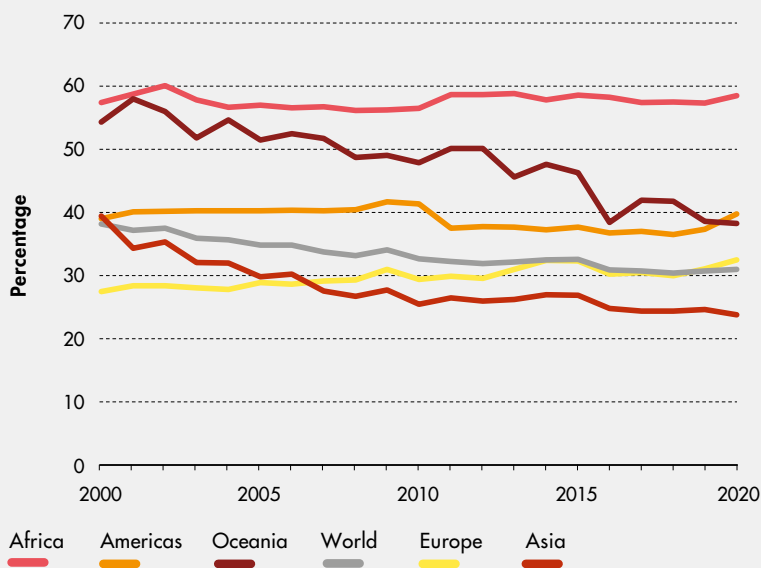
Source: FAO. 2022. FAOSTAT: Emissions Totals. In: FAO. Rome. Cited October 2022. <https://www.fao.org/faostat/en/#data/GT>
<https://doi.org/10.4060/cc2211en-fig66>

^e Emissions estimates are those generated within the farm gate.

BOX 4.
FOCUS ON AGRIFOOD SYSTEMS – SHARE IN GREENHOUSE GAS EMISSIONS

Greenhouse gas emissions from agrifood systems comprise those generated by the production of crops and livestock within the farm gate, land use change and pre- and post-production processes (supply chain processes including transport, processing and input manufacturing, as well as household consumption and waste). Between 2000 and 2020, the share of agrifood systems in total greenhouse gas emissions declined from 39 percent to 31 percent. In Africa and the Americas, the shares remained around 60 and 38 percent, respectively, during the whole period. In Oceania and Asia, the share of agrifood systems dropped by 16–18 percentage points to 36 and 24 percent, respectively, in 2020. Europe was on an increasing trend between 2000 (28 percent) and 2019 (32 percent) but the share decreased to 27 percent in 2020.

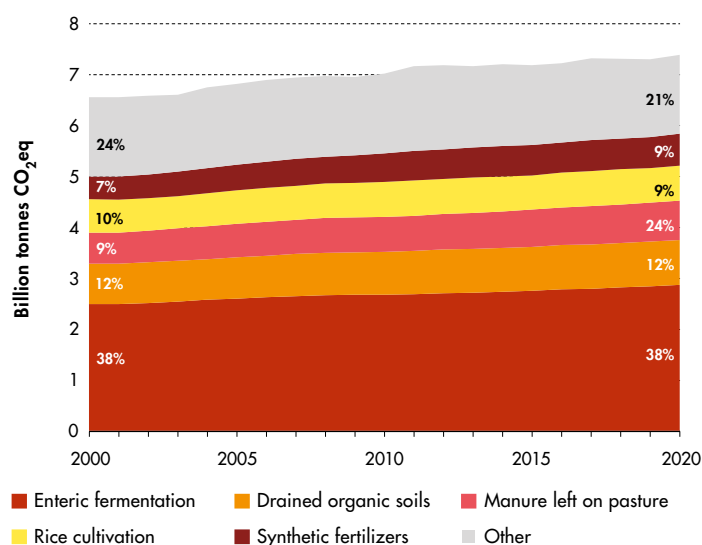
FIGURE B4.
SHARE OF AGRIFOOD SYSTEMS IN TOTAL GREENHOUSE GAS EMISSIONS BY REGION



Note: Emissions are calculated using the methodology from the IPCC's Fifth Assessment Report (AR5).

Source: FAO. 2022. FAOSTAT: Emissions shares. In: FAO. Rome. Cited October 2022. <https://www.fao.org/faostat/en/#data/EM>
<https://doi.org/10.4060/cc2211en-figB4>

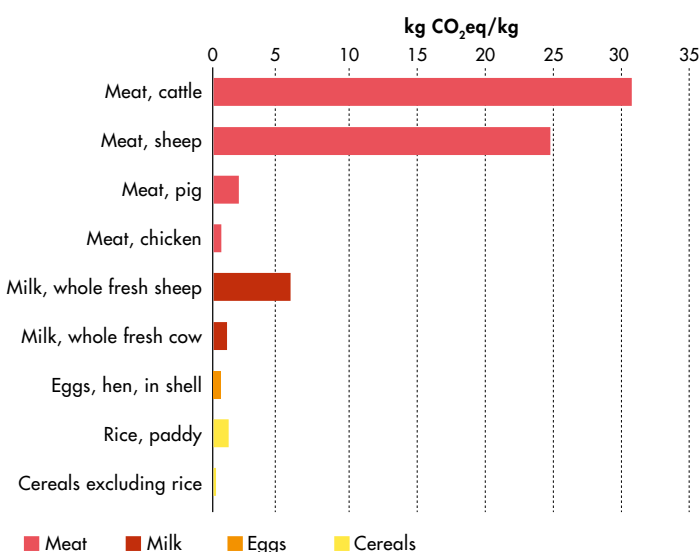
FIGURE 67.
WORLD FARM-GATE GREENHOUSE GAS EMISSIONS BY ACTIVITY



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

Source: FAO. 2022. FAOSTAT: Emissions Totals. In: FAO. Rome. Cited October 2022.
<https://www.fao.org/faostat/en/#data/GT>
<https://doi.org/10.4060/cc2211en-fig67>

FIGURE 68.
WORLD EMISSIONS INTENSITY OF AGRICULTURAL COMMODITIES (2020)



Source: FAO. 2022. FAOSTAT: Emissions intensities. In: FAO. Rome. Cited October 2022.

<https://www.fao.org/faostat/en/#data/EI>
<https://doi.org/10.4060/cc2211en-fig68>

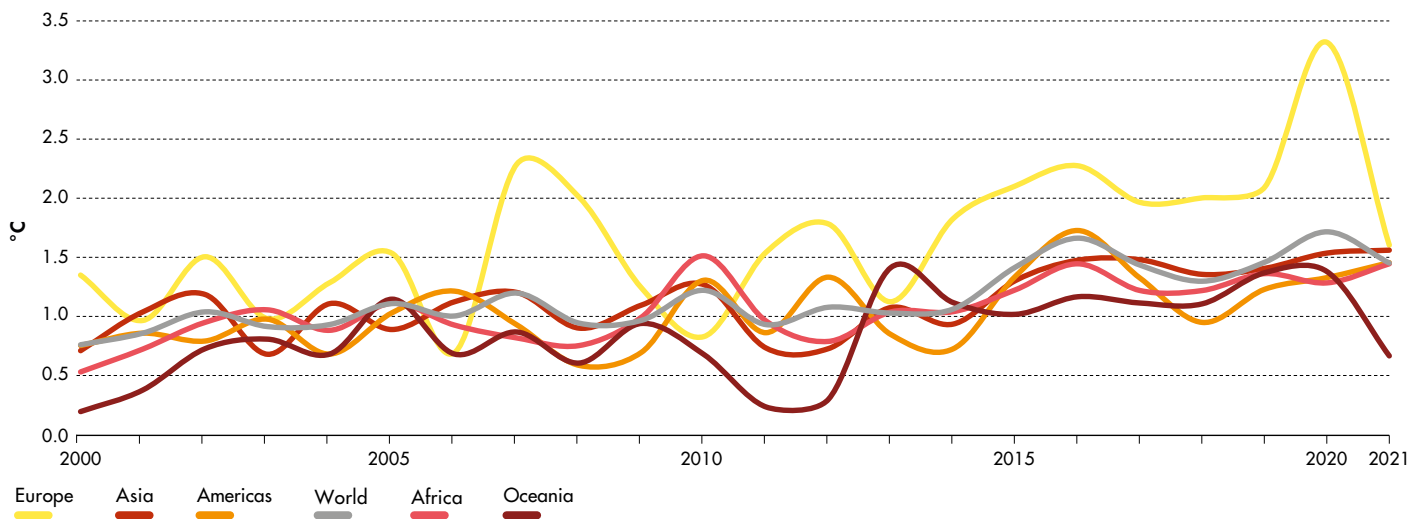
efficiency of production for each commodity, by country and over time. As seen in **FIGURE 68**, the most CO₂-intensive commodities on average in 2020 were cattle meat (30 kg CO₂eq/kg) and sheep meat (24 kg CO₂eq/kg). The intensity of pig and chicken meat was much lower (1.8 kg CO₂eq/kg and 0.6 kg CO₂eq/kg respectively). The global emissions intensity for cow milk was 1 kg CO₂eq/kg, compared to 5.6 CO₂eq/kg for sheep milk. The emissions intensity of rice was 1.1 kg CO₂eq/kg, over five times larger than for 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 (66 kg CO₂eq/kg) and nearly half in Europe (17 kg CO₂eq/kg).

Worldwide, winters and summers alike are becoming increasingly hotter than the 1951–1980 average (see **FIGURE 69**). With 1.44 °C more than the world reference measured over land, 2021 was the fourth warmest year at the global level, behind 2020 (1.71 °C), 2016 (1.66 °C) and

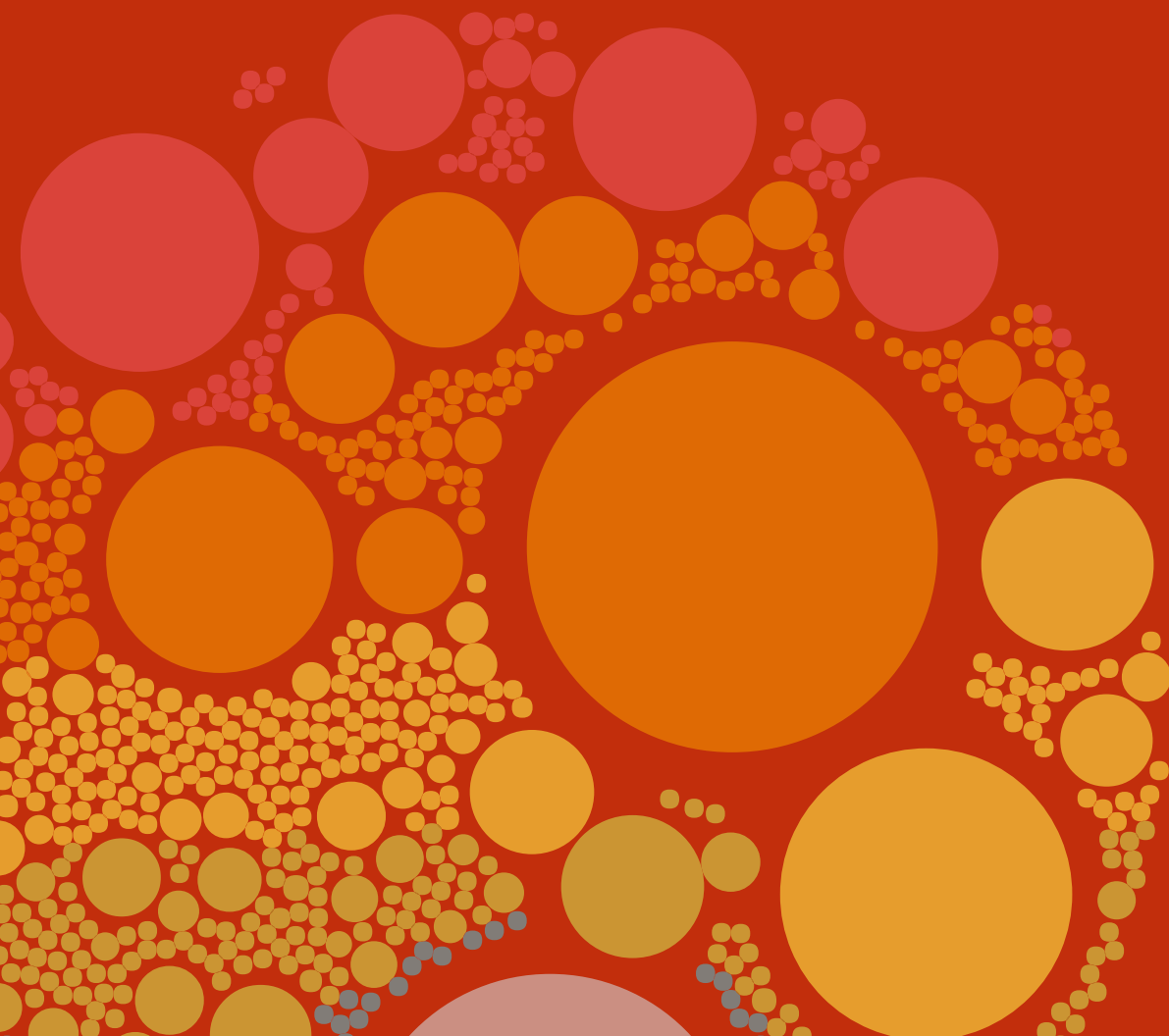
2019 (1.45 °C). Europe is the region where the temperature change has been the highest in 2021 (and also for most of the 2000–2021 period), with 1.60 °C (a significant decrease compared with 3.35 °C in 2020), followed by Asia (1.55 °C), the Americas (1.45 °C), Africa (1.43 °C) and Oceania (0.63 °C). The average temperature change in the 2010s was 1.24 °C, compared to 0.95 °C in the 2000s. As seen in **TABLE 59**, 141 countries had a mean annual temperature change at least 1.0 °C higher than the 1951–1980 average in 2020; the largest mean annual temperature change was recorded in Tunisia, Iraq and Canada (2.54 °C).

FIGURE 69.
TEMPERATURE CHANGE MEASURED OVER LAND BY REGION



Source: FAO. 2022. FAOSTAT: Temperature change. In: FAO. Rome. Cited October 2022. <https://www.fao.org/faostat/en/#data/ET>
<https://doi.org/10.4060/cc2211en-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 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 are in charge of 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, it also plays a vital role in the compilation, processing and dissemination of internationally comparable data, and provides essential capacity-building support to member countries. In addition, ESS disseminates documents, working papers and statistical publications that cover agricultural 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.

The Office of Chief Statistician (OCS) is responsible for the overall coordination and governance of FAO’s statistical work, both at headquarters and in FAO’s Regional and Country Offices. OCS provides guidance to the technical units in charge of data acquisition, compilation and dissemination, with the aim of ensuring quality and consistency of statistical practices at the corporate level. It plays a quality assurance role in developing methods and standards for food and agriculture statistics and in providing technical assistance and capacity development to member countries. OCS also leads the Organization’s work to monitor the Sustainable Development Goal (SDG) indicators under FAO custodianship.

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.

Source: WHO

Owner: World Health Organization, Global Health Observatory Data Repository/World Health Statistics

AGRICULTURAL LAND

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

Source: 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.

Source: 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.

Source: FAO, Statistics Division

Owner: FAO

AGRICULTURE, FORESTRY AND FISHING

Agriculture, forestry and fishing (AFF) refers to the broad agricultural sector including crop growing and animal production, forestry and logging, and fishing and aquaculture. These sub-sectors 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.

Source: United Nations Statistics Division

Owner: UN

AGRICULTURE, FORESTRY AND OTHER LAND USE EMISSIONS

Greenhouse gas (GHG) emissions from agriculture, forestry and other land use (AFOLU) consist of non-CO₂ gases, namely methane (CH₄) and nitrous oxide (N₂O) produced by crop and livestock production and management activities, CO₂ emissions by sources and sinks from

forestland, net forest conversion and drained organic soils, and non-CO₂ emissions from forest fires and fires in organic soils.

Source: FAO, Statistics Division

Owner: FAO

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 4, determines the origin of value added. Agriculture here refers to the broad agricultural sector (AFF).

Source: 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).

Source: FAO, Statistics Division

Owner: FAO

AQUACULTURE FISH PRODUCTION

Aquaculture fish 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, protection from predators, etc. Farming also implies individual or

corporate ownership of the stock being cultivated. For statistical purposes, aquatic organisms, which are harvested by an individual or corporate body that has owned them throughout their rearing period, contribute to aquaculture, while aquatic organisms, which 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. Fish production is the sum of aquaculture and capture fish production. Data are expressed in live weight equivalent.

Source: 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.

Source: 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, etc. 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, etc. 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.

Source: FAO, Statistics Division

Owner: FAO

CAPTURE FISH PRODUCTION

Hunting, collecting and gathering activities directed at removing or collecting live wild aquatic organisms are capture fish production. The capture production statistics here indicates 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. Fish production is the sum of aquaculture and capture fish production.

Source: 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 from 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.

Source: 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 nes are all considered cereals.

Source: 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.

Source: 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.

Source: IMF, UNSD, 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".

Source: 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.

Source: 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, Treenuts and Vegetables.

Source: FAO, Statistics Division
Owner: FAO

DAIRY PRODUCTS

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

Source: 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.

Source: 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's 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.

Source: 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.

Source: 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.

Source: FAO, Statistics Division

Owner: FAO

EMISSIONS ON AGRICULTURAL LAND

Emissions on agricultural land are composed of the sum of emissions within the farm gate and food-related land use change emissions from net forest conversion, fires in organic soils and fires in humid tropical forests.

Source: FAO, Statistics Division

Owner: FAO

EMISSIONS SHARES

Emissions from the different economic sectors (energy, agriculture, land use, land-use change and forestry [LULUCF], industrial processes and product use, waste and international bunkers) and their related contributions to all emissions by gases (CO₂, CH₄, N₂O and F-gases) are computed in this domain. Emissions from food systems that can be associated with farm gate activities, food-related land use change and pre- and post- production activities are also computed along with their contributions to all emissions.

Source: 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 the following 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.

Source: 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).

Source: FAO, Statistics Division

Owner: FAO

FARM-GATE EMISSIONS

Farm-gate emissions covers all GHG emissions produced from agricultural processes (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, energy use) within the farm gate and at the farm boundary. Non-CO₂ gases, namely methane (CH₄) and nitrous oxide (N₂O), are produced by crop and livestock production and management activities whereas CO₂ emissions are produced from the drainage of organic soils

and energy used on farms. The FAOSTAT emissions database is computed following Tier 1 Intergovernmental Panel on Climate Change (IPCC) 2006 Guidelines for National GHG Inventories.

Source: 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 P_2O_5) and potassium (expressed as K_2O). 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.

Source: FAO, Statistics Division

Owner: FAO

FISH NET TRADE

Fish net trade is exports plus re-exports minus imports.

Source: FAO, Fisheries and Aquaculture 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.

Source: 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).

Source: 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.

Source: 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.

Source: 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 and exclude “in-transit” shipments. They are reported in cubic metres of solid volume or metric tonnes and values are normally recorded as FOB.

Source: 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 and 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).

Source: 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.

Source: 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, green peas, etc. 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 and are processed into dried fruit, fruit juice, canned fruit, frozen fruit, jam, alcoholic beverages, etc.

Source: 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.

Source: 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.

Source: 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).

Source: 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).

Source: 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.

Source: FAO, Statistics Division

Owner: FAO

LAND AREA

Country area excluding area under inland waters and coastal waters.

Source: 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.

Source: FAO, Statistics Division

Owner: FAO

LAND UNDER 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.

Source: FAO, Statistics Division

Owner: FAO

LAND UNDER 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 (i.e. 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)
- 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.

Source: FAO, Statistics Division

Owner: FAO

LAND USE, LAND-USE CHANGE AND FORESTRY EMISSIONS

LULUCF covers all GHG emissions and removals produced in the different land use categories, representing the three IPCC Land Use categories: cropland, forest land, and grassland, collectively called emissions/removals from the Forestry and Other Land Use (FOLU) sector. FOLU emissions consist of CO₂ (carbon dioxide), CH₄ (methane) and N₂O (nitrous oxide) associated with land management activities. CO₂ emissions/removals are derived from estimated net carbon stock changes in above- and below-ground biomass pools of forest land, including forest land converted to other land uses. CH₄ and N₂O, and additional CO₂ emissions are estimated for fires and drainage of organic soils. The FAOSTAT emissions database is computed following Tier 1 IPCC 2006 Guidelines for National GHG Inventories.

Source: 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.

Source: FAO, Statistics Division

Owner: FAO

MEAT

Meat is defined as the flesh of animals (excluding fish) 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.

Source: FAO, Statistics Division

Owner: FAO

MILK

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

Source: FAO, Statistics Division

Owner: FAO

NET EMISSIONS/REMOVALS FROM FOREST LAND

Net CO₂ emissions/removals from forest land consist of net carbon stock change in the living biomass pool (aboveground and belowground) associated with: (i) forest, referring to changes occurred on forest land in the reported year; and (ii) net forest

conversion from forest land to other land uses. The FAOSTAT data are computed at Tier 3, with the stock difference method, following IPCC 2006 Vol. 4, Ch. 2 and 4.

Source: FAO, Statistics Division

Owner: FAO

NET FOREST CONVERSION, NET EMISSIONS/REMOVALS

Net CO₂ emissions/removals from forest land consist of net carbon stock gain/loss in the living biomass pool (aboveground and belowground biomass) associated with forest and net forest conversion. The FAOSTAT emissions database is computed following Tier 1 IPCC 2006 Guidelines for National GHG Inventories and uses area and carbon stocks data compiled by countries in the FAO Global Forest Resource Assessments.

Source: FAO, Statistics Division

Owner: FAO

NET TRADE

Value in USD of exports minus imports.

Source: FAO, Statistics 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).

Source: 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, etc.

Source: FAO, Forestry Division

Owner: FAO

PESTICIDES

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. Pesticides 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.

Source: 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 – 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 cross-country comparable 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.

Source: 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 cross-country comparable 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.

Source: 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.

Source: 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).

Source: FAO, Statistics Division
Owner: FAO

PRODUCTION

Figures relate to the total domestic production whether 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 fish items (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.

Source: 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 that 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 usual to refer production data to that year into 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 actually harvested area during the year.

Source: 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, fish, seafood and products, aquatic products and other.

Source: FAO, Statistics Division
Owner: FAO

PROTEIN SUPPLY, AVERAGE

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

Source: 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.

Source: 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).

Source: 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).

Source: FAO, Statistics Division
Owner: FAO

SAWNWOOD

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

Source: FAO, Forestry Division
Owner: FAO

STARCHY ROOTS

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

Source: 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.

Source: World Bank
Owner: UNICEF/WHO/The World Bank: Joint child malnutrition estimates

SUGAR CROPS

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

Source: 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.

Source: 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.

Source: 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.

Source: 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.

Source: 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 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 and other agglomerates. It is reported in cubic metres solid volume underbark (i.e. excluding bark).

Source: 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.

Source: FAO, Forestry Division

Owner: FAO

WOOD PULP

Wood pulp is fibrous material prepared from pulpwood, wood chips, particles or residues by a mechanical and/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).

Source: FAO, Forestry Division

Owner: FAO

WOOD-BASED PANELS

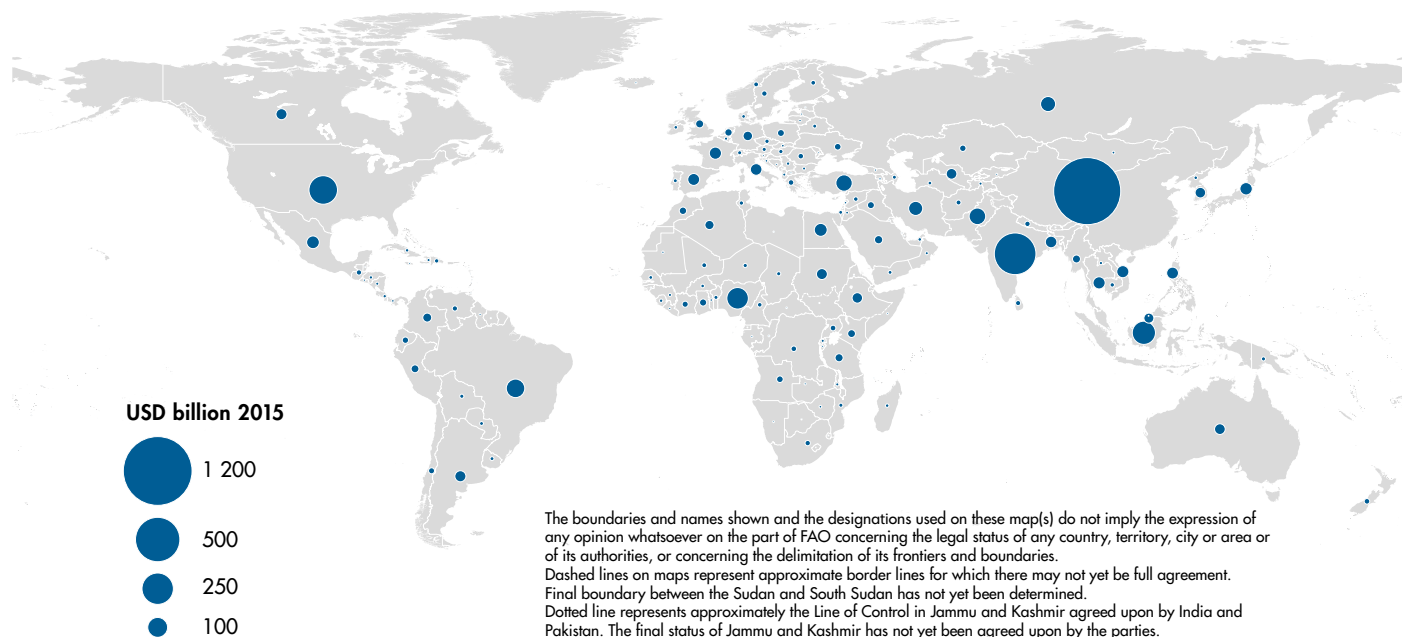
This product category is an aggregate comprising veneer sheets, plywood, particle board and fibreboard. It is reported in cubic metres solid volume.

Source: FAO, Forestry Division

Owner: FAO

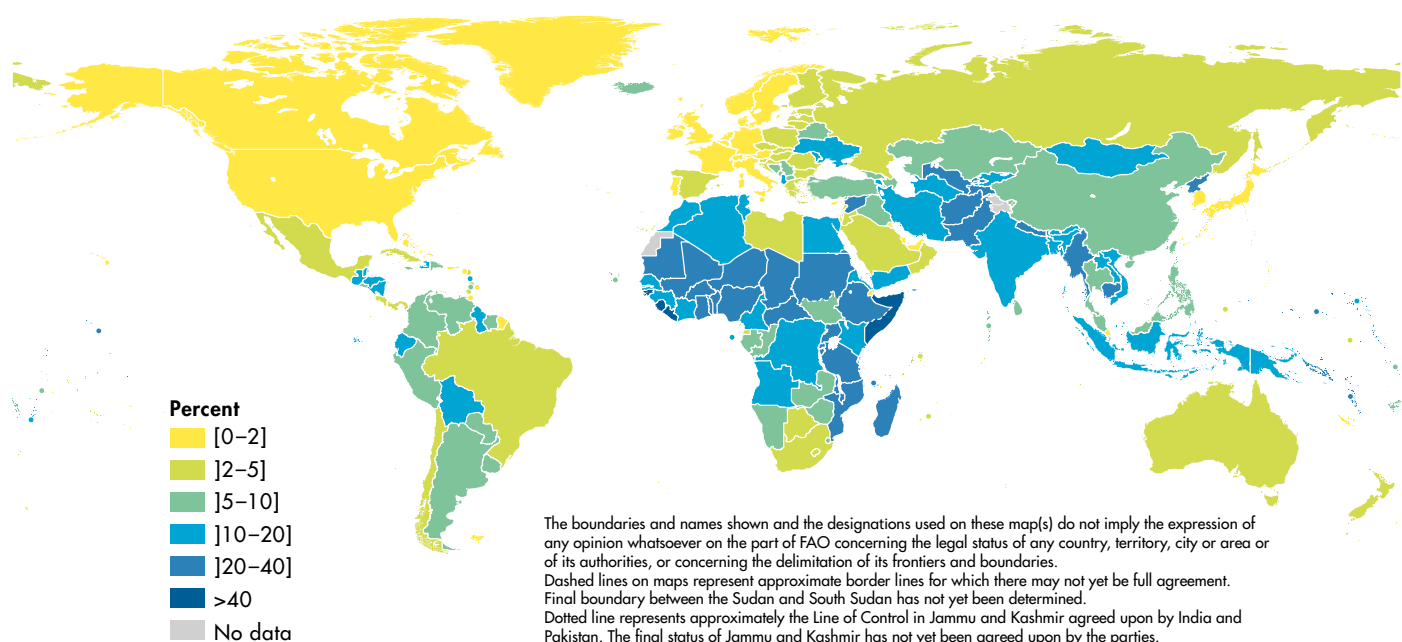
ANNEX 3: FOOD AND AGRICULTURE MAPS

MAP 1.
VALUE ADDED OF AGRICULTURE, FORESTRY AND FISHING BY REGION (2020)



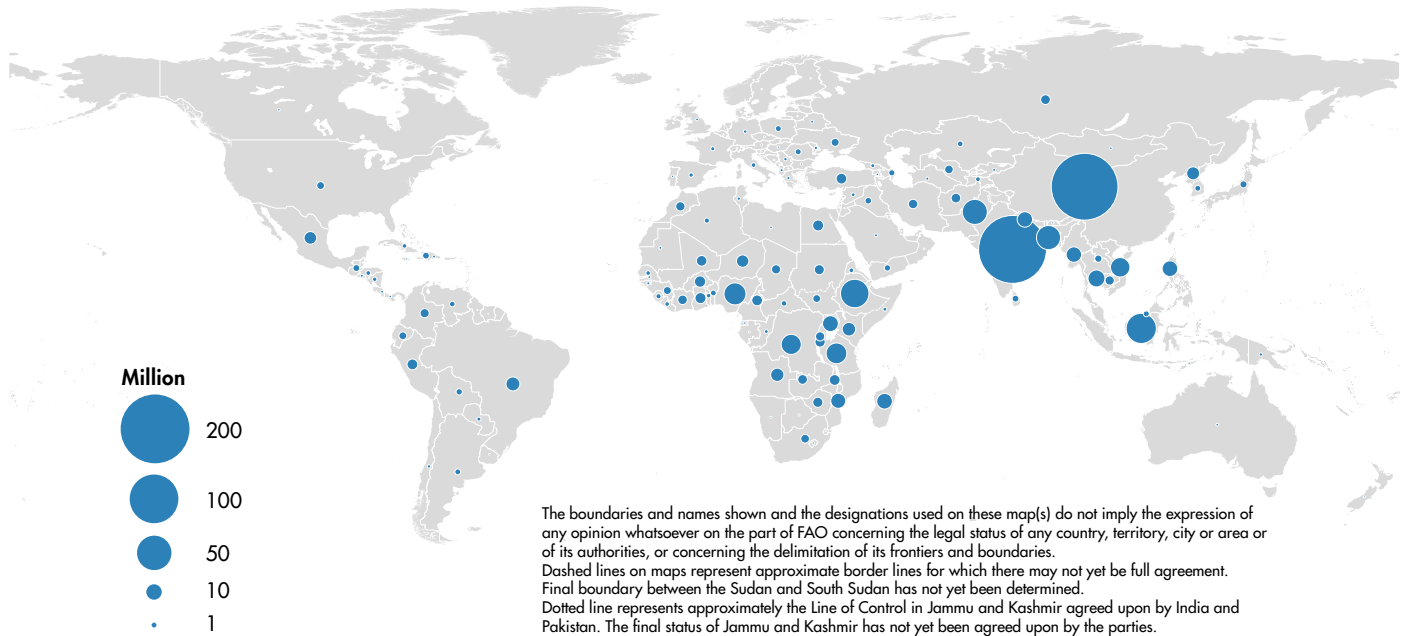
Source: FAO. 2022. FAOSTAT: Macro Indicators. In: FAO. Rome. Cited October 2022. <http://www.fao.org/faostat/en/#data/MK> based on UN Geospatial. 2020. Map geodata [shapefiles]. New York, USA, UN. <https://doi.org/10.4060/cc2211en-map01>

MAP 2.
SHARE OF AGRICULTURE, FORESTRY AND FISHING VALUE ADDED IN TOTAL GDP (2020, USD 2015 PRICES)



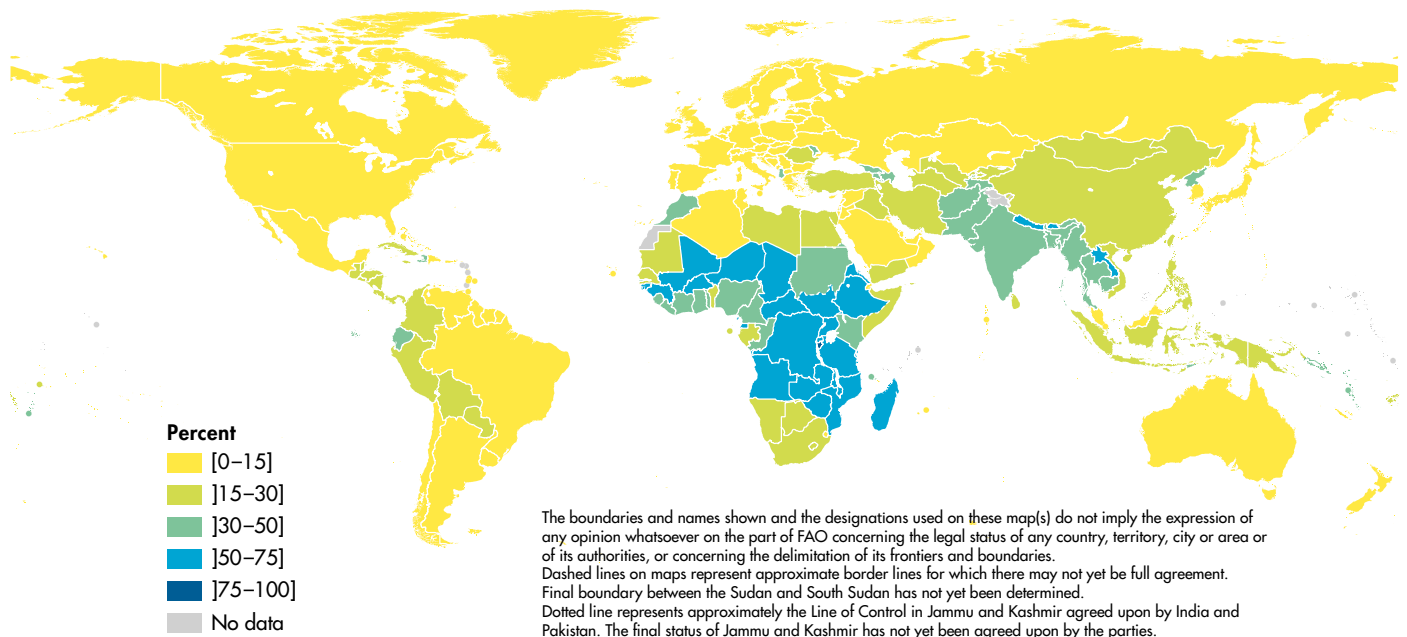
Source: FAO. 2022. FAOSTAT: Macro Indicators. In: FAO. Rome. Cited October 2022. <http://www.fao.org/faostat/en/#data/MK> based on UN Geospatial. 2020. Map geodata [shapefiles]. New York, USA, UN. <https://doi.org/10.4060/cc2211en-map02>

MAP 3.
EMPLOYMENT IN AGRICULTURE, FORESTRY AND FISHING (2021)



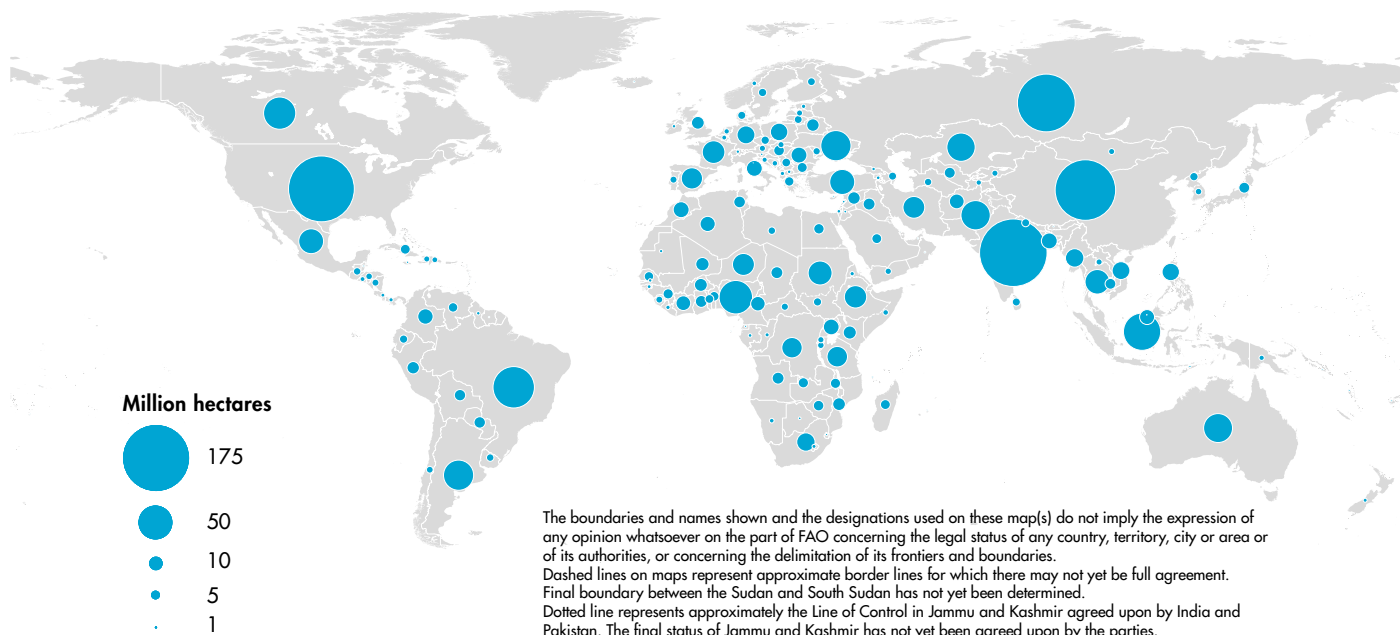
Source: FAO. 2022. FAOSTAT: Employment Indicators: Agriculture. In: FAO. Rome. Cited October 2022. <http://www.fao.org/faostat/en/#data/OEA> based on UN Geospatial. 2020. Map geodata [shapefiles]. New York, USA, UN. <https://doi.org/10.4060/cc2211en-map03>

MAP 4.
SHARE OF AGRICULTURE, FORESTRY AND FISHING EMPLOYMENT IN TOTAL EMPLOYMENT (2021)



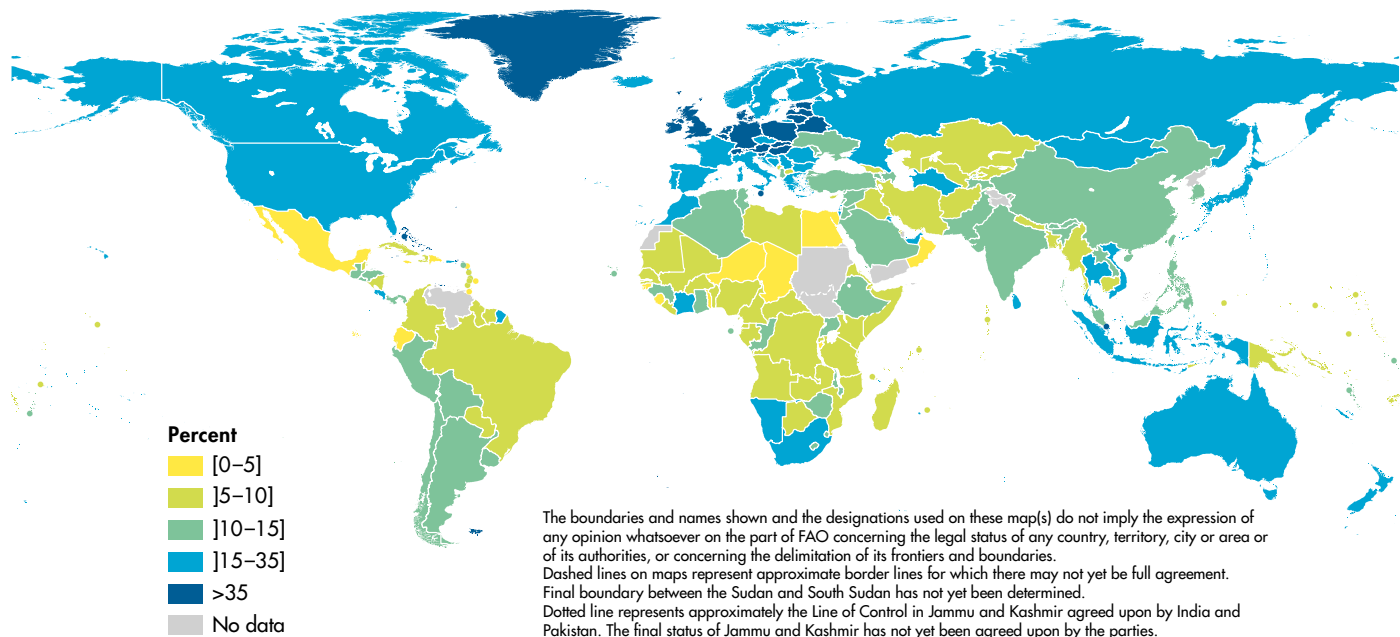
Source: FAO. 2022. FAOSTAT: Employment Indicators: Agriculture. In: FAO. Rome. Cited October 2022. <http://www.fao.org/faostat/en/#data/OEA> based on UN Geospatial. 2020. Map geodata [shapefiles]. New York, USA, UN. <https://doi.org/10.4060/cc2211en-map04>

MAP 5.
CROPLAND AREA (2020)



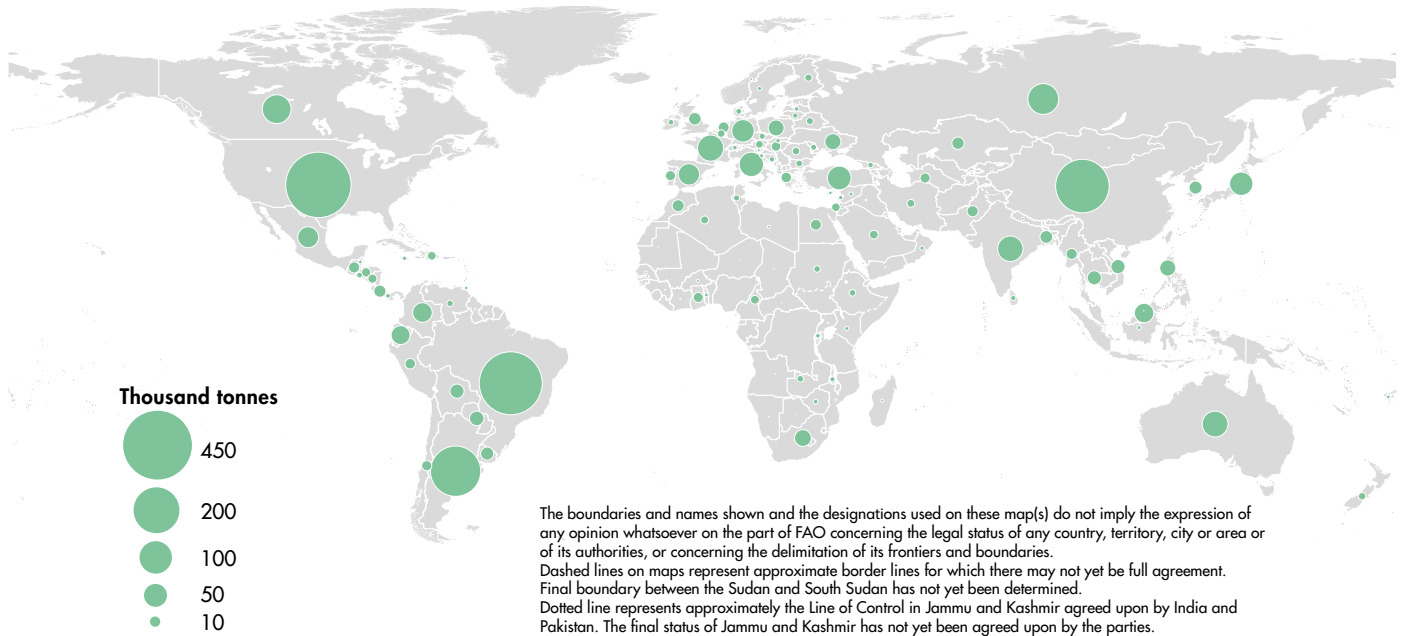
Source: FAO. 2022. FAOSTAT: Land Use. In: FAO. Rome. Cited October 2022. <http://www.fao.org/faostat/en/#data/RL> based on UN Geospatial. 2020. Map geodata [shapefiles]. New York, USA, UN.
<https://doi.org/10.4060/cc2211en-map05>

MAP 6.
GROSS FIXED CAPITAL FORMATION (AGRICULTURE, FORESTRY AND FISHING) AS A SHARE OF VALUE ADDED (2021, USD 2015 PRICES)



Source: FAO. 2022. FAOSTAT: Capital Stock. In: FAO. Rome. Cited October 2022. <http://www.fao.org/faostat/en/#data/CS> based on UN Geospatial. 2020. Map geodata [shapefiles]. New York, USA, UN.
<https://doi.org/10.4060/cc2211en-map06>

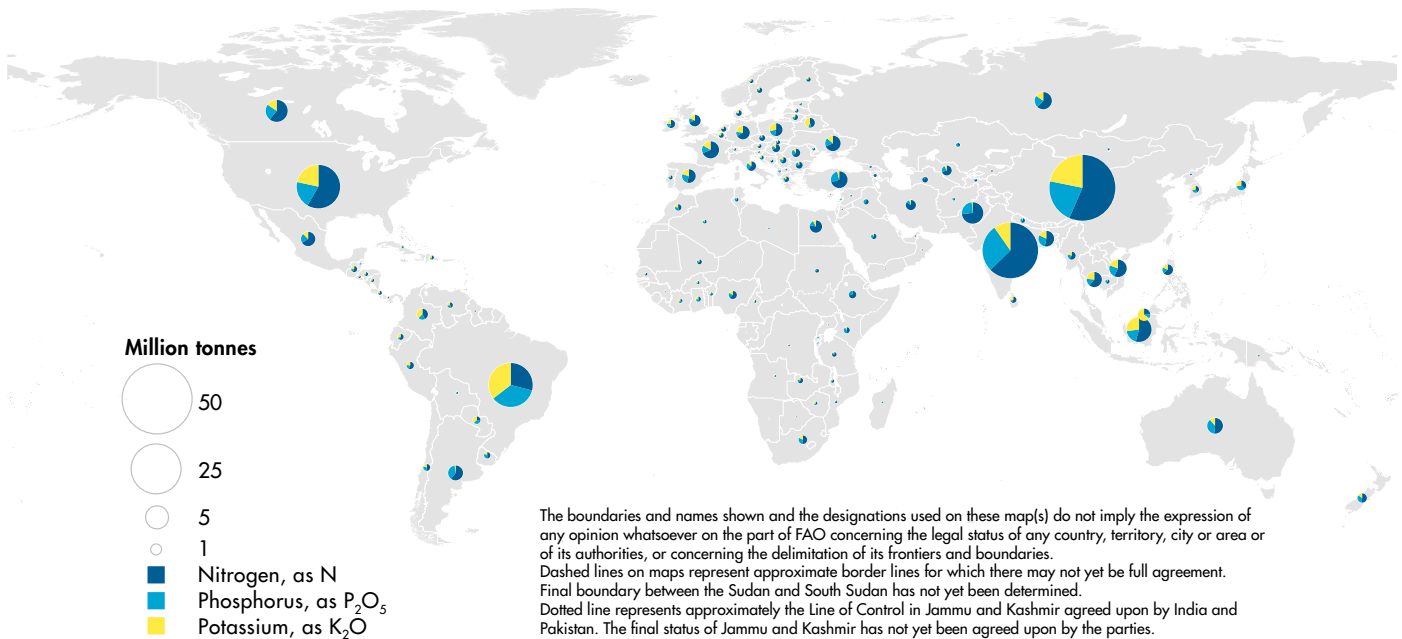
MAP 7.
PESTICIDE USE (2020)



Source: FAO. 2022. FAOSTAT: Pesticides Use. In: FAO. Rome. Cited October 2022. <http://www.fao.org/faostat/en/#data/RP> based on UN Geospatial. 2020. Map geodata [shapefiles]. New York, USA, UN.

<https://doi.org/10.4060/cc2211en-map07>

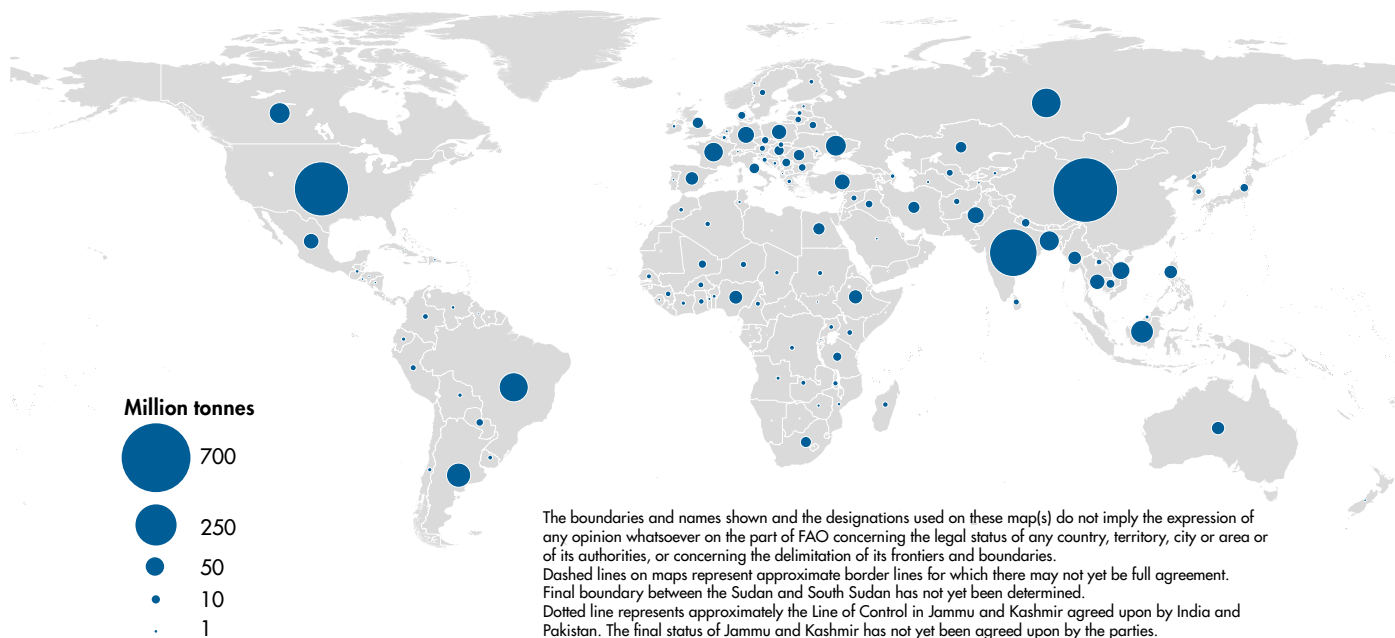
MAP 8.
INORGANIC FERTILIZER USE (2020)



Source: FAO. 2022. FAOSTAT: Fertilizers by Nutrient. In: FAO. Rome. Cited October 2022. <http://www.fao.org/faostat/en/#data/RFN> based on UN Geospatial. 2020. Map geodata [shapefiles]. New York, USA, UN.

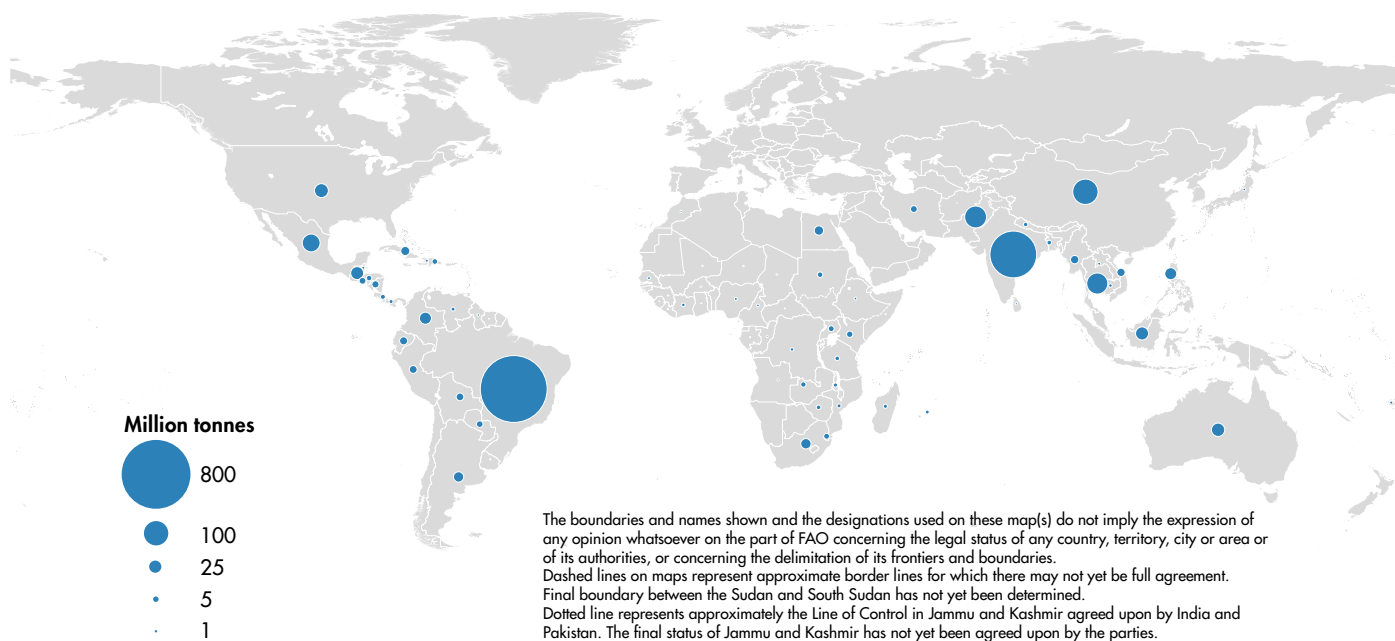
<https://doi.org/10.4060/cc2211en-map08>

MAP 9.
 PRODUCTION OF CEREALS (2020)



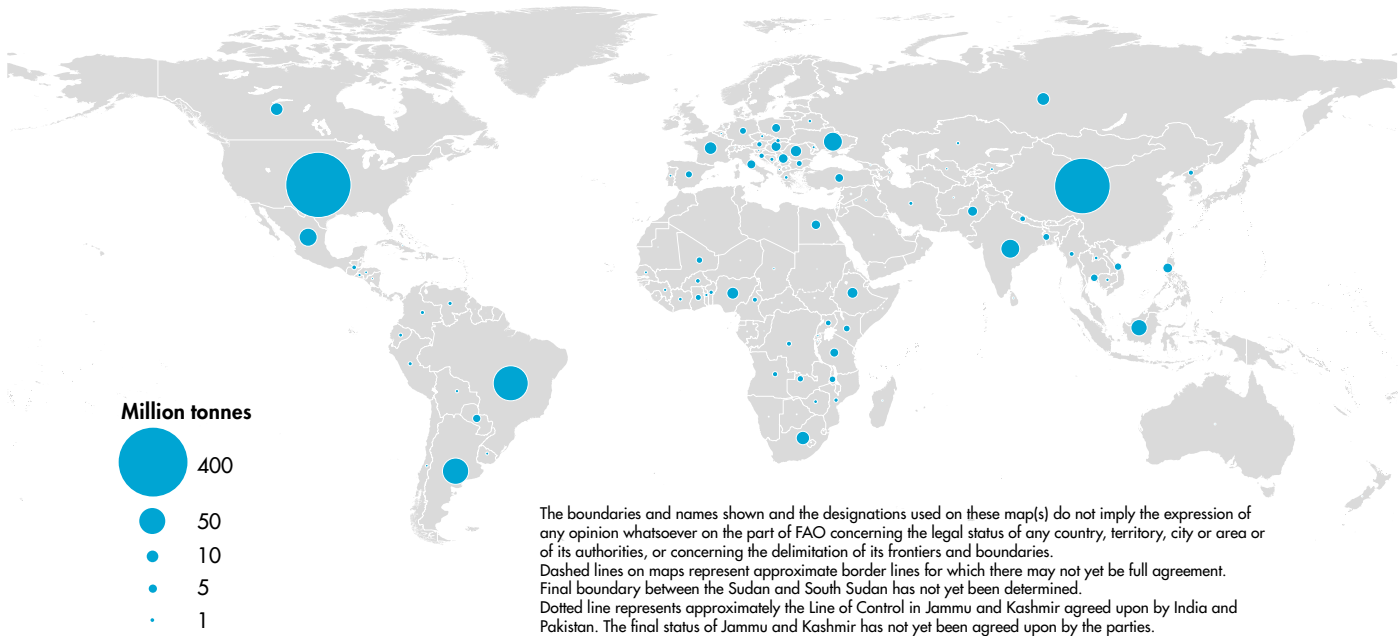
Source: FAO. 2022. FAOSTAT: Production: Crops and livestock products. In: FAO. Rome. Cited October 2022. <https://www.fao.org/faostat/en/#data/QCL> based on UN Geospatial. 2020. Map geodata [shapefiles]. New York, USA, UN. <https://doi.org/10.4060/cc2211en-map09>

MAP 10.
 PRODUCTION OF SUGAR CANE (2020)



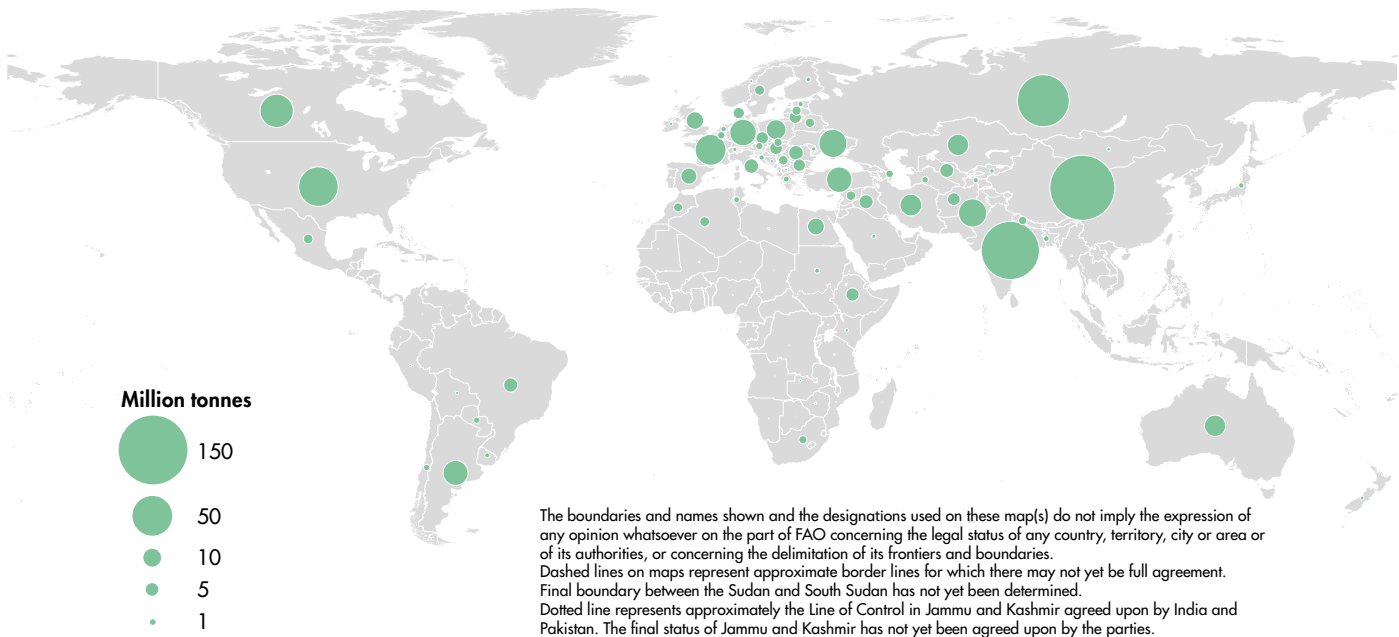
Source: FAO. 2022. FAOSTAT: Production: Crops and livestock products. In: FAO. Rome. Cited October 2022. <https://www.fao.org/faostat/en/#data/QCL> based on UN Geospatial. 2020. Map geodata [shapefiles]. New York, USA, UN. <https://doi.org/10.4060/cc2211en-map10>

MAP 11.
PRODUCTION OF MAIZE (2020)



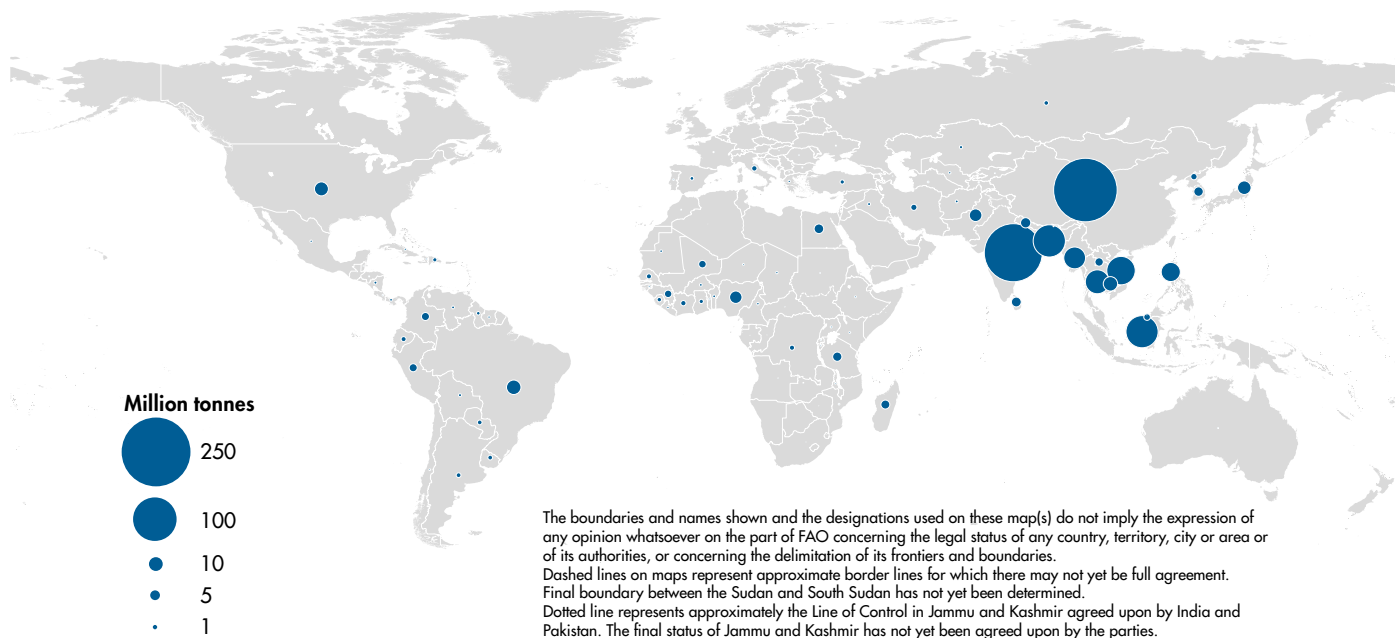
Source: FAO. 2022. FAOSTAT: Production: Crops and livestock products. In: FAO. Rome. Cited October 2022. <https://www.fao.org/faostat/en/#data/QCL> based on UN Geospatial. 2020. Map geodata [shapefiles]. New York, USA, UN. <https://doi.org/10.4060/cc2211en-map11>

MAP 12.
PRODUCTION OF WHEAT (2020)



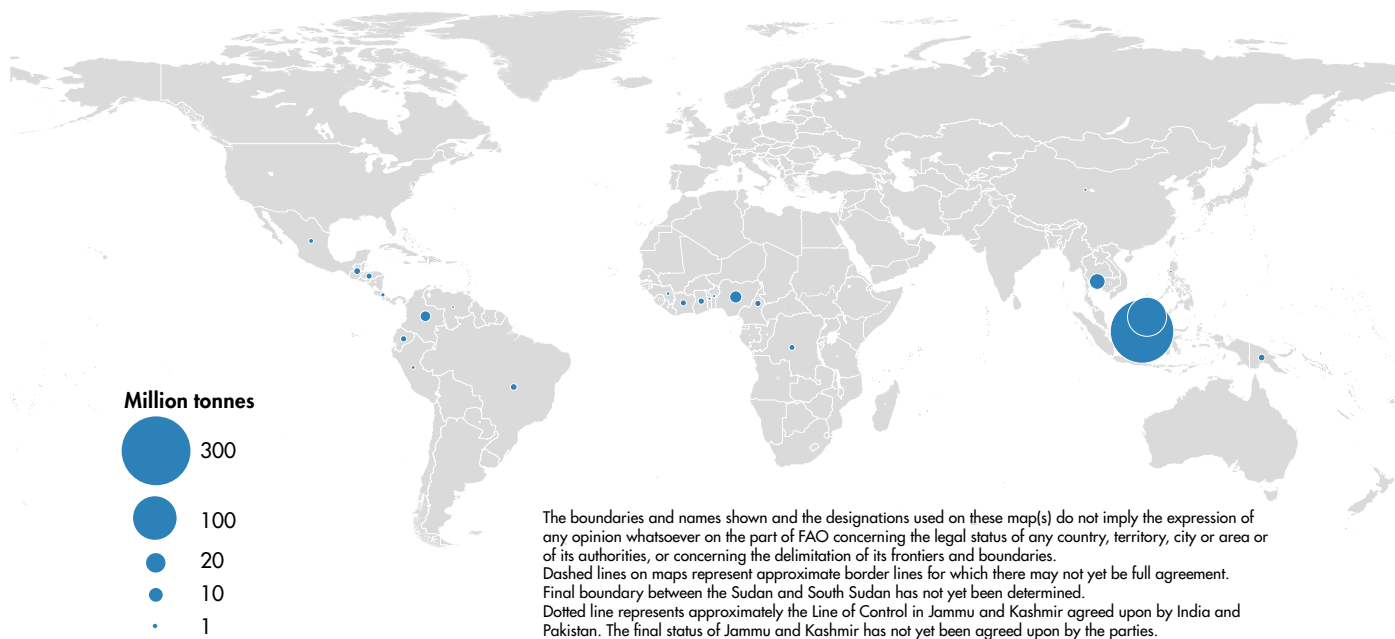
Source: FAO. 2022. FAOSTAT: Production: Crops and livestock products. In: FAO. Rome. Cited October 2022. <https://www.fao.org/faostat/en/#data/QCL> based on UN Geospatial. 2020. Map geodata [shapefiles]. New York, USA, UN. <https://doi.org/10.4060/cc2211en-map12>

MAP 13.
PRODUCTION OF RICE (2020)



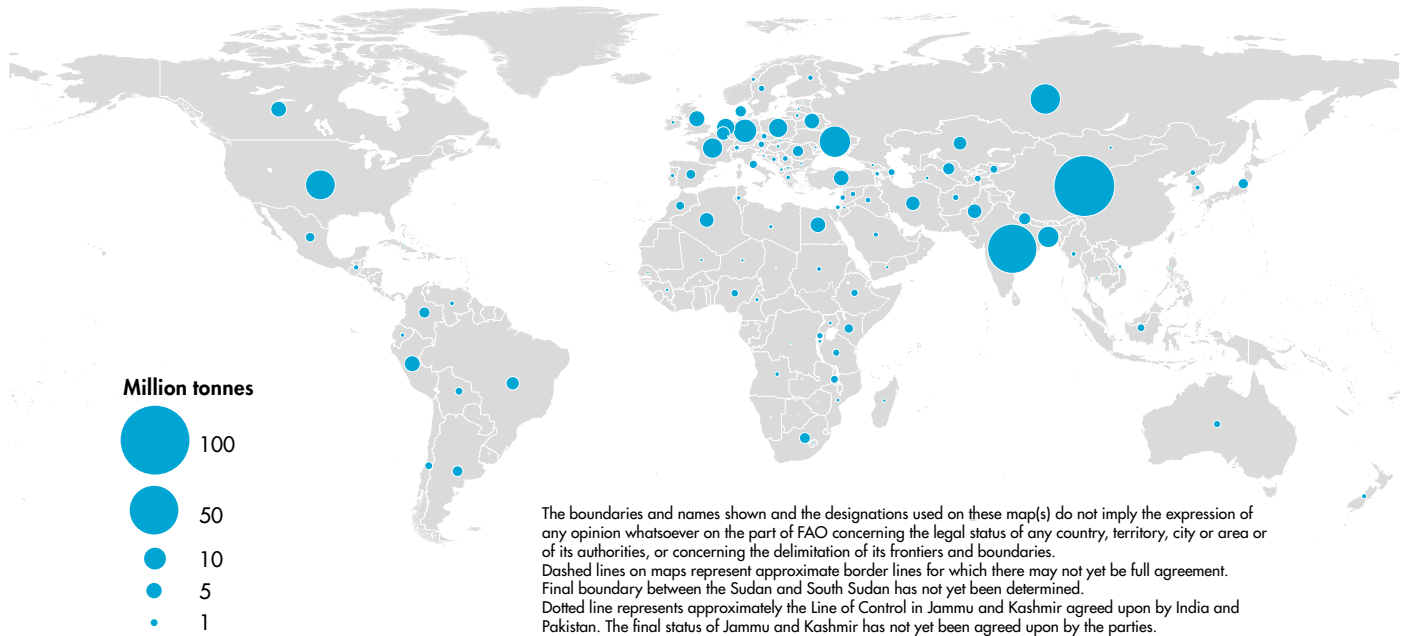
Source: FAO. 2022. FAOSTAT: Production: Crops and livestock products. In: FAO. Rome. Cited October 2022. <https://www.fao.org/faostat/en/#data/QCL> based on UN Geospatial. 2020. Map geodata [shapefiles]. New York, USA, UN. <https://doi.org/10.4060/cc2211en-map13>

MAP 14.
PRODUCTION OF OIL PALM FRUIT (2020)



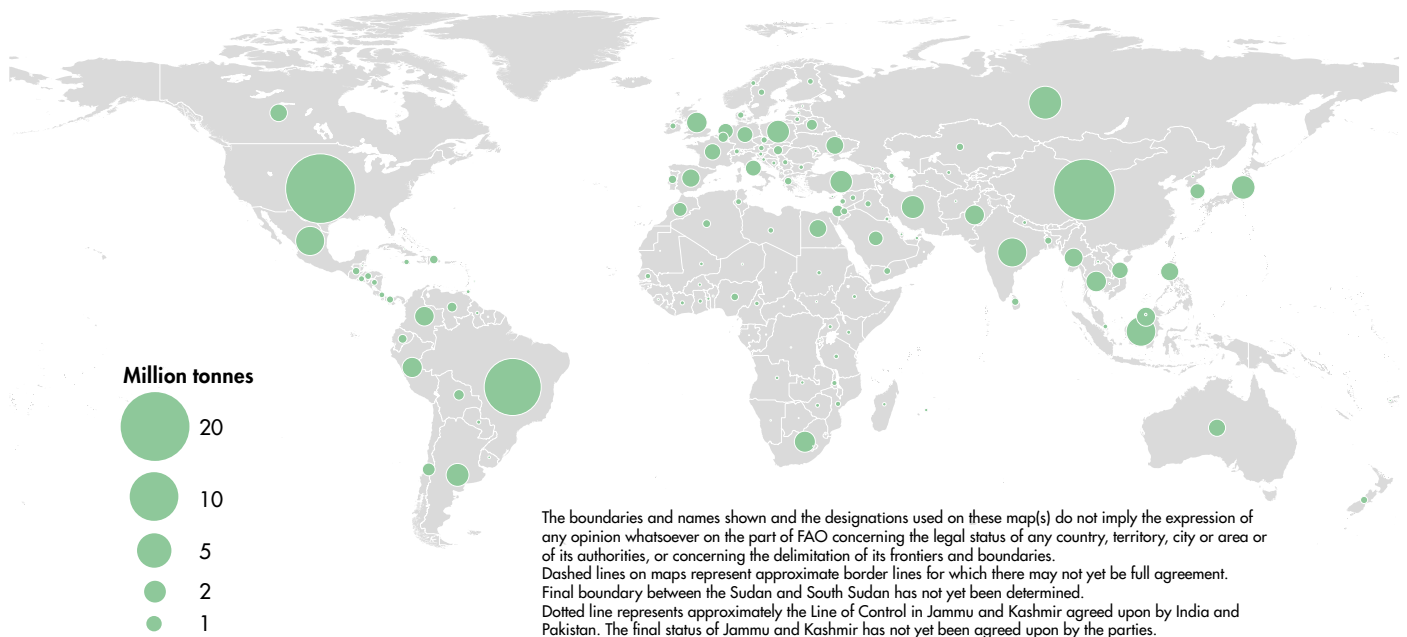
Source: FAO. 2022. FAOSTAT: Production: Crops and livestock products. In: FAO. Rome. Cited October 2022. <https://www.fao.org/faostat/en/#data/QCL> based on UN Geospatial. 2020. Map geodata [shapefiles]. New York, USA, UN. <https://doi.org/10.4060/cc2211en-map14>

MAP 15.
PRODUCTION OF POTATOES (2020)



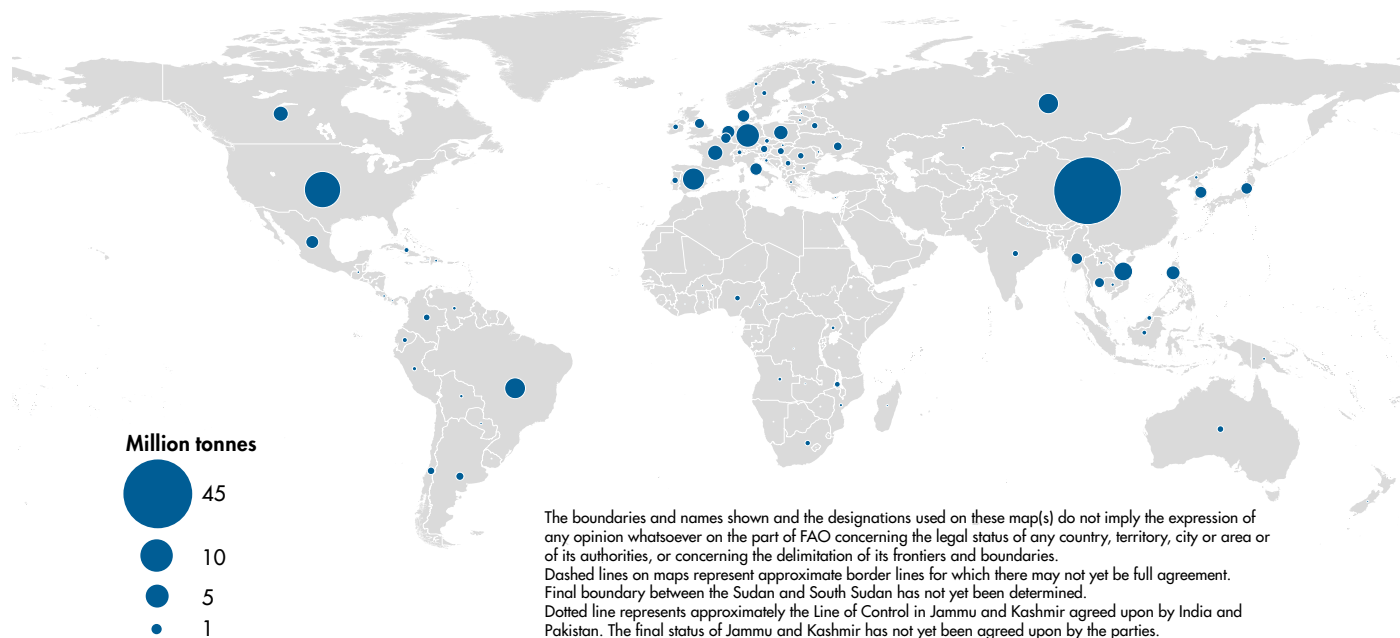
Source: FAO. 2022. FAOSTAT: Production: Crops and livestock products. In: FAO. Rome. Cited October 2022. <https://www.fao.org/faostat/en/#data/QCL> based on UN Geospatial. 2020. Map geodata [shapefiles]. New York, USA, UN. <https://doi.org/10.4060/cc2211en-map15>

MAP 16.
PRODUCTION OF CHICKEN MEAT (2020)



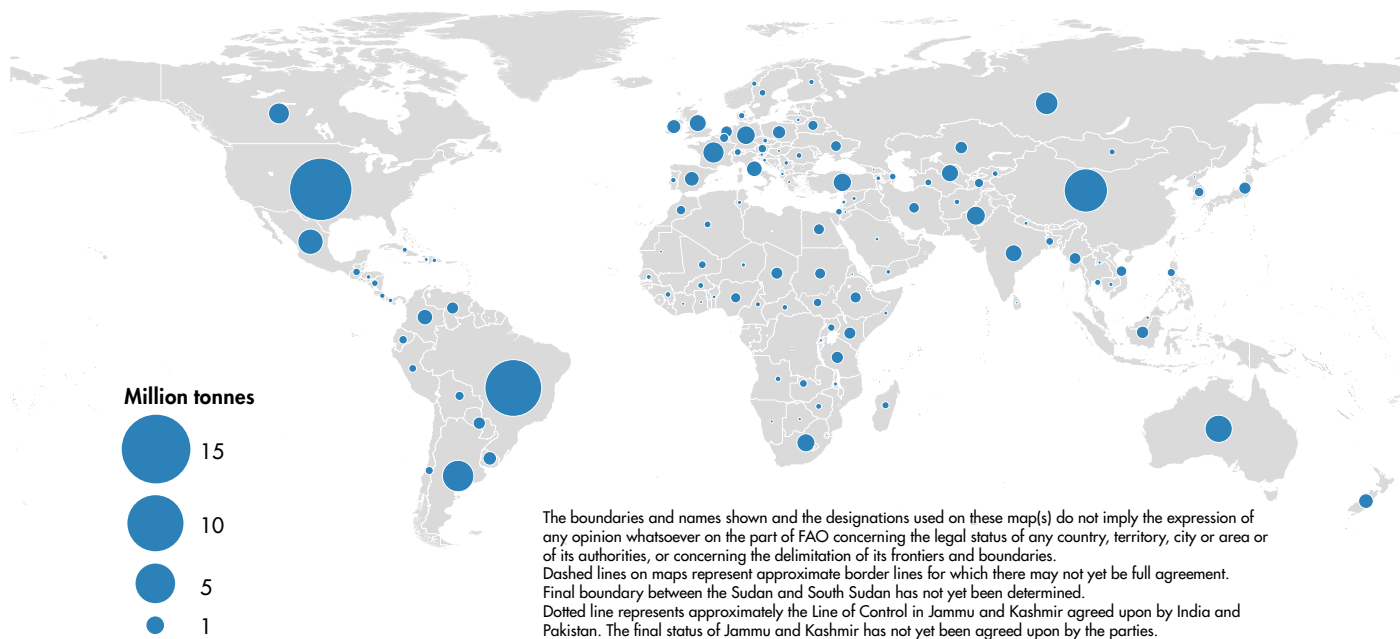
Source: FAO. 2022. FAOSTAT: Production: Crops and livestock products. In: FAO. Rome. Cited October 2022. <https://www.fao.org/faostat/en/#data/QCL> based on UN Geospatial. 2020. Map geodata [shapefiles]. New York, USA, UN. <https://doi.org/10.4060/cc2211en-map16>

MAP 17.
PRODUCTION OF PIG MEAT (2020)



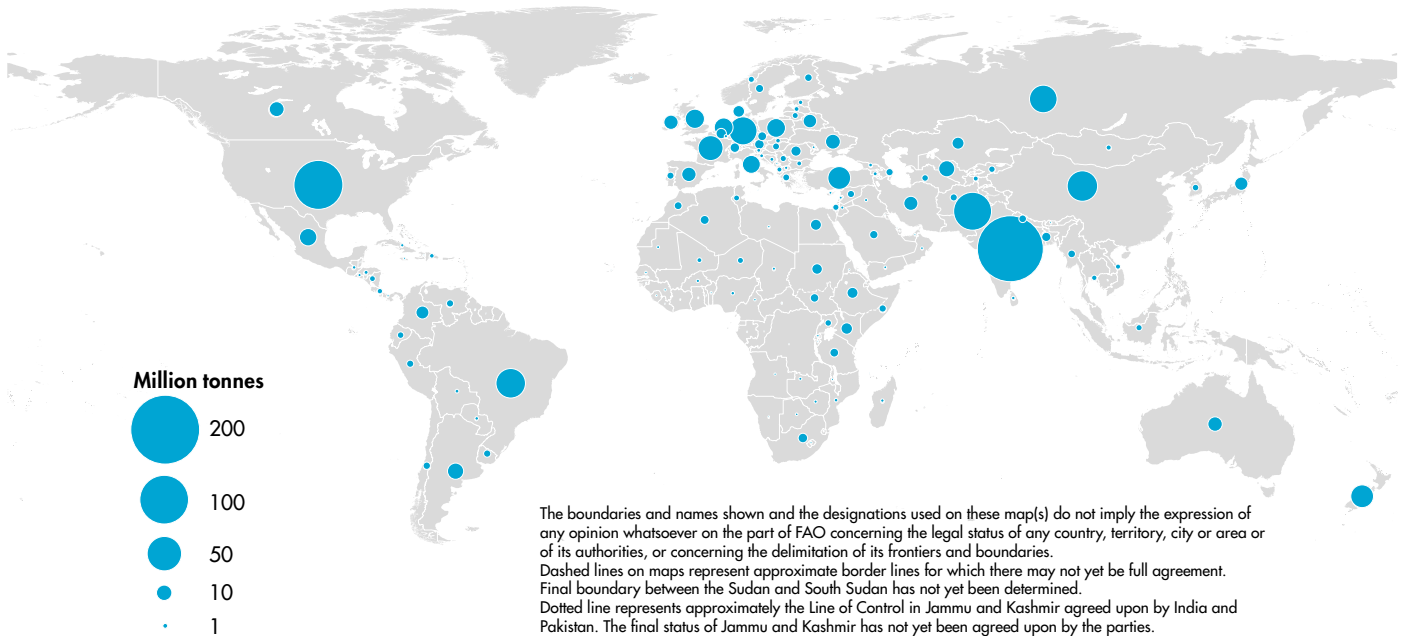
Source: FAO. 2022. FAOSTAT: Production: Crops and livestock products. In: FAO. Rome. Cited October 2022. <https://www.fao.org/faostat/en/#data/QCL> based on UN Geospatial. 2020. Map geodata [shapefiles]. New York, USA, UN. <https://doi.org/10.4060/cc2211en-map17>

MAP 18.
PRODUCTION OF CATTLE MEAT (2020)



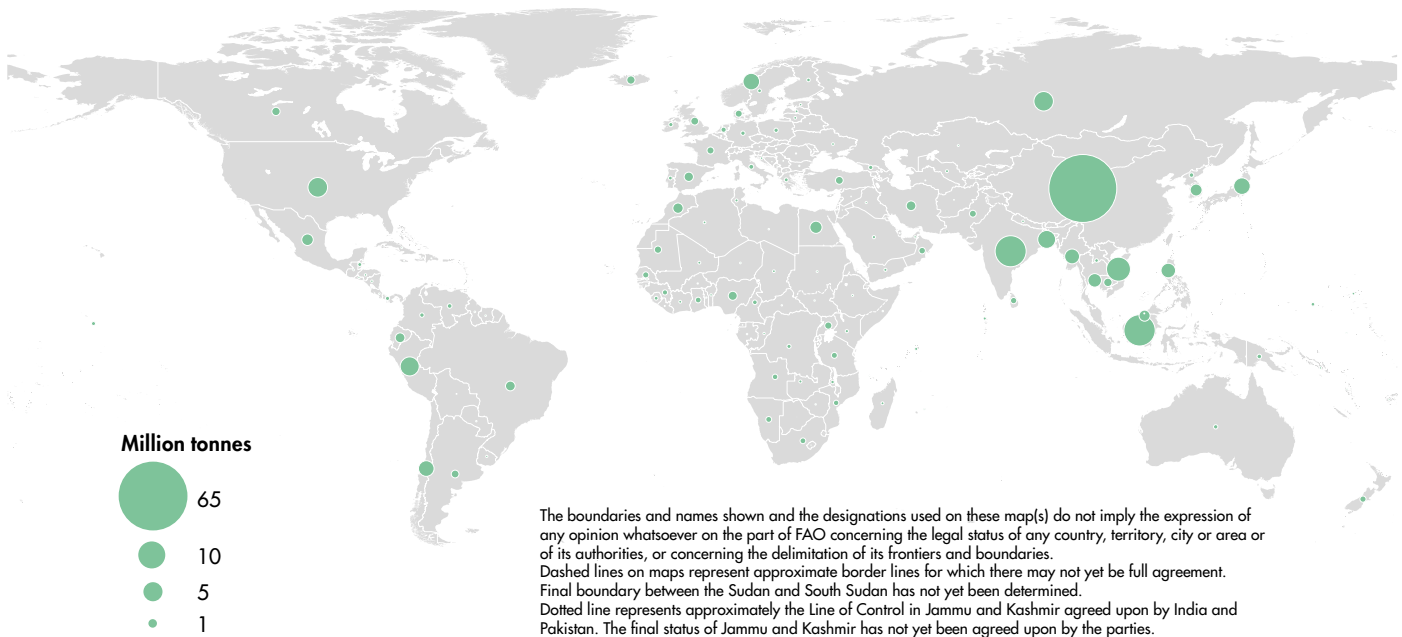
Source: FAO. 2022. FAOSTAT: Production: Crops and livestock products. In: FAO. Rome. Cited October 2022. <https://www.fao.org/faostat/en/#data/QCL> based on UN Geospatial. 2020. Map geodata [shapefiles]. New York, USA, UN. <https://doi.org/10.4060/cc2211en-map18>

MAP 19.
PRODUCTION OF MILK (2020)



Source: FAO. 2022. FAOSTAT: Production: Crops and livestock products. In: FAO. Rome. Cited October 2022. <https://www.fao.org/faostat/en/#data/QCL> based on UN Geospatial. 2020. Map geodata [shapefiles]. New York, USA, UN. <https://doi.org/10.4060/cc2211en-map19>

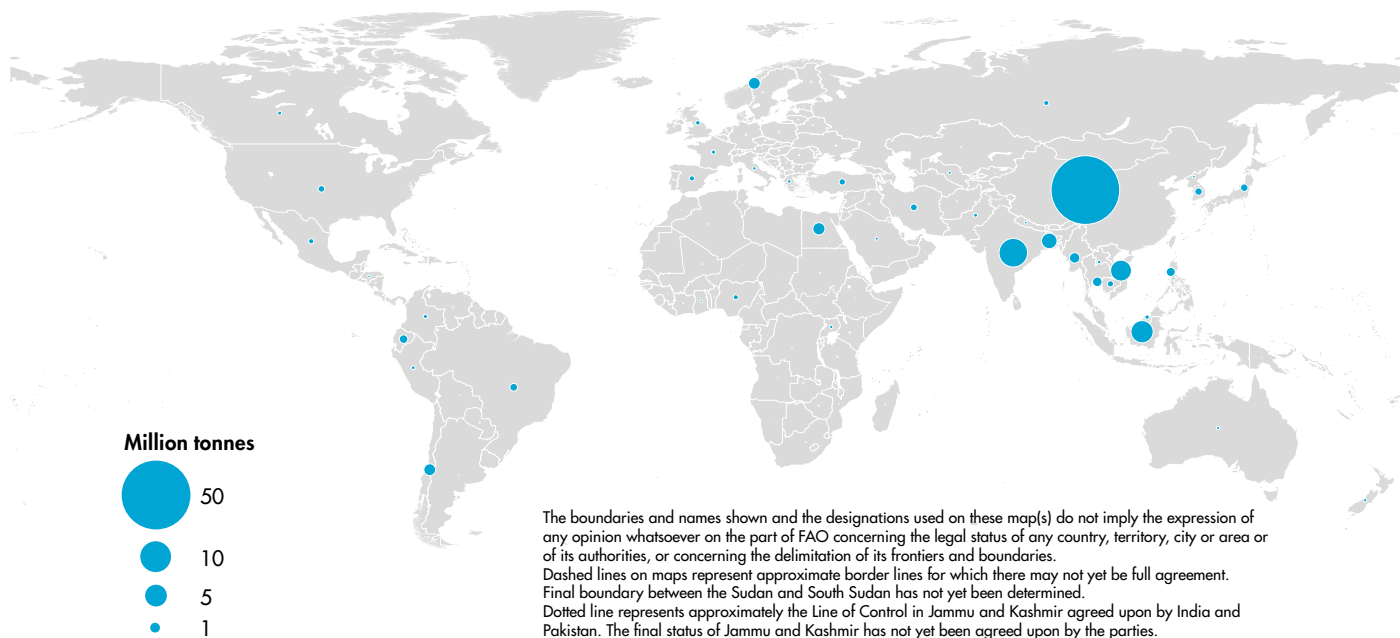
MAP 20.
CAPTURE FISHERIES AND AQUACULTURE PRODUCTION (2020)



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

Source: FAO. 2022. Fisheries and Aquaculture: Global production by production source Quantity (1950 - 2020). In: FAO. Rome. Cited October 2022. https://www.fao.org/fishery/statistics-query/en/global_production/global_production_quantity based on UN Geospatial. 2020. Map geodata [shapefiles]. New York, USA, UN. <https://doi.org/10.4060/cc2211en-map20>

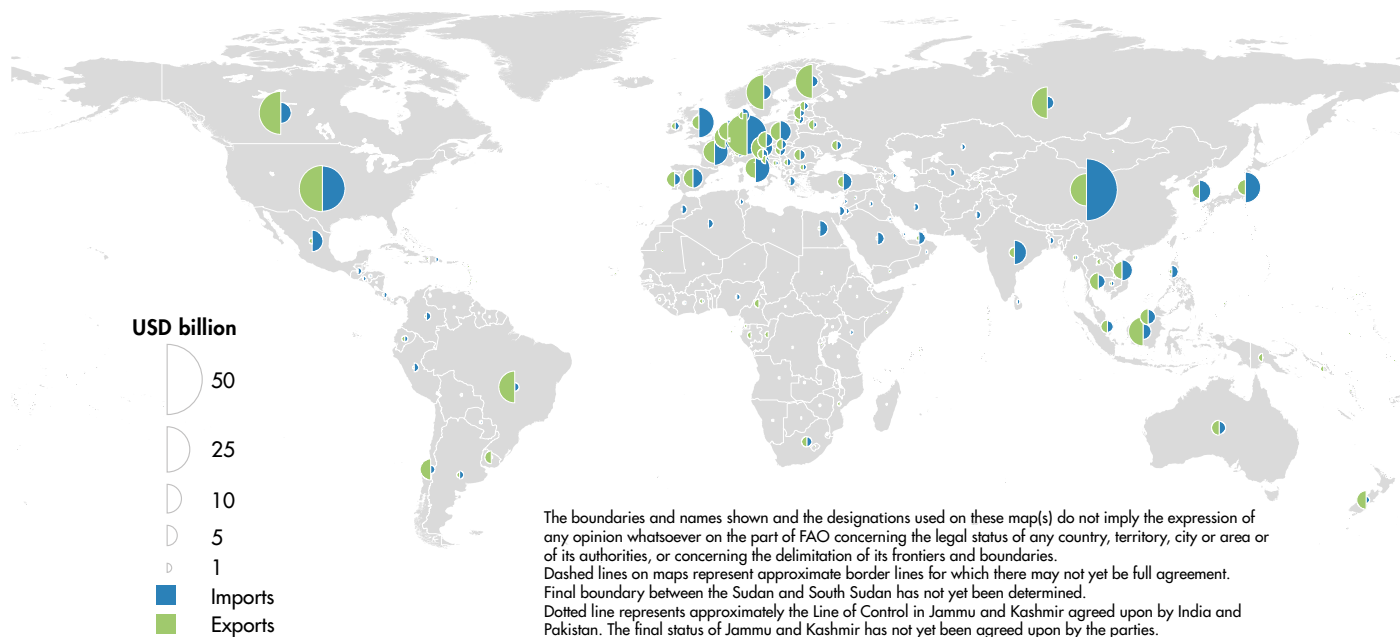
MAP 21.
AQUACULTURE PRODUCTION (2020)



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

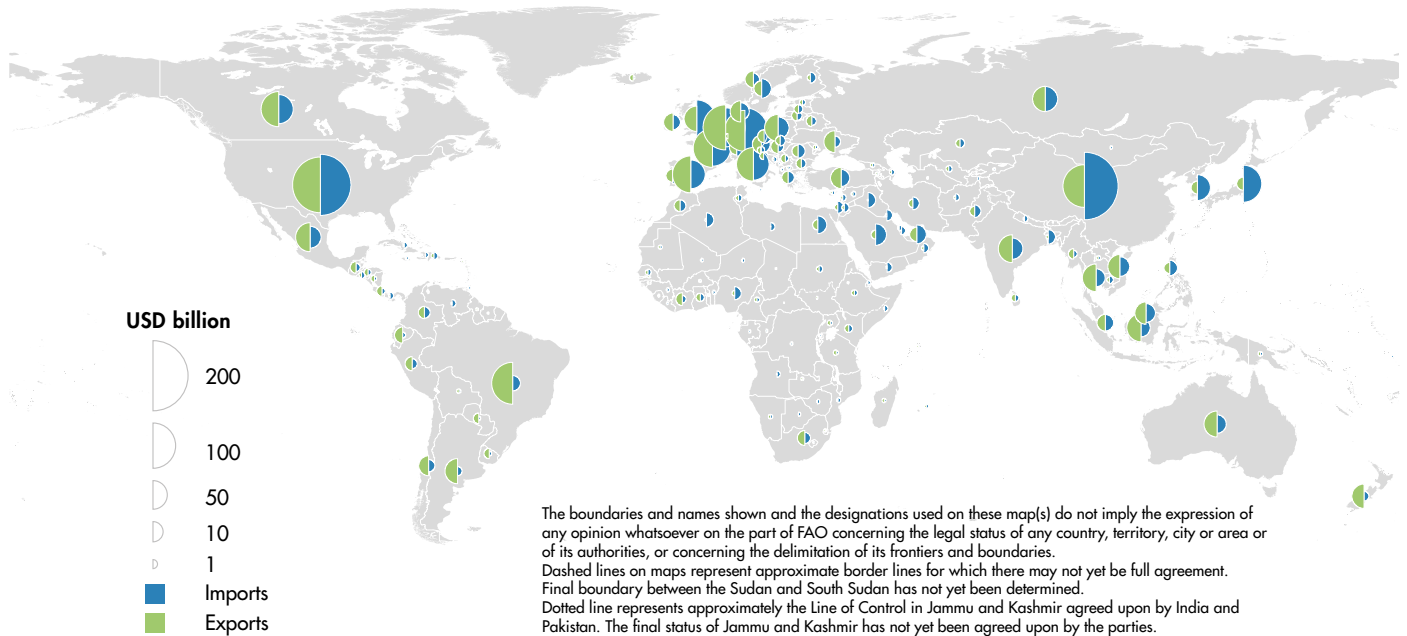
Source: FAO. 2022. Fisheries and Aquaculture: Global production by production source Quantity (1950 - 2020). In: FAO. Rome. Cited October 2022. https://www.fao.org/fishery/statistics-query/en/global_production/global_production_quantity based on UN Geospatial. 2020. Map geodata [shapefiles]. New York, USA, UN. <https://doi.org/10.4060/cc2211en-map21>

MAP 22.
IMPORTERS AND EXPORTERS OF FOREST PRODUCTS (2020)



Source: FAO. 2022. FAOSTAT: Forestry Production and Trade. In: FAO. Rome. Cited October 2022. <https://www.fao.org/faostat/en/#data/FO> based on UN Geospatial. 2020. Map geodata [shapefiles]. New York, USA, UN. <https://doi.org/10.4060/cc2211en-map22>

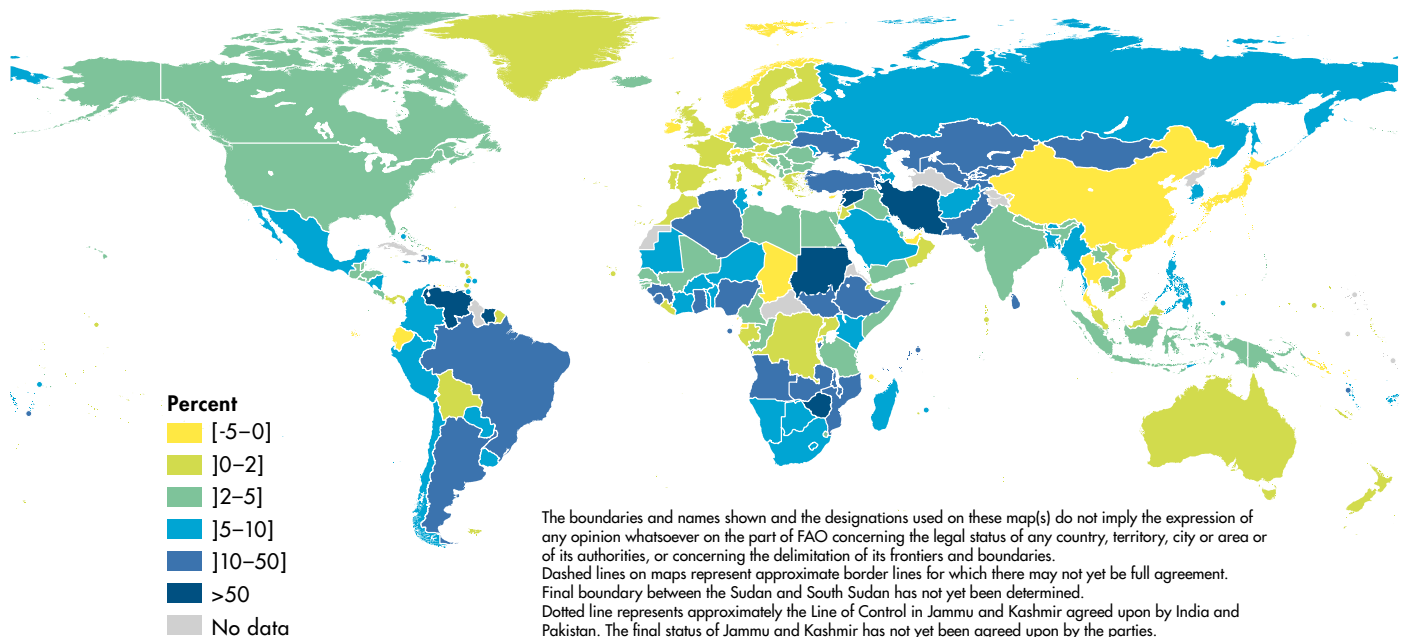
MAP 23.
IMPORTERS AND EXPORTERS OF FOOD (2020)



Note: Values for fish exclude trade of aquatic mammals, crocodiles, alligators and caimans, fishmeal, fish oil, ornamental fish, fish for culture and algae.

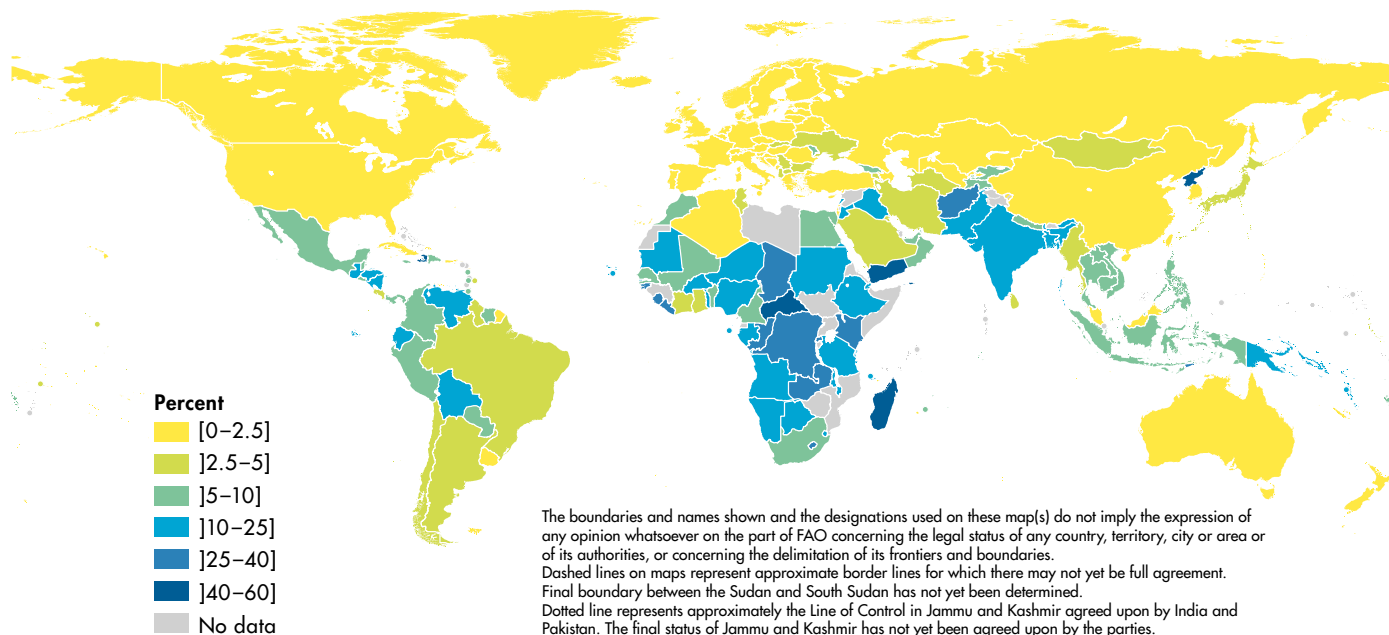
Source: FAO. 2022. FAOSTAT: Trade: Crops and livestock products. In: FAO. Rome. Cited October 2022. <https://www.fao.org/faostat/en/#data/TCL> and FAO. 2022. Fisheries and Aquaculture: Global fish trade - All partners aggregated Value (1976 - 2020). In: FAO. Rome. Cited October 2022. https://www.fao.org/fishery/statistics-query/en/trade/trade_value based on UN Geospatial. 2020. Map geodata [shapefiles]. New York, USA, UN. <https://doi.org/10.4060/cc2211en-map23>

MAP 24.
INFLATION IN FOOD CONSUMER PRICES (2021 AVERAGE)



Source: FAO. 2022. FAOSTAT: Consumer Price Indices. In: FAO. Rome. Cited October 2022. <https://www.fao.org/faostat/en/#data/CP> based on UN Geospatial. 2020. Map geodata [shapefiles]. New York, USA, UN. <https://doi.org/10.4060/cc2211en-map24>

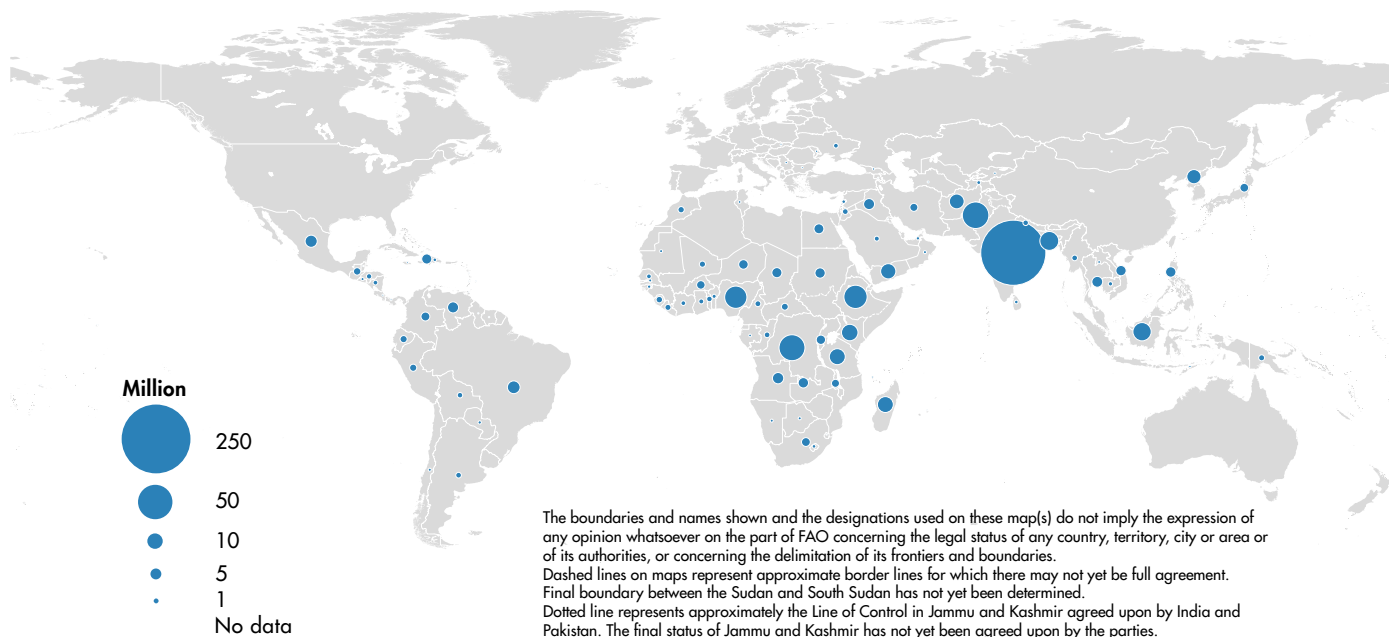
MAP 25.
PREVALENCE OF UNDERNOURISHMENT (2019–2021 AVERAGE)



Note: Projected values for 2020 and 2021 are based on the middle of the projected range.

Source: FAO. 2022. FAOSTAT: Suite of Food Security Indicators. In: FAO. Rome. Cited October 2022. <https://www.fao.org/faostat/en/#data/FS> based on UN Geospatial. 2020. Map geodata [shapefiles]. New York, USA, UN. <https://doi.org/10.4060/cc2211en-map25>

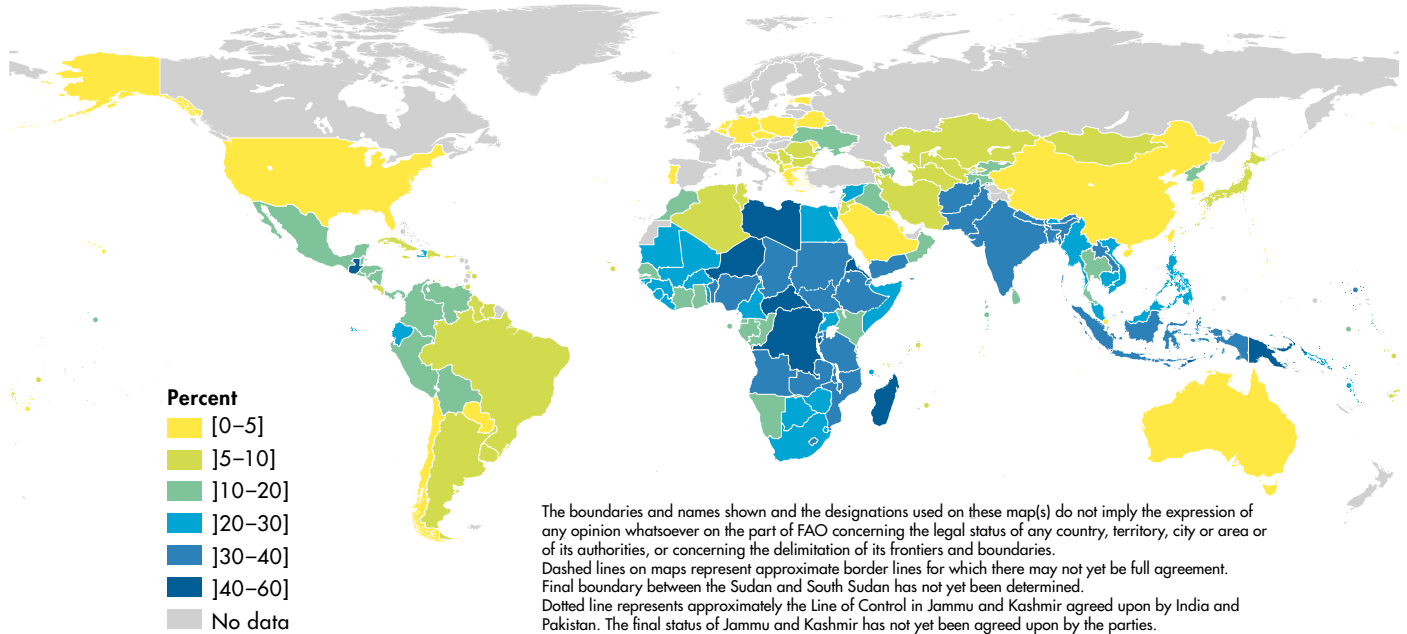
MAP 26.
NUMBER OF UNDERNOURISHED PEOPLE (2019–2021 AVERAGE)



Note: Projected values for 2020 and 2021 are based on the middle of the projected range.

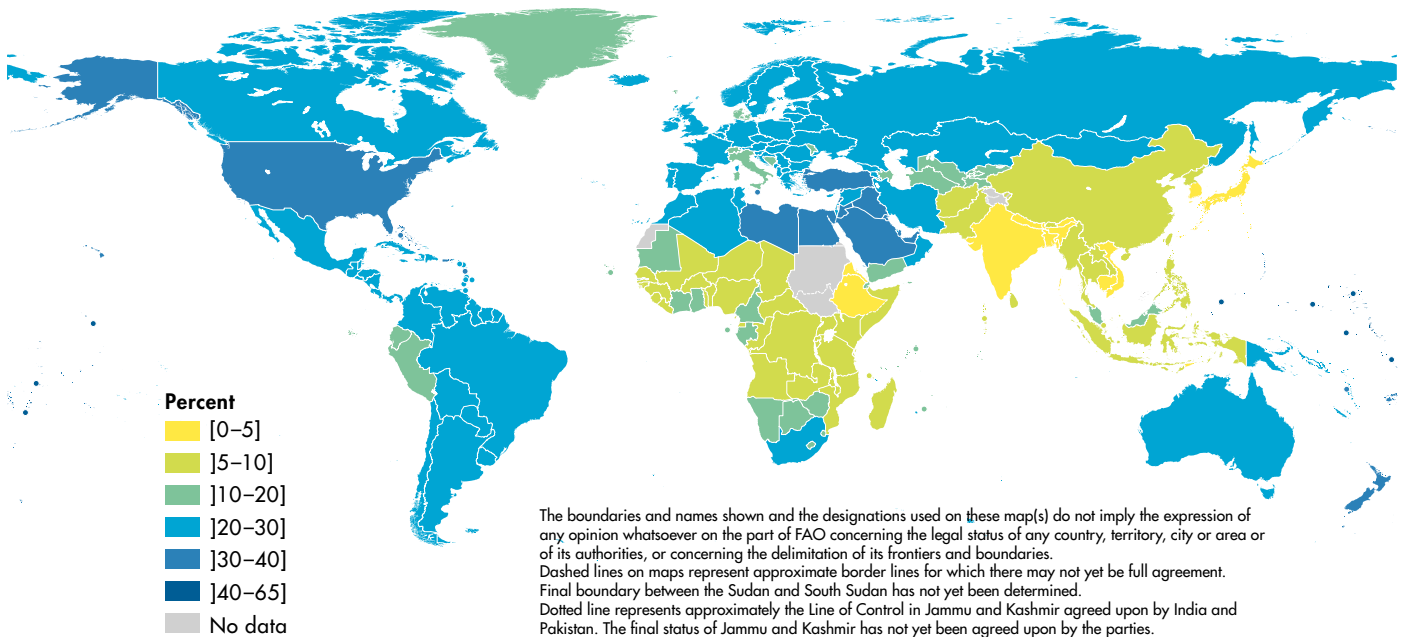
Source: FAO. 2022. FAOSTAT: Suite of Food Security Indicators. In: FAO. Rome. Cited October 2022. <https://www.fao.org/faostat/en/#data/FS> based on UN Geospatial. 2020. Map geodata [shapefiles]. New York, USA, UN. <https://doi.org/10.4060/cc2211en-map26>

MAP 27.
PREVALENCE OF STUNTING IN CHILDREN UNDER 5 YEARS (2020)



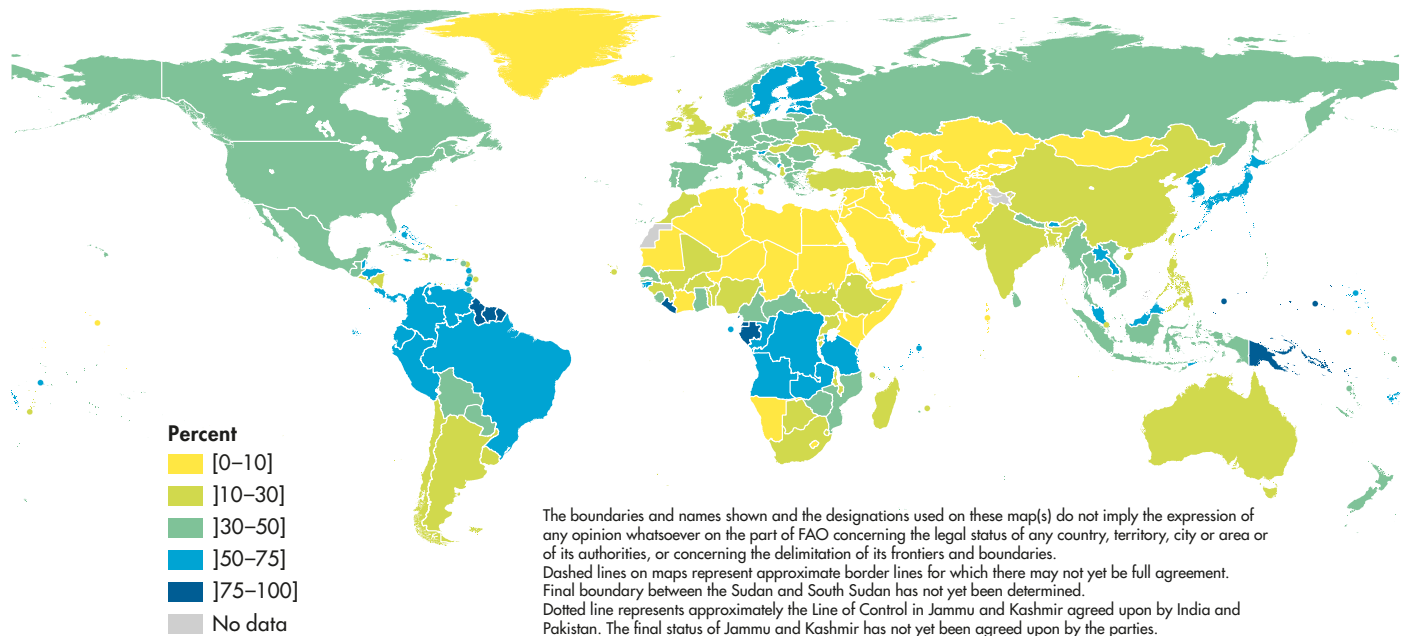
Source: FAO. 2022. FAOSTAT: Suite of Food Security Indicators. In: FAO. Rome. Cited October 2022. <https://www.fao.org/faostat/en/#data/FS> based on UN Geospatial. 2020. Map geodata [shapefiles]. New York, USA, UN. <https://doi.org/10.4060/cc2211en-map27>

MAP 28.
PREVALENCE OF OBESITY IN THE ADULT POPULATION (2016)



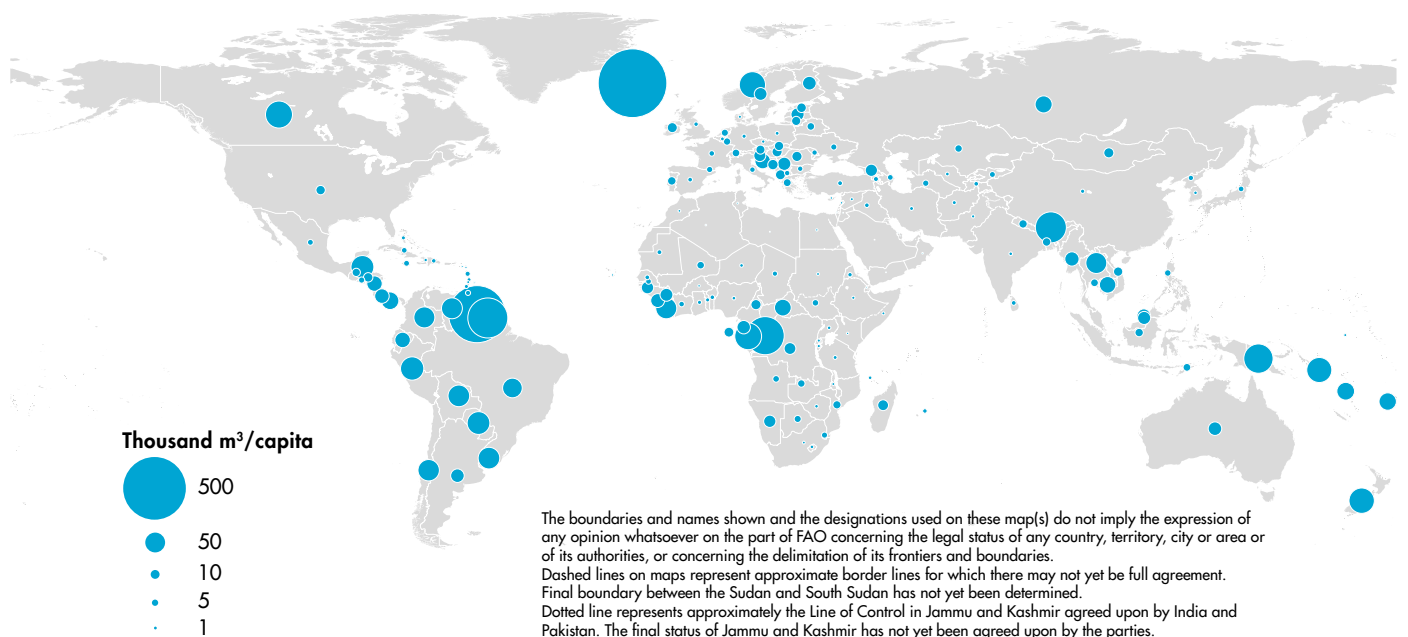
Source: FAO. 2022. FAOSTAT: Suite of Food Security Indicators. In: FAO. Rome. Cited October 2022. <https://www.fao.org/faostat/en/#data/FS> based on UN Geospatial. 2020. Map geodata [shapefiles]. New York, USA, UN. <https://doi.org/10.4060/cc2211en-map28>

MAP 29.
SHARE OF FOREST AREA IN LAND AREA (2020)



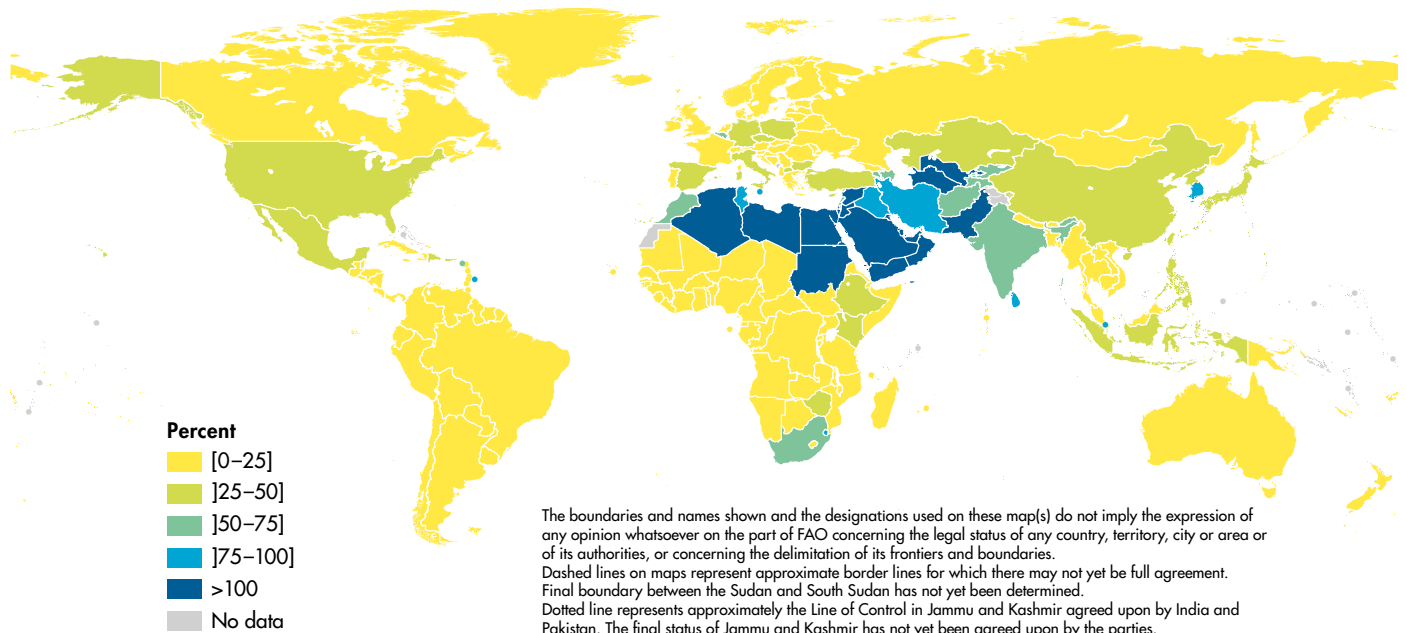
Source: FAO. 2022. FAOSTAT: Land use indicators. In: FAO. Rome. Cited October 2022. <http://www.fao.org/faostat/en/#data/EL> based on UN Geospatial. 2020. Map geodata [shapefiles]. New York, USA, UN.
<https://doi.org/10.4060/cc2211en-map29>

MAP 30.
TOTAL RENEWABLE WATER RESOURCES PER CAPITA (2019)



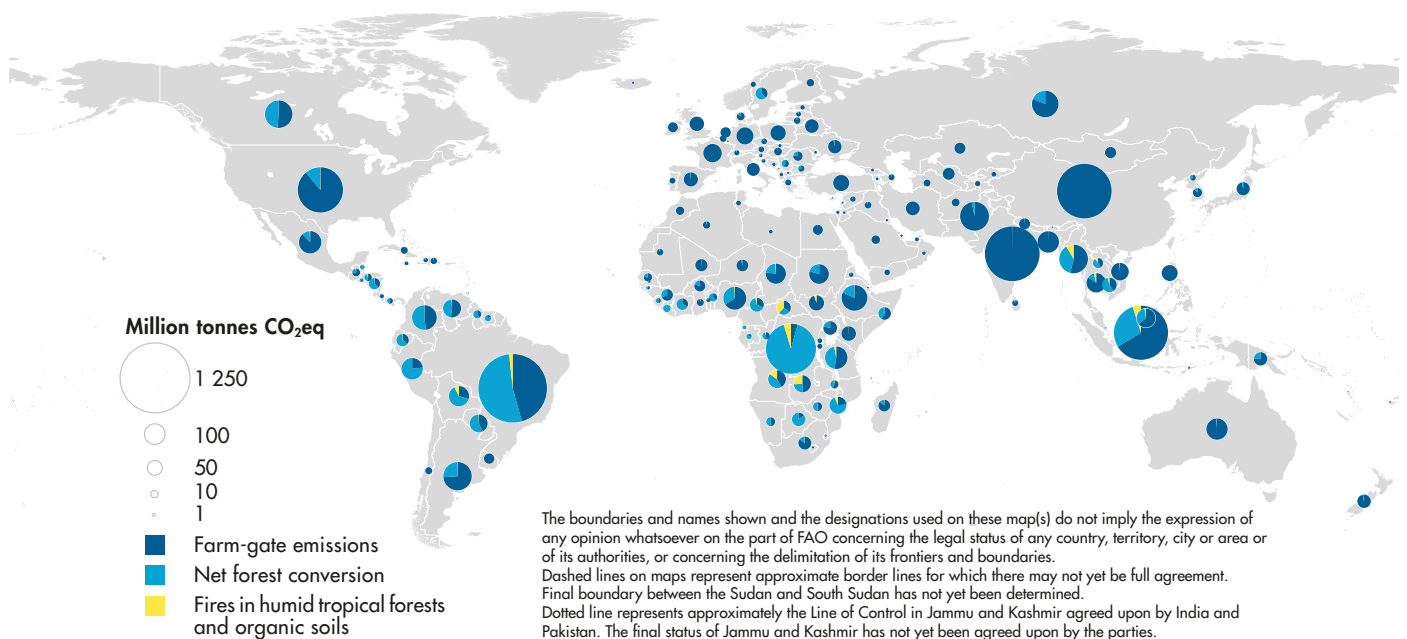
Source: FAO. 2022. AQUASTAT. In: FAO. Rome. Cited October 2022. <https://www.fao.org/aquastat/statistics/query/index.html?lang=en> based on UN Geospatial. 2020. Map geodata [shapefiles]. New York, USA, UN.
<https://doi.org/10.4060/cc2211en-map30>

MAP 31.
WATER STRESS (2019)



Source: FAO. 2022. AQUASTAT. In: FAO. Rome. Cited October 2022. <https://www.fao.org/faostat/en/#data/SDGB> based on UN Geospatial. 2020. Map geodata [shapefiles]. New York, USA, UN. <https://doi.org/10.4060/cc2211en-map31>

MAP 32.
GREENHOUSE GAS EMISSIONS ON AGRICULTURAL LAND (2020)



Source: FAO. 2022. FAOSTAT: Emissions Totals. In: FAO. Rome. Cited October 2022. <https://www.fao.org/faostat/en/#data/GT> based on UN Geospatial. 2020. Map geodata [shapefiles]. New York, USA, UN. <https://doi.org/10.4060/cc2211en-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	2016	2017	2018	2019	2020
World	2 016 395.4	2 346 354.5	2 702 424.6	3 150 240.2	3 223 270.0	3 339 476.5	3 415 406.5	3 498 029.0	3 596 103.7
Africa	167 399.0	224 450.7	287 946.2	355 552.8	363 079.2	380 112.6	391 778.0	401 539.3	413 260.3
Americas	323 466.1	385 491.7	407 055.7	463 120.0	470 450.0	483 022.8	487 846.7	483 140.2	505 256.9
Asia	1 208 291.8	1 402 973.4	1 664 556.9	1 961 700.0	2 019 918.8	2 103 775.8	2 166 679.6	2 241 565.4	2 301 843.0
Europe	280 274.7	293 176.5	300 337.2	326 560.9	323 582.7	327 386.5	328 441.5	333 863.2	332 284.5
Oceania	36 963.9	40 262.2	42 528.6	43 306.6	46 239.2	45 178.9	40 660.7	37 921.0	43 459.0
Afghanistan	3 232.4	3 658.6	4 663.8	4 777.9	4 898.6	5 212.6	4 982.5	5 852.4	6 163.3
Albania	1 366.5	1 577.8	1 963.0	2 252.4	2 298.5	2 317.7	2 344.9	2 359.6	2 381.1
Algeria	7 027.5	10 091.5	13 664.6	19 218.2	19 564.2	19 681.6	20 370.4	20 920.4	21 255.5
Andorra	11.6	11.9	13.7	14.3	15.1	16.2	16.1	15.7	14.4
Angola	3 154.3	4 577.5	6 935.0	10 599.8	11 011.8	11 063.6	10 892.0	10 412.7	11 128.9
Antigua and Barbuda	18.8	23.9	20.4	21.6	22.3	25.7	25.9	26.3	26.7
Argentina	23 529.7	29 065.9	31 649.1	33 255.6	31 687.0	32 778.6	27 854.5	33 778.8	31 251.4
Armenia	720.7	1 105.9	1 127.4	1 817.6	1 727.3	1 638.7	1 526.2	1 437.6	1 378.6
Australia	25 989.4	28 343.9	31 364.8	29 942.4	32 758.8	31 846.6	26 576.4	23 900.5	29 168.6
Austria	3 861.1	3 903.5	3 997.7	4 313.7	4 410.5	4 642.7	4 806.5	4 769.3	4 490.1
Azerbaijan	1 680.9	2 368.5	2 669.7	3 278.9	3 364.3	3 505.7	3 666.7	3 935.7	4 049.5
Bahamas	133.9	143.7	131.7	96.5	101.5	96.2	84.3	63.2	38.2
Bahrain	74.2	84.7	86.5	98.2	105.0	104.1	108.0	107.0	108.1
Bangladesh	16 634.9	18 815.3	24 176.6	28 747.9	29 548.9	30 427.9	31 701.4	32 944.3	33 967.5
Barbados	86.0	70.7	65.8	61.7	61.0	59.0	67.8	64.7	65.4
Belarus	2 050.0	2 615.5	3 236.7	3 547.2	3 683.1	3 843.1	3 713.7	3 822.2	4 024.5
Belgium	2 586.2	2 673.8	3 035.5	3 172.3	2 946.6	3 074.7	2 773.1	2 798.4	2 607.4
Belize	162.3	254.6	227.4	223.8	175.0	189.7	183.2	175.1	179.7
Benin	977.3	1 208.1	1 412.0	3 003.3	3 272.6	3 520.1	3 778.1	3 973.0	4 238.4
Bhutan	234.7	234.9	252.9	289.3	301.5	310.4	323.6	327.8	337.0
Bolivia (Plurinational State of)	2 125.0	2 526.7	2 755.7	3 379.1	3 484.9	3 749.7	4 008.9	4 221.4	4 457.8
Bosnia and Herzegovina	800.1	975.7	1 035.2	1 011.3	1 088.2	1 000.0	1 090.5	1 068.5	1 112.8
Botswana	233.0	234.2	341.9	317.4	319.2	325.4	334.0	333.5	341.2
Brazil	45 625.6	56 286.1	66 067.6	77 840.2	73 773.7	84 214.4	85 315.2	85 669.2	87 347.5
Brunei Darussalam	98.4	138.3	123.1	142.6	137.6	135.4	133.3	131.4	146.8
Bulgaria	2 803.3	2 771.4	2 145.4	2 062.1	2 216.1	2 403.5	2 355.8	2 452.4	2 371.4
Burkina Faso	1 640.2	2 043.8	2 351.1	2 676.0	2 789.0	2 783.3	3 153.2	3 208.2	3 374.6
Burundi	1 044.1	1 019.1	962.1	990.6	1 017.1	1 019.4	1 095.2	1 126.0	1 157.5
Cabo Verde	117.6	106.1	114.4	139.5	133.1	116.8	95.9	88.3	82.7
Cambodia	2 661.0	3 406.6	4 372.2	4 797.7	4 857.4	4 945.8	5 000.1	4 973.4	4 992.5
Cameroon	2 662.3	3 120.2	3 587.2	4 565.5	4 795.4	4 949.5	5 200.7	5 344.3	5 403.7
Canada	21 675.4	25 215.1	24 196.0	29 095.5	30 292.6	30 988.7	31 577.6	33 416.1	30 903.9

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

COUNTRY	2000	2005	2010	2015	2016	2017	2018	2019	2020
Central African Republic	809.5	847.6	918.6	534.2	561.2	579.1	599.0	622.2	644.0
Chad	1 125.9	1 733.3	3 088.4	3 398.7	4 102.2	3 975.1	4 134.1	4 324.2	4 428.0
Chile	4 555.5	6 797.8	7 711.8	8 875.9	9 109.3	9 311.2	9 529.6	9 493.2	9 235.0
China	517 628.4	627 715.4	782 644.9	961 313.6	994 489.8	1 035 274.1	1 073 041.9	1 107 907.5	1 142 005.4
Colombia	12 141.9	13 825.9	14 567.7	17 551.5	18 031.8	19 037.3	19 340.7	19 794.1	20 350.6
Comoros	231.7	272.7	228.9	295.5	310.4	340.6	388.1	434.7	453.8
Congo	372.8	508.2	577.4	703.6	702.2	807.8	773.9	780.1	788.3
Costa Rica	2 049.6	2 260.8	2 566.0	2 680.5	2 822.1	2 927.8	2 985.5	2 948.5	2 922.1
Côte d'Ivoire	6 003.5	6 128.1	5 893.4	8 406.9	8 067.1	8 364.8	8 749.2	9 158.9	9 406.0
Croatia	1 915.2	2 062.0	2 031.8	1 492.1	1 587.8	1 551.6	1 647.4	1 677.2	1 738.0
Cuba	3 105.6	2 769.1	2 901.9	3 344.8	3 538.6	3 489.7	3 582.0	3 139.6	3 115.4
Cyprus	605.3	596.4	445.7	371.8	433.1	403.3	393.8	424.6	418.7
Czechia	4 034.5	4 939.9	3 756.9	4 157.8	4 376.3	4 210.2	4 382.0	4 587.6	4 883.9
Democratic People's Republic of Korea	2 723.9	3 399.1	3 148.7	3 524.4	3 613.4	3 565.6	3 501.1	3 549.3	3 279.9
Democratic Republic of the Congo	4 908.4	4 788.2	5 689.0	6 965.7	7 192.6	7 305.9	7 423.6	7 657.0	7 850.9
Denmark	2 960.3	2 832.9	2 982.1	2 898.4	2 455.3	2 800.0	2 761.4	3 316.7	3 517.6
Djibouti	36.1	43.1	42.0	28.4	27.2	36.7	42.3	44.6	46.2
Dominica	75.1	65.5	64.7	76.0	83.1	67.3	48.8	59.4	61.3
Dominican Republic	2 187.8	2 582.1	3 282.4	3 902.6	4 122.9	4 362.8	4 602.8	4 791.0	4 926.8
Ecuador	5 208.5	6 501.4	7 306.2	9 387.8	9 468.5	9 992.1	10 003.6	10 165.4	10 207.0
Egypt	22 042.4	26 527.1	31 315.2	36 204.7	37 325.9	38 535.7	39 736.0	41 066.0	42 421.4
El Salvador	1 529.7	1 341.2	1 465.1	1 296.1	1 404.4	1 413.7	1 375.2	1 369.1	1 336.7
Equatorial Guinea	167.3	167.4	159.6	248.8	262.3	255.1	248.8	234.4	235.6
Eritrea	243.2	379.3	310.6	352.2	387.6	339.7	387.6	403.5	399.0
Estonia	418.9	436.7	541.7	654.0	498.4	532.5	442.2	586.3	550.8
Eswatini	279.3	321.8	310.9	379.7	347.8	332.9	352.4	350.2	359.6
Ethiopia	8 651.4	11 085.3	16 560.8	22 744.3	23 273.3	24 827.3	25 697.9	26 683.3	27 817.9
Fiji	332.4	332.2	311.0	368.6	328.8	356.0	377.2	393.9	409.5
Finland	4 184.5	4 104.7	4 844.4	5 283.6	5 401.2	5 520.9	5 475.5	5 965.7	5 798.2
France	34 340.8	34 136.3	36 489.6	39 148.9	34 309.2	37 134.5	38 588.1	37 696.6	37 641.6
Gabon	420.1	475.8	466.3	619.6	691.8	776.1	849.5	916.4	991.7
Gambia	303.0	333.8	448.3	306.1	305.4	292.0	302.8	302.4	337.7
Georgia	1 063.6	1 290.1	1 006.5	1 168.4	1 136.2	1 048.9	1 193.6	1 201.4	1 245.2
Germany	21 778.0	20 194.7	24 119.7	22 979.9	22 577.7	21 761.9	18 678.0	19 362.8	22 853.4
Ghana	5 560.1	7 131.2	8 882.1	9 998.1	10 271.4	10 909.6	11 441.5	11 974.1	12 859.5
Greece	8 516.4	8 699.9	7 271.8	7 559.5	6 997.3	7 908.9	7 749.1	8 157.9	7 814.0
Grenada	42.9	23.6	35.9	74.1	66.3	56.1	57.7	56.4	48.2
Guatemala	3 956.7	4 597.8	5 149.0	6 198.1	6 346.1	6 556.0	6 720.8	6 860.1	7 060.7
Guinea	859.0	1 025.6	1 232.8	1 625.0	1 703.5	2 018.6	2 132.3	2 321.7	2 465.5
Guinea-Bissau	347.8	410.3	448.3	490.1	516.2	514.6	553.5	585.6	581.0
Guyana	282.8	699.6	883.6	1 088.9	968.0	1 090.6	1 162.9	1 157.1	1 205.1
Haiti	2 240.1	2 466.9	2 635.4	2 452.9	2 491.0	2 521.2	2 556.8	2 508.0	2 446.3

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

COUNTRY	2000	2005	2010	2015	2016	2017	2018	2019	2020
Honduras	1 507.6	1 725.1	1 992.2	2 562.9	2 685.3	2 963.2	3 041.2	3 009.7	2 821.4
Hungary	3 615.4	4 990.0	3 968.5	4 743.6	5 340.2	4 982.1	5 241.7	5 138.1	4 692.6
Iceland	924.8	957.7	841.1	930.3	940.5	940.9	1 003.2	1 064.2	1 058.5
India	228 142.8	259 599.1	303 288.4	347 227.7	370 830.7	395 327.4	405 451.6	422 945.9	440 649.4
Indonesia	67 446.1	78 970.6	94 801.8	116 152.0	120 069.5	124 771.3	129 617.6	134 292.3	136 645.4
Iran (Islamic Republic of)	27 222.9	35 330.2	33 313.6	42 103.2	44 184.7	45 666.3	44 587.5	48 511.8	50 452.2
Iraq	8 528.6	11 038.7	8 427.0	6 991.0	6 969.4	5 854.4	8 059.4	11 779.6	12 309.7
Ireland	2 421.9	2 053.6	2 010.3	2 612.1	2 871.7	3 036.3	2 747.0	3 450.0	3 384.4
Israel	2 807.3	3 752.3	3 819.0	3 576.6	3 762.3	3 832.2	3 692.1	3 760.5	3 824.9
Italy	38 294.5	36 211.1	36 539.6	37 915.7	37 894.3	36 468.1	37 144.0	36 545.7	34 236.0
Jamaica	788.6	681.5	803.8	895.6	1 010.9	975.5	1 015.5	1 019.6	1 004.9
Japan	66 223.0	52 225.6	51 546.5	45 965.9	42 263.1	42 575.4	39 792.1	40 343.2	38 966.9
Jordan	695.3	1 101.4	1 651.9	1 694.8	1 760.1	1 843.7	1 903.0	1 951.3	1 983.0
Kazakhstan	4 979.8	6 581.3	7 129.8	8 685.7	9 154.7	9 447.7	9 806.7	9 796.9	10 374.9
Kenya	8 442.2	9 953.0	11 163.3	13 652.2	13 841.9	13 663.4	14 445.5	14 827.2	15 535.7
Kiribati	36.4	30.4	33.3	36.9	41.0	46.4	45.2	46.3	45.8
Kuwait	193.0	282.5	549.0	614.9	618.0	656.3	632.9	603.9	580.8
Kyrgyzstan	679.5	773.8	838.6	939.0	965.9	987.5	1 013.2	1 038.3	1 049.6
Lao People's Democratic Republic	1 556.0	1 757.1	2 152.3	2 531.0	2 600.8	2 675.6	2 709.5	2 742.5	2 774.2
Latvia	603.9	771.7	797.8	952.4	911.6	928.6	894.8	1 072.0	1 078.4
Lebanon	1 500.8	1 479.9	1 555.3	1 689.4	1 796.1	2 036.2	1 954.9	2 074.3	1 553.3
Lesotho	105.6	87.5	91.7	89.2	136.5	108.9	94.5	95.3	103.2
Liberia	838.9	576.8	1 214.5	1 588.6	1 226.0	1 211.9	1 209.5	1 214.7	1 279.4
Libya	1 404.5	1 627.4	1 528.0	2 136.9	1 620.6	1 364.2	1 423.2	1 711.0	509.6
Lithuania	1 122.9	1 153.7	1 121.3	1 416.8	1 361.9	1 360.7	1 215.0	1 335.1	1 467.1
Luxembourg	233.7	140.2	154.4	134.3	133.8	124.6	139.3	134.3	126.8
Madagascar	2 439.7	2 680.7	2 950.7	2 914.9	2 954.1	2 992.3	3 002.9	3 181.1	3 199.1
Malawi	1 284.9	1 221.6	1 567.9	2 034.9	2 073.8	2 244.5	2 251.1	2 383.9	2 483.3
Malaysia	16 430.4	19 211.7	21 928.5	24 974.8	24 062.8	25 479.1	25 497.1	26 001.5	25 433.7
Maldives	198.7	291.9	215.7	228.7	232.0	251.2	263.3	243.3	260.2
Mali	1 148.9	1 568.1	2 867.2	4 875.5	5 411.6	5 601.9	6 030.9	6 362.0	6 077.0
Malta	86.1	137.4	107.2	102.3	118.7	91.8	103.9	69.6	65.5
Marshall Islands	13.6	13.6	18.1	22.1	21.7	22.1	23.1	30.4	30.6
Mauritania	1 004.9	1 010.2	1 145.4	1 272.2	1 340.6	1 301.1	1 309.6	1 432.3	1 380.2
Mauritius	279.8	270.7	337.4	368.8	382.3	381.5	376.5	392.0	382.0
Mexico	28 412.5	30 375.3	33 740.9	37 405.2	38 720.9	40 027.8	41 070.2	40 951.5	41 077.1
Micronesia (Federated States of)	70.0	68.4	69.7	82.9	78.9	78.3	78.4	80.5	81.5
Mongolia	806.0	786.0	867.0	1 569.3	1 666.8	1 696.9	1 772.8	1 922.2	2 040.8
Montenegro	235.1	275.4	285.7	326.7	339.5	328.9	339.8	332.4	334.9
Morocco	5 454.4	7 635.7	10 471.6	12 777.0	11 596.7	14 598.2	14 299.6	13 715.5	13 844.1
Mozambique	1 533.8	2 227.2	3 162.1	3 655.4	3 809.9	3 960.8	4 095.3	4 146.5	4 275.2
Myanmar	7 253.9	11 670.0	15 326.7	17 066.0	16 814.4	16 826.0	17 092.8	17 388.5	16 101.8
Namibia	787.5	1 067.7	907.5	753.8	769.9	792.3	824.0	797.6	844.5

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

COUNTRY	2000	2005	2010	2015	2016	2017	2018	2019	2020
Nauru	2.1	2.1	1.3	2.5	2.5	2.5	2.4	2.5	2.5
Nepal	3 805.1	4 645.7	5 321.9	6 276.2	6 270.9	6 595.4	6 767.5	7 116.5	7 275.4
Netherlands	10 914.3	11 372.4	12 448.2	13 195.7	13 489.6	13 552.8	13 377.6	13 608.2	13 660.4
New Zealand	6 737.7	7 488.9	6 375.1	7 961.8	7 978.5	7 655.6	8 158.9	7 883.7	7 966.1
Nicaragua	1 418.2	1 637.6	1 965.3	2 055.1	2 153.7	2 351.9	2 376.4	2 447.0	2 468.5
Niger	1 373.5	1 828.7	2 558.7	3 136.8	3 677.8	3 876.8	4 183.0	4 324.6	4 659.2
Nigeria	30 966.3	60 877.5	83 470.0	102 041.8	106 232.4	109 892.3	112 224.9	114 875.9	117 368.0
North Macedonia	863.6	906.5	1 004.1	979.0	975.2	853.7	924.3	921.3	936.7
Norway	3 733.9	4 423.9	5 617.6	5 931.9	5 574.9	5 809.7	5 758.3	6 012.6	6 022.6
Oman	671.7	708.3	862.4	1 361.4	1 474.2	1 602.9	2 056.5	2 096.6	2 418.5
Pakistan	43 365.1	48 238.5	56 006.5	63 600.0	63 697.9	65 088.1	67 688.9	68 078.3	69 898.3
Palau	10.7	9.7	9.3	8.2	8.8	9.6	9.1	8.7	7.5
Panama	1 269.9	1 587.2	1 392.8	1 507.0	1 517.6	1 534.2	1 574.0	1 651.5	1 719.3
Papua New Guinea	2 843.0	3 057.2	3 368.0	3 792.2	3 892.8	3 984.5	4 166.6	4 299.4	4 444.2
Paraguay	1 422.0	1 853.8	3 038.5	3 418.5	3 510.7	3 683.9	3 765.0	3 637.5	3 900.2
Peru	8 495.2	9 397.8	11 519.4	13 372.8	13 605.4	14 009.3	15 351.2	15 488.5	15 697.8
Philippines	21 236.9	25 968.6	29 935.1	33 698.3	33 373.8	34 791.9	35 180.8	35 604.7	35 538.6
Poland	9 441.3	11 428.8	12 671.7	11 346.3	11 584.3	11 689.3	10 628.7	10 543.3	12 001.6
Portugal	3 906.1	3 880.9	3 845.2	4 184.5	4 134.8	4 218.6	4 173.9	4 313.1	4 056.7
Qatar	96.1	95.4	166.0	260.9	284.4	343.0	396.8	408.5	413.8
Republic of Korea	23 930.8	23 687.5	27 306.2	29 372.7	27 717.8	28 342.5	28 386.1	29 503.4	28 337.6
Republic of Moldova	727.5	893.3	770.7	891.1	1 055.0	1 145.2	1 174.4	1 165.9	858.0
Romania	6 563.5	8 212.4	6 464.2	7 441.2	7 758.9	8 887.7	9 721.8	9 235.0	7 738.7
Russian Federation	41 184.8	46 661.5	45 944.8	52 809.1	53 750.6	54 553.2	55 484.7	57 401.3	57 511.6
Rwanda	935.6	1 250.8	1 586.8	2 045.8	2 124.9	2 225.9	2 362.1	2 480.7	2 501.6
Saint Kitts and Nevis	7.0	11.9	9.5	9.5	8.7	11.0	11.4	14.1	11.4
Saint Lucia	58.1	34.6	35.0	39.1	40.0	39.1	44.2	45.8	41.4
Saint Vincent and the Grenadines	43.7	42.5	44.5	47.1	50.2	52.5	53.9	53.4	48.0
Samoa	104.3	87.7	69.8	69.9	74.9	80.2	70.2	71.9	67.7
San Marino	0.6	0.5	0.4	0.3	0.2	0.3	0.2	0.2	0.2
Sao Tome and Principe	24.8	27.5	33.9	38.0	38.8	39.4	38.0	38.3	37.8
Saudi Arabia	12 032.2	12 933.8	15 002.0	17 137.9	17 246.4	17 332.4	17 388.4	17 615.7	17 314.8
Senegal	1 823.6	1 923.1	2 373.2	2 536.8	2 674.3	2 980.7	3 222.0	3 367.0	3 636.0
Serbia	2 140.5	2 514.8	2 521.6	2 662.4	2 860.8	2 534.9	2 918.0	2 869.9	2 932.5
Seychelles	32.9	31.3	24.4	28.2	28.4	29.4	33.5	36.9	30.7
Sierra Leone	784.2	1 523.2	2 100.0	2 496.0	2 593.6	2 709.7	2 815.6	2 973.3	3 047.4
Singapore	120.3	85.1	87.0	100.4	100.0	102.9	106.2	113.0	101.7
Slovakia	568.3	893.5	1 238.1	1 947.4	2 114.7	1 985.7	2 248.8	1 835.5	1 914.3
Slovenia	789.8	807.8	810.2	903.4	890.9	846.1	1 023.3	950.1	987.0
Solomon Islands	223.8	309.4	402.2	434.5	459.4	476.0	500.0	524.0	547.5
Somalia	518.6	597.8	684.3	769.3	793.1	818.9	842.0	867.8	894.2
South Africa	4 971.1	5 348.9	6 082.2	6 630.1	5 961.7	7 218.1	6 875.0	6 401.4	7 237.7
South Sudan			357.7	255.5	226.1	162.7	160.0	236.9	348.3

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

COUNTRY	2000	2005	2010	2015	2016	2017	2018	2019	2020
Spain	28 975.5	26 199.5	29 260.5	32 690.9	34 251.3	32 999.2	35 475.7	34 582.9	36 064.6
Sri Lanka	4 052.2	4 113.1	5 367.5	6 596.9	6 349.9	6 325.3	6 695.1	6 761.2	6 597.6
Sudan			22 242.5	26 818.1	26 233.4	28 298.4	29 430.3	29 783.5	30 428.4
Suriname	272.1	289.8	421.2	533.5	533.8	499.6	457.1	371.1	365.7
Sweden	5 119.6	6 052.4	6 487.6	7 321.8	7 206.1	7 625.5	6 852.4	7 262.6	7 271.2
Switzerland	4 610.6	4 232.2	4 362.4	4 348.3	4 389.1	4 252.0	4 614.3	4 309.7	4 217.9
Syrian Arab Republic	6 092.1	7 226.4	6 544.8	4 124.8	4 108.3	4 059.0	4 546.1	4 928.0	5 199.0
Tajikistan	559.4	902.8	1 288.8	1 730.2	1 821.9	1 963.2	2 099.9	2 247.0	2 444.7
Thailand	28 094.7	32 079.0	34 725.2	35 605.9	35 193.6	36 890.6	39 043.0	38 793.0	37 467.9
Timor-Leste	239.1	267.2	318.3	283.4	279.7	271.3	279.1	285.9	300.5
Togo	392.8	408.2	810.2	1 149.5	1 276.9	1 363.8	1 426.4	1 504.3	1 588.8
Tonga	68.4	62.7	55.6	68.0	67.2	65.5	65.7	68.1	68.7
Trinidad and Tobago	523.0	382.7	178.5	263.1	244.4	263.8	238.5	230.9	229.0
Tunisia	2 887.9	3 124.3	3 352.6	4 439.4	4 062.0	4 136.9	4 606.3	4 644.3	4 852.0
Türkiye	40 899.5	44 744.7	49 936.8	59 364.3	57 824.7	60 669.2	61 958.6	64 021.1	67 770.9
Turkmenistan	2 900.5	3 003.3	3 160.3	3 355.2	3 617.8	3 744.9	4 112.6	3 626.1	3 518.8
Tuvalu	6.2	6.1	7.9	4.8	4.3	4.3	4.4	4.2	4.0
Uganda	4 586.9	5 529.2	6 050.2	6 591.6	6 808.3	7 156.6	7 326.9	7 952.1	8 086.2
Ukraine	6 834.6	8 176.3	8 664.5	10 977.8	11 673.0	11 399.5	12 316.1	12 440.8	11 014.8
United Arab Emirates	3 699.3	3 402.5	2 423.0	2 653.9	2 744.8	2 835.7	2 988.8	3 102.5	3 315.8
United Kingdom of Great Britain and Northern Ireland	14 468.8	17 323.5	14 510.7	18 758.1	16 532.2	17 505.6	15 604.6	18 082.0	16 333.1
United Republic of Tanzania	6 844.9	8 608.2	10 480.6	12 932.8	13 546.2	14 357.3	15 118.9	15 778.6	16 581.1
United States of America	130 103.8	159 160.0	155 507.7	180 100.0	190 407.7	187 485.8	193 086.0	181 236.3	206 721.4
Uruguay	2 550.9	2 928.9	2 879.7	3 893.8	4 135.7	3 830.3	3 957.0	3 968.1	3 953.2
Uzbekistan	10 187.5	13 769.6	18 546.1	25 187.2	26 740.7	27 048.7	27 117.3	27 954.6	28 782.0
Vanuatu	131.9	144.9	164.6	164.1	172.5	173.2	174.8	172.4	168.3
Venezuela (Bolivarian Republic of)	14 681.7	16 814.6	18 383.9	14 777.4	12 390.2	10 983.1	9 476.1	8 039.9	6 886.5
Viet Nam	20 167.8	24 336.5	28 153.4	32 836.0	33 281.6	34 247.3	35 535.8	36 250.3	37 222.5
Yemen	3 515.8	4 372.4	6 291.1	4 781.2	4 283.4	3 947.5	3 822.5	3 770.1	3 831.4
Zambia	1 302.2	1 212.9	1 059.1	1 058.1	1 097.5	1 204.9	949.7	1 022.9	1 198.9
Zimbabwe	2 073.7	1 453.0	1 331.3	1 653.8	1 589.6	1 748.5	2 068.5	1 725.9	1 782.0

Source: FAO. 2022. FAOSTAT: Macro Indicators. In: FAO. Rome. Cited October 2022. <http://www.fao.org/faostat/en/#data/MK>

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

COUNTRY	2000	2005	2010	2015	2016	2017	2018	2019	2020
World	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.4
Africa	14.5	14.9	14.7	15.1	15.1	15.3	15.3	15.3	16.2
Americas	1.7	1.8	1.8	1.8	1.8	1.9	1.8	1.8	1.9
Asia	10.1	9.2	8.2	7.5	7.3	7.3	7.2	7.1	7.4
Europe	1.8	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.7
Oceania	3.9	3.6	3.3	2.9	3.1	2.9	2.6	2.4	2.7
Afghanistan	60.5	38.1	31.6	25.5	25.8	26.7	25.2	28.5	30.6
Albania	22.6	19.6	18.8	19.8	19.5	19.0	18.5	18.2	19.0
Algeria	7.3	8.1	9.7	11.6	11.4	11.3	11.6	11.8	12.6
Andorra	0.5	0.4	0.5	0.5	0.5	0.6	0.5	0.5	0.5
Angola	7.9	7.4	7.4	9.1	9.7	9.8	9.8	9.5	10.5
Antigua and Barbuda	1.8	2.0	1.7	1.6	1.6	1.8	1.7	1.6	2.0
Argentina	5.5	6.2	5.3	5.2	5.0	5.0	4.4	5.5	5.6
Armenia	18.5	15.7	13.2	17.2	16.3	14.4	12.8	11.2	11.6
Australia	3.2	3.0	2.9	2.4	2.6	2.4	2.0	1.8	2.1
Austria	1.2	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2
Azerbaijan	13.9	10.6	5.6	6.2	6.5	6.8	7.0	7.3	7.9
Bahamas	1.3	1.2	1.2	0.8	0.9	0.8	0.7	0.5	0.4
Bahrain	0.5	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Bangladesh	20.3	17.6	16.9	14.8	14.2	13.6	13.2	12.6	12.4
Barbados	1.9	1.5	1.4	1.3	1.3	1.2	1.4	1.4	1.7
Belarus	7.9	7.0	6.1	6.3	6.7	6.8	6.4	6.5	6.9
Belgium	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.6
Belize	15.3	18.7	14.8	12.9	10.1	10.7	10.2	9.5	11.7
Benin	22.1	22.5	21.8	26.4	27.8	28.3	28.5	28.0	29.3
Bhutan	34.6	23.7	16.5	14.4	13.9	13.7	13.8	13.3	13.8
Bolivia (Plurinational State of)	12.3	12.5	10.9	10.2	10.1	10.5	10.7	11.1	12.8
Bosnia and Herzegovina	7.5	7.4	6.8	6.2	6.5	5.8	6.1	5.8	6.3
Botswana	3.0	2.6	3.0	2.2	2.1	2.1	2.1	2.0	2.2
Brazil	3.8	4.1	3.9	4.3	4.2	4.8	4.7	4.7	5.0
Brunei Darussalam	0.9	1.1	0.9	1.1	1.1	1.1	1.0	1.0	1.1
Bulgaria	9.2	6.9	4.5	4.1	4.2	4.5	4.3	4.3	4.3
Burkina Faso	32.1	29.4	25.9	22.6	22.3	20.9	22.2	21.4	22.0
Burundi	60.8	53.5	40.5	35.2	35.1	33.8	34.5	34.0	35.3
Cabo Verde	13.2	9.2	7.7	8.7	8.0	6.7	5.3	4.6	5.1
Cambodia	45.0	36.9	34.3	26.6	25.2	24.0	22.5	20.9	21.7
Cameroon	16.3	15.4	14.9	14.8	14.8	14.8	14.9	14.8	15.2
Canada	1.9	1.9	1.7	1.9	1.9	1.9	1.9	2.0	1.9
Central African Republic	40.9	43.7	39.4	31.5	31.6	31.2	31.1	31.4	32.2
Chad	35.5	27.4	33.1	29.1	37.5	37.2	37.8	38.4	39.7
Chile	3.4	4.1	3.8	3.6	3.7	3.7	3.7	3.6	3.7
China	17.5	13.5	10.0	8.5	8.2	8.0	7.8	7.6	7.6
Colombia	7.7	7.4	6.2	6.0	6.0	6.3	6.2	6.2	6.8
Comoros	34.9	36.7	30.8	30.6	31.3	32.5	35.6	38.5	38.7

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

COUNTRY	2000	2005	2010	2015	2016	2017	2018	2019	2020
Congo	6.1	6.8	5.6	6.0	6.7	8.0	8.2	8.3	9.1
Costa Rica	6.7	6.1	5.5	4.7	4.8	4.8	4.8	4.6	4.8
Côte d'Ivoire	27.6	28.2	23.0	18.4	16.4	15.9	15.5	15.3	15.4
Croatia	4.9	4.2	4.0	3.0	3.1	2.9	3.0	2.9	3.3
Cuba	6.8	4.7	3.8	3.8	4.0	3.9	3.9	3.4	3.8
Cyprus	3.9	3.2	2.1	1.9	2.1	1.8	1.7	1.7	1.8
Czechia	3.2	3.2	2.2	2.2	2.3	2.1	2.1	2.1	2.4
Democratic People's Republic of Korea	19.4	21.4	19.9	21.6	21.4	21.8	22.4	22.6	21.9
Democratic Republic of the Congo	29.7	24.0	21.8	18.4	18.5	18.1	17.4	17.2	17.3
Denmark	1.1	1.0	1.1	1.0	0.8	0.9	0.8	1.0	1.1
Djibouti	4.6	4.7	2.9	1.2	1.0	1.3	1.4	1.4	1.4
Dominica	17.6	14.3	11.9	14.1	15.0	13.0	9.1	10.5	12.9
Dominican Republic	6.3	6.3	5.9	5.5	5.4	5.5	5.4	5.4	5.9
Ecuador	9.8	9.6	9.1	9.5	9.7	10.0	9.8	10.0	10.9
Egypt	12.8	12.9	11.3	11.4	11.3	11.2	10.9	10.7	10.7
El Salvador	8.7	7.1	7.1	5.5	5.8	5.8	5.5	5.3	5.6
Equatorial Guinea	5.2	1.7	1.2	1.9	2.2	2.3	2.3	2.3	2.5
Eritrea	14.0	22.6	18.4	17.5	17.9	17.5	17.6	17.7	17.6
Estonia	3.0	2.2	2.8	2.9	2.1	2.1	1.7	2.2	2.1
Eswatini	11.2	10.8	8.8	9.4	8.5	8.0	8.2	8.0	8.7
Ethiopia	52.0	48.7	43.4	36.1	34.3	33.4	32.4	31.0	30.5
Fiji	10.0	8.9	8.0	7.9	6.9	7.0	7.2	7.6	9.3
Finland	2.1	1.8	2.1	2.3	2.2	2.2	2.2	2.3	2.3
France	1.7	1.5	1.6	1.6	1.4	1.5	1.5	1.4	1.6
Gabon	4.2	4.5	4.2	4.3	4.7	5.3	5.7	5.9	6.5
Gambia	32.0	30.4	33.2	22.2	21.7	19.8	19.2	17.3	20.6
Georgia	16.7	14.2	8.6	7.8	7.4	6.5	7.1	6.8	7.5
Germany	0.8	0.7	0.8	0.7	0.7	0.6	0.5	0.5	0.7
Ghana	27.3	27.2	25.1	20.0	19.9	19.5	19.3	18.9	20.2
Greece	4.2	3.6	3.0	3.9	3.6	4.0	3.9	4.0	4.2
Grenada	6.0	2.6	4.2	7.4	6.4	5.2	5.1	5.0	4.9
Guatemala	10.7	10.7	10.0	10.0	9.9	10.0	9.9	9.7	10.2
Guinea	16.3	16.8	17.5	18.5	17.5	18.8	18.7	19.2	19.1
Guinea-Bissau	49.8	54.3	50.3	46.8	46.4	43.7	45.4	46.0	46.3
Guyana	16.2	25.8	24.3	25.4	21.8	23.7	24.2	22.8	16.6
Haiti	21.8	22.6	21.4	17.2	17.1	16.9	16.9	16.8	17.0
Honduras	12.8	11.7	11.3	12.2	12.3	13.0	12.8	12.4	12.7
Hungary	3.9	4.4	3.5	3.8	4.2	3.7	3.7	3.5	3.3
Iceland	7.8	6.6	5.5	5.3	5.1	4.8	4.9	5.1	5.4
India	27.9	23.2	19.3	16.2	16.0	15.9	15.3	15.4	17.3
Indonesia	17.1	15.9	14.4	13.5	13.3	13.1	13.0	12.8	13.3
Iran (Islamic Republic of)	11.0	11.1	8.1	10.1	9.7	9.8	9.8	11.4	11.5
Iraq	9.1	11.7	7.0	4.2	3.7	3.1	4.2	5.8	7.2
Ireland	1.5	1.0	1.0	0.9	1.0	0.9	0.8	0.9	0.9

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

COUNTRY	2000	2005	2010	2015	2016	2017	2018	2019	2020
Israel	1.6	1.9	1.5	1.2	1.2	1.2	1.1	1.1	1.1
Italy	2.1	1.9	1.9	2.1	2.0	1.9	1.9	1.9	2.0
Jamaica	6.0	4.8	5.8	6.3	7.0	6.7	6.9	6.8	7.5
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	4.6	4.6	4.7	4.8
Kazakhstan	7.5	6.1	4.9	4.7	4.9	4.9	4.9	4.6	5.0
Kenya	24.2	23.7	20.8	19.5	18.9	18.0	18.0	17.6	18.5
Kiribati	26.5	21.5	23.7	21.7	24.2	27.4	25.4	26.2	26.0
Kuwait	0.3	0.3	0.6	0.5	0.5	0.6	0.5	0.5	0.6
Kyrgyzstan	19.3	18.3	15.9	14.1	13.9	13.5	13.4	13.1	14.5
Lao People's Democratic Republic	31.6	26.1	21.7	17.6	16.9	16.3	15.5	14.9	14.6
Latvia	3.8	3.3	3.5	3.5	3.3	3.2	3.0	3.5	3.6
Lebanon	5.8	4.7	3.4	3.4	3.5	4.0	3.9	4.4	4.4
Lesotho	8.0	5.7	4.6	3.8	5.6	4.6	4.0	4.0	4.6
Liberia	71.6	61.1	65.9	59.5	46.2	44.5	43.9	45.1	48.9
Libya	2.6	2.2	1.8	4.4	3.4	2.2	2.1	3.5	2.6
Lithuania	5.0	3.6	3.3	3.4	3.2	3.1	2.6	2.8	3.1
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	25.1	24.5	23.8	24.1	26.3
Malawi	39.0	33.0	29.6	24.8	23.4	22.9	22.0	22.1	22.8
Malaysia	11.1	10.3	9.4	8.3	7.6	7.6	7.3	7.1	7.4
Maldives	10.2	13.9	6.9	5.6	5.3	5.4	5.2	4.5	7.2
Mali	31.2	29.4	32.5	37.2	37.9	36.8	37.1	36.8	35.2
Malta	1.3	1.9	1.3	0.9	1.0	0.7	0.8	0.5	0.5
Marshall Islands	8.9	8.0	10.0	12.0	11.7	11.5	11.6	14.3	14.7
Mauritania	29.5	24.2	23.1	20.6	21.5	20.1	19.8	20.5	20.1
Mauritius	4.3	3.5	3.5	3.2	3.1	3.0	2.9	2.9	3.3
Mexico	3.2	3.2	3.3	3.2	3.2	3.3	3.3	3.3	3.6
Micronesia (Federated States of)	22.5	21.3	22.0	26.2	24.7	23.9	23.8	24.2	24.9
Mongolia	20.9	14.9	12.0	13.4	14.0	13.6	13.2	13.6	15.3
Montenegro	8.8	8.9	7.7	8.1	8.1	7.5	7.4	7.0	8.3
Morocco	11.4	12.5	12.9	12.6	11.1	13.2	12.5	11.5	12.3
Mozambique	29.4	28.3	28.0	22.9	23.0	23.1	23.0	22.8	23.8
Myanmar	48.9	42.6	34.1	26.7	24.9	23.4	22.3	22.0	24.8
Namibia	14.0	15.0	10.3	6.7	6.8	7.1	7.3	7.1	8.1
Nauru	5.1	7.3	3.1	2.4	2.3	2.2	2.3	2.3	2.3
Nepal	33.5	32.6	28.1	26.5	26.4	25.5	24.3	23.9	25.0
Netherlands	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.7
New Zealand	5.8	5.3	4.2	4.5	4.3	4.0	4.1	3.8	3.9
Nicaragua	19.4	19.1	20.1	16.1	16.1	16.9	17.6	18.8	19.4
Niger	30.2	32.3	36.4	32.4	35.9	36.1	36.3	35.4	36.9
Nigeria	17.2	22.2	21.6	20.6	21.8	22.4	22.4	22.5	23.4
North Macedonia	13.0	12.4	11.3	9.7	9.4	8.2	8.6	8.3	8.8
Norway	1.2	1.3	1.6	1.5	1.4	1.5	1.4	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	2016	2017	2018	2019	2020
Oman	1.6	1.7	1.6	2.0	2.1	2.2	2.8	2.9	3.4
Pakistan	29.8	26.0	25.5	23.8	22.6	21.9	21.5	21.4	21.9
Palau	4.4	3.6	3.9	2.9	3.2	3.5	3.1	3.1	3.0
Panama	6.0	6.1	3.7	2.8	2.7	2.6	2.5	2.6	3.3
Papua New Guinea	25.0	24.2	20.6	17.5	17.0	16.8	17.6	17.2	18.5
Paraguay	8.1	8.1	10.2	9.4	9.3	9.3	9.2	8.9	9.7
Peru	9.7	8.7	7.7	7.0	6.9	6.9	7.3	7.2	8.2
Philippines	14.9	14.5	13.1	11.0	10.2	9.9	9.4	9.0	9.9
Poland	3.4	3.5	3.1	2.4	2.4	2.3	2.0	1.8	2.2
Portugal	2.0	1.9	1.8	2.1	2.0	2.0	1.9	1.9	2.0
Qatar	0.3	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.3
Republic of Korea	3.0	2.3	2.2	2.0	1.8	1.8	1.8	1.8	1.7
Republic of Moldova	18.6	16.2	11.9	11.5	13.0	13.5	13.3	12.7	10.1
Romania	6.4	6.1	4.2	4.2	4.2	4.5	4.7	4.2	3.7
Russian Federation	5.3	4.4	3.7	3.9	3.9	3.9	3.9	3.9	4.1
Rwanda	34.2	31.0	26.4	24.0	23.5	23.7	23.2	22.2	23.2
Saint Kitts and Nevis	1.0	1.5	1.2	1.0	0.9	1.2	1.2	1.4	1.3
Saint Lucia	4.0	2.2	2.0	2.2	2.1	2.0	2.2	2.3	2.6
Saint Vincent and the Grenadines	8.1	6.3	6.2	6.2	6.5	6.7	6.8	6.7	6.2
Samoa	19.2	12.5	9.4	8.9	9.2	9.9	8.6	8.6	8.9
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	11.7	11.4	10.7	10.6	10.1
Saudi Arabia	3.3	2.9	2.9	2.6	2.6	2.6	2.6	2.6	2.7
Senegal	18.7	15.7	16.3	14.3	14.2	14.7	15.0	15.0	16.0
Serbia	8.9	7.7	6.6	6.7	7.0	6.1	6.7	6.3	6.5
Seychelles	3.7	3.6	2.3	2.0	2.0	1.9	2.2	2.4	2.2
Sierra Leone	53.2	56.9	60.8	58.8	57.4	57.8	58.1	58.1	60.9
Singapore	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slovakia	1.2	1.5	1.6	2.2	2.3	2.1	2.3	1.9	2.0
Slovenia	2.4	2.1	1.9	2.1	2.0	1.8	2.1	1.9	2.1
Solomon Islands	31.9	36.4	36.5	33.2	33.2	32.7	33.0	34.2	37.3
Somalia	54.5	53.6	54.1	52.9	53.0	54.0	54.0	54.1	56.6
South Africa	2.5	2.2	2.1	2.1	1.9	2.2	2.1	2.0	2.4
South Sudan			5.0	4.1	3.9	2.9	2.7	3.6	5.7
Spain	3.0	2.3	2.4	2.7	2.8	2.6	2.7	2.6	3.1
Sri Lanka	11.2	9.4	9.0	8.2	7.5	7.3	7.4	7.3	7.4
Sudan			30.8	32.0	30.2	31.1	31.5	31.4	32.6
Suriname	9.9	8.2	9.3	10.4	11.0	10.1	8.8	7.1	8.3
Sweden	1.4	1.5	1.4	1.4	1.4	1.4	1.3	1.3	1.4
Switzerland	0.9	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6
Syrian Arab Republic	24.4	22.7	16.2	20.7	21.8	21.7	24.0	25.0	25.1
Tajikistan	20.7	21.1	21.9	20.9	20.6	20.4	20.3	20.2	21.0
Thailand	12.7	11.1	10.0	8.9	8.5	8.5	8.7	8.4	8.7
Timor-Leste	28.7	29.2	24.6	17.8	17.0	17.0	17.6	15.1	14.2

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

COUNTRY	2000	2005	2010	2015	2016	2017	2018	2019	2020
Togo	15.8	15.6	26.1	21.5	21.4	22.0	22.1	22.5	23.6
Tonga	18.7	16.6	15.4	16.9	15.6	14.7	14.8	15.2	15.2
Trinidad and Tobago	3.9	1.9	0.7	1.0	1.0	1.1	1.0	1.0	1.1
Tunisia	11.0	9.9	8.5	10.3	9.3	9.3	10.1	10.0	11.5
Türkiye	9.9	8.5	8.1	6.9	6.5	6.3	6.3	6.4	6.7
Turkmenistan	22.9	18.5	11.3	9.3	10.5	10.8	11.8	11.2	11.3
Tuvalu	22.9	22.5	27.1	13.3	11.2	10.8	10.9	9.0	8.6
Uganda	45.9	38.4	25.7	22.5	23.1	22.6	21.9	22.1	22.7
Ukraine	9.8	8.1	8.5	12.1	12.5	11.9	12.5	12.2	11.3
United Arab Emirates	1.9	1.4	0.9	0.7	0.7	0.8	0.8	0.8	0.9
United Kingdom of Great Britain and Northern Ireland	0.6	0.7	0.5	0.6	0.5	0.6	0.5	0.6	0.6
United Republic of Tanzania	36.5	32.6	29.6	26.6	26.1	25.9	25.5	24.9	25.0
United States of America	0.9	1.0	0.9	1.0	1.0	1.0	1.0	0.9	1.1
Uruguay	7.6	8.7	6.4	6.8	7.0	6.4	6.6	6.6	7.0
Uzbekistan	35.0	36.3	32.5	30.8	30.8	29.8	28.4	27.6	28.0
Vanuatu	25.8	26.2	23.3	21.6	21.9	21.1	20.7	19.8	21.3
Venezuela (Bolivarian Republic of)	5.8	5.9	5.4	4.3	4.3	4.6	4.9	5.7	7.0
Viet Nam	26.8	22.8	19.4	17.0	16.2	15.6	15.1	14.4	14.4
Yemen	10.2	9.8	11.8	17.9	18.9	19.5	19.0	18.5	18.6
Zambia	16.5	11.4	6.5	5.1	5.1	5.4	4.1	4.3	5.2
Zimbabwe	20.0	17.5	9.4	8.3	7.9	8.3	9.4	8.5	8.7

Source: FAO. 2022. FAOSTAT: Macro Indicators. In: FAO. Rome. Cited October 2022. <http://www.fao.org/faostat/en/#data/MK>

TABLE 3.
AGRICULTURAL LAND BY USE (THOUSAND HA)

COUNTRY	PERMANENT MEADOWS AND PASTURES				CROPLAND			
	2000	2010	2015	2020	2000	2010	2015	2020
World	3 385 588.1	3 272 828.3	3 181 261.6	3 182 766.3	1 492 425.3	1 521 319.6	1 550 307.9	1 561 667.7
Africa	860 728.1	880 145.3	839 182.8	842 097.5	229 982.2	259 678.1	275 625.6	281 861.5
Americas	781 641.3	769 787.9	760 040.5	754 663.5	370 112.3	367 455.1	367 239.2	367 297.3
Asia	1 116 057.1	1 083 483.5	1 080 603.0	1 077 740.0	561 850.3	575 845.8	584 748.8	591 266.3
Europe	180 916.5	177 519.3	173 906.6	173 300.0	303 728.5	290 219.0	289 138.1	288 051.6
Oceania	446 245.1	361 892.2	327 528.7	334 965.3	26 752.0	28 121.7	33 556.3	33 191.0
Afghanistan	30 000.0	30 000.0	30 000.0	30 262.0	7 753.0	7 911.0	7 910.0	8 094.0
Albania	445.0	505.3	478.2	478.0	699.0	696.0	696.1	687.6
Algeria	31 829.0	32 963.0	32 994.0	32 841.8	8 192.0	8 411.0	8 462.4	8 517.0
Andorra	22.0	19.0	18.0	18.0	1.0	0.8	0.8	0.7
Angola	43 661.4	48 122.0	50 097.3	51 737.5	3 300.0	4 390.0	5 190.0	5 215.0
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	79 400.3	74 681.0	28 640.0	39 003.1	37 688.1	33 700.8
Armenia	835.0	1 231.4	1 172.4	1 172.0	488.0	503.6	504.3	504.0
Australia	431 700.0	350 404.0	316 722.0	324 779.0	23 769.0	25 968.0	31 397.0	30 996.0
Austria	1 470.2	1 350.1	1 306.9	1 258.8	1 470.0	1 429.1	1 411.6	1 388.0
Azerbaijan	2 678.0	2 655.3	2 595.1	2 423.0	2 062.4	2 111.5	2 174.7	2 357.0
Bahamas	2.0	2.0	2.0	2.0	11.0	13.0	12.0	12.0
Bahrain	4.0	4.0	4.0	4.0	5.2	4.6	4.6	4.6
Bangladesh	600.0	600.0	600.0	600.0	8 800.0	8 641.0	8 824.2	9 301.0
Barbados	2.0	2.0	2.0	2.0	16.0	13.0	9.0	8.0
Belarus	2 995.0	3 241.0	2 783.6	2 521.0	6 257.0	5 657.0	5 790.6	5 760.0
Belgium	507.0	500.0	476.0	476.1	882.6	855.7	852.0	888.5
Belize	50.0	50.0	50.0	50.0	99.0	107.0	120.0	122.0
Benin	550.0	550.0	550.0	550.0	2 645.0	3 100.0	3 400.0	3 400.0
Bhutan	405.0	407.0	413.0	413.0	173.0	113.0	112.6	100.0
Bolivia (Plurinational State of)	33 831.0	33 000.0	33 000.0	33 000.0	3 312.0	4 516.0	4 661.0	4 787.0
Bosnia and Herzegovina	1 030.0	1 035.0	1 049.0	1 095.0	1 100.0	1 109.0	1 127.0	1 121.0
Botswana	25 600.0	25 600.0	25 600.0	25 600.0	351.0	261.0	261.6	262.0
Brazil	173 453.5	170 177.2	172 451.2	173 360.8	54 870.0	61 657.0	62 987.0	63 518.0
Brunei Darussalam	4.0	3.4	3.4	3.4	6.0	10.0	10.0	10.0
Bulgaria	1 804.0	1 702.0	1 368.7	1 404.0	3 778.0	3 350.0	3 643.2	3 644.0
Burkina Faso	6 000.0	6 000.0	6 000.0	6 000.0	3 770.0	6 143.0	6 143.0	6 143.0
Burundi	547.0	483.0	483.0	483.0	1 320.0	1 350.0	1 550.0	1 550.0
Cabo Verde	25.0	25.0	25.0	25.0	46.0	53.0	54.0	54.0
Cambodia	930.0	1 500.0	1 500.0	1 500.0	3 840.0	3 955.0	4 082.0	4 289.0
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	19 524.0	19 342.0	41 138.0	37 864.0	38 461.0	38 401.0
Central African Republic	3 125.0	3 200.0	3 200.0	3 200.0	2 024.0	1 914.0	1 880.0	1 880.0
Chad	45 000.0	45 000.0	45 000.0	45 000.0	3 630.0	4 235.0	5 237.0	5 238.0
Chile	13 000.0	14 015.0	14 015.0	14 015.0	2 110.0	1 728.0	1 770.0	1 695.0
China	392 834.0	392 831.0	392 834.0	392 834.0	130 897.0	136 085.8	135 799.4	135 674.1
Colombia	40 314.0	39 150.0	41 120.4	39 504.3	4 545.0	3 353.0	3 633.5	8 738.5

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

COUNTRY	PERMANENT MEADOWS AND PASTURES				CROPLAND			
	2000	2010	2015	2020	2000	2010	2015	2020
Comoros	15.0	15.0	15.0	15.0	118.0	118.0	118.0	116.0
Congo	10 000.0	10 000.0	10 000.0	10 000.0	540.0	576.0	627.0	628.0
Costa Rica	1 350.0	1 279.0	1 219.0	1 200.0	490.0	540.0	558.5	561.5
Côte d'Ivoire	13 000.0	13 200.0	13 200.0	13 200.0	6 600.0	7 400.0	8 000.0	8 000.0
Croatia	258.0	345.4	618.0	537.0	911.0	988.4	919.2	968.0
Cuba	2 500.0	2 657.2	2 723.0	2 839.4	4 054.0	3 804.0	3 517.3	3 561.6
Cyprus	1.1	2.0	1.9	2.3	140.4	112.5	124.8	131.9
Czechia	961.0	936.1	958.0	989.6	3 319.0	2 587.8	2 536.0	2 534.3
Democratic People's Republic of Korea	50.0	50.0	50.0	50.0	2 500.0	2 630.0	2 580.0	2 540.0
Democratic Republic of the Congo	18 100.0	18 200.0	18 200.0	18 200.0	7 500.0	10 229.0	14 250.0	15 372.0
Denmark	358.0	200.0	255.0	222.4	2 289.0	2 426.0	2 378.9	2 397.6
Djibouti	1 600.0	1 700.0	1 700.0	1 700.0	1.0	1.6	2.0	2.0
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	3 238.0	2 939.0	2 979.0	2 577.8	2 551.0	2 481.0
Egypt					3 291.0	3 671.0	3 789.9	3 971.0
El Salvador	498.1	396.1	345.1	314.7	877.1	871.4	877.9	881.0
Equatorial Guinea	2.9	3.6	4.3	4.9	210.0	189.9	187.7	183.6
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	315.0	286.0	855.0	652.1	678.0	699.0
Eswatini	1 032.0	1 032.0	1 032.0	1 032.0	191.0	190.0	190.0	190.0
Ethiopia	20 000.0	20 000.0	20 000.0	20 000.0	10 662.0	15 683.0	17 121.0	18 476.1
Fiji	173.0	173.0	173.0	173.0	198.8	146.1	142.6	138.6
Finland	26.0	33.0	27.8	22.0	2 192.0	2 258.9	2 245.6	2 248.0
France	10 312.3	9 614.5	9 261.9	9 583.2	19 495.1	19 311.8	19 465.0	18 970.5
Gabon	1 572.0	1 622.6	1 682.0	1 717.6	495.0	495.0	495.0	495.0
Gambia	267.0	160.0	160.0	160.0	285.0	455.0	445.0	445.0
Georgia	1 938.0	1 940.0	1 940.4	1 940.0	1 062.0	520.0	477.7	437.9
Germany	5 048.0	4 655.0	4 677.0	4 730.0	12 020.0	12 045.0	12 051.0	11 862.0
Ghana	7 805.4	7 491.1	7 473.6	7 382.7	5 289.2	5 253.2	5 235.2	5 221.0
Greece	4 675.0	3 785.0	2 917.0	2 647.0	3 854.0	3 704.0	3 282.0	3 220.2
Grenada	1.0	1.0	1.0	1.0	11.0	7.0	7.0	7.0
Guatemala	2 478.0	1 796.0	1 811.0	1 811.0	2 283.7	2 166.1	2 045.0	2 045.0
Guinea	10 700.0	10 700.0	10 700.0	10 700.0	3 379.0	3 600.0	3 800.0	3 800.0
Guinea-Bissau	115.1	197.6	239.8	265.1	548.0	550.0	550.0	550.0
Guyana	642.8	717.2	763.6	781.3	478.0	448.0	460.0	460.0
Haiti	490.0	490.0	490.0	490.0	1 200.0	1 380.0	1 350.0	1 350.0
Honduras	1 508.0	1 770.0	1 817.0	1 915.0	1 427.0	1 500.0	1 560.0	1 596.0
Hungary	1 051.0	763.0	761.0	733.0	4 803.0	4 580.0	4 503.0	4 170.0
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	10 262.0	10 376.0	170 130.0	169 234.0	169 413.0	168 669.1
Indonesia	11 177.0	11 000.0	11 000.0	11 000.0	36 000.0	44 600.0	46 300.0	51 300.0

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

COUNTRY	PERMANENT MEADOWS AND PASTURES				CROPLAND			
	2000	2010	2015	2020	2000	2010	2015	2020
Iran (Islamic Republic of)	46 600.0	29 477.0	29 477.0	29 477.0	16 284.0	17 062.4	16 477.0	17 536.0
Iraq	4 000.0	4 000.0	4 000.0	4 000.0	4 300.0	4 220.0	5 250.0	5 250.0
Ireland	4 018.8	4 127.2	3 976.0	4 067.0	393.2	440.8	454.0	445.0
Israel	142.0	133.6	140.0	165.0	424.0	370.9	393.9	481.4
Italy	4 353.0	4 698.0	3 897.0	3 739.0	11 284.0	9 629.8	9 048.0	9 260.0
Jamaica	229.0	229.0	229.0	229.0	250.0	215.0	215.0	215.0
Japan	428.0				4 830.0	4 593.0	4 496.0	4 372.0
Jordan	791.0	742.0	742.0	742.0	278.0	260.3	314.3	287.0
Kazakhstan	185 098.0	188 361.7	186 526.6	184 318.0	30 295.3	28 800.1	29 733.1	29 685.2
Kenya	21 300.0	21 300.0	21 300.0	21 300.0	5 371.0	6 020.0	6 330.0	6 330.0
Kiribati					34.0	34.0	34.0	34.0
Kuwait	136.0	136.0	136.0	136.0	12.0	16.0	13.4	14.0
Kyrgyzstan	9 291.0	9 261.5	9 200.6	9 003.7	1 423.0	1 350.4	1 355.6	1 364.1
Lao People's Democratic Republic	805.0	690.0	675.0	675.0	1 001.0	1 530.0	1 658.0	1 354.0
Latvia	606.0	625.0	648.0	626.0	982.0	1 180.0	1 236.5	1 343.0
Lebanon	325.0	400.0	400.0	400.0	270.0	240.0	265.0	269.7
Lesotho	2 000.0	2 000.0	2 000.0	2 000.0	334.0	326.0	223.0	600.0
Liberia	799.4	1 052.0	1 163.3	1 254.0	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	799.0	658.0	2 921.0	2 158.1	2 206.9	2 284.8
Luxembourg	65.0	67.6	66.9	68.3	63.0	63.5	64.4	63.7
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	3 835.0	3 800.0	3 800.0
Malaysia	285.0	285.0	285.0	285.0	6 653.7	7 104.3	8 285.0	8 286.0
Maldives	1.0	1.0	1.0	1.0	8.0	5.9	5.4	5.4
Mali	34 000.0	34 640.0	34 640.0	34 640.0	4 600.0	6 411.0	6 561.0	6 561.0
Malta					9.0	10.3	10.2	10.4
Marshall Islands	3.0	3.0	0.1	0.1	9.0	10.0	8.5	8.5
Mauritania	39 250.0	39 250.0	39 250.0	39 250.0	500.0	461.0	411.0	411.0
Mauritius	7.0	7.0	7.0	7.0	94.0	84.0	79.0	79.0
Mexico	80 952.0	76 223.0	73 937.0	74 269.0	25 378.0	25 584.0	24 743.0	22 869.0
Micronesia (Federated States of)	3.0	3.0	3.0	3.0	19.5	19.0	19.0	19.0
Mongolia	129 294.0	112 971.0	112 331.3	111 354.1	1 176.0	1 239.0	1 333.1	1 345.5
Montenegro		324.0	217.6	243.3		188.0	13.8	14.7
Morocco	21 000.0	21 000.0	21 000.0	21 000.0	9 652.0	8 988.3	9 047.0	9 382.0
Mozambique	33 300.0	33 715.9	34 748.0	35 463.8	4 150.0	5 950.0	5 950.0	5 950.0
Myanmar	314.0	309.0	306.0	480.0	10 498.0	12 217.0	12 443.0	12 528.0
Namibia	38 000.0	38 000.0	38 000.0	38 000.0	820.0	809.0	809.0	810.0
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	2 325.7	2 325.7
Netherlands	901.9	813.3	766.0	772.4	1 056.2	1 059.0	1 080.0	1 042.0
New Zealand	13 863.0	10 838.0	10 167.0	9 553.0	1 550.0	570.0	545.0	601.0

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

COUNTRY	PERMANENT MEADOWS AND PASTURES				CROPLAND			
	2000	2010	2015	2020	2000	2010	2015	2020
Nicaragua	2 990.0	3 200.0	3 275.0	3 275.0	2 151.0	1 826.0	1 790.0	1 790.0
Niger	23 000.0	28 782.0	28 782.0	28 782.0	14 000.0	15 200.0	16 915.0	17 815.0
Nigeria	25 184.0	28 117.0	27 133.6	27 950.1	41 000.0	39 700.0	41 500.0	41 500.0
North Macedonia	636.0	670.0	809.0	805.0	599.0	449.0	453.0	457.0
Norway	158.0	175.8	175.9	178.3	884.0	830.1	810.2	807.7
Oman	1 100.0	1 370.6	1 351.0	1 351.0	73.0	72.6	83.0	107.9
Pakistan	5 000.0	5 000.0	5 000.0	5 000.0	31 698.0	30 242.0	31 202.0	31 723.0
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	714.0	665.1
Papua New Guinea	180.0	190.0	190.0	190.0	825.0	1 000.0	1 000.0	1 000.0
Paraguay	11 985.1	11 985.1	11 985.1	11 985.1	3 110.0	4 060.0	4 953.0	4 824.0
Peru	17 802.0	18 631.0	18 800.0	18 800.0	5 429.3	6 163.3	5 895.8	5 678.3
Philippines	1 500.0	1 500.0	1 500.0	1 500.0	9 734.0	10 600.0	11 027.0	11 175.0
Poland	4 083.0	3 230.0	3 093.0	3 190.0	14 330.0	11 219.0	11 278.0	11 271.0
Portugal	1 417.0	1 792.6	1 816.6	2 054.6	2 539.4	1 861.6	1 822.2	1 818.2
Qatar	50.0	50.0	50.0	50.0	16.0	18.1	21.0	24.0
Republic of Korea	55.0	58.0	57.0	56.0	1 918.0	1 715.0	1 679.0	1 565.0
Republic of Moldova	382.0	353.0	347.0	337.6	2 162.0	2 112.0	1 971.0	1 927.0
Romania	4 949.0	4 547.0	4 655.0	4 260.0	9 908.0	9 609.0	9 203.0	9 331.0
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	410.0	410.0	1 150.0	1 373.9	1 401.7	1 401.7
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	12.1	6.4	45.0	35.5	63.5	43.0
San Marino					1.0	1.0	2.3	2.3
Sao Tome and Principe	1.0	1.0	1.0	1.0	48.0	45.0	43.0	43.0
Saudi Arabia	170 000.0	170 000.0	170 000.0	170 000.0	3 785.0	3 406.0	3 637.0	3 595.9
Senegal	5 650.0	5 600.0	5 600.0	5 600.0	3 377.0	3 858.0	3 273.0	3 278.0
Serbia		677.2	690.0	671.0		2 844.4	2 791.0	2 811.0
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	520.6	519.0	1 575.0	1 417.4	1 368.0	1 364.0
Slovenia	314.0	387.6	379.2	376.5	204.0	236.3	237.3	234.0
Solomon Islands	7.0	8.0	8.0	8.0	69.0	99.0	105.0	109.0
Somalia	43 000.0	43 000.0	43 000.0	43 000.0	1 067.0	1 128.0	1 125.0	1 125.0
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			25 773.2	25 773.0			2 618.9	2 477.7
Spain	11 462.0	10 324.0	9 388.6	9 496.2	18 304.0	17 221.0	17 187.9	16 646.4
Sri Lanka	440.0	440.0	440.0	440.0	1 910.0	2 180.0	2 300.0	2 372.0
Sudan			48 195.0	48 195.0			20 296.1	21 210.8

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

COUNTRY	PERMANENT MEADOWS AND PASTURES				CROPLAND			
	2000	2010	2015	2020	2000	2010	2015	2020
Suriname	21.0	17.3	16.0	16.0	67.0	61.0	71.0	67.0
Sweden	371.9	451.9	449.8	463.5	2 602.2	2 621.5	2 578.5	2 542.0
Switzerland	1 133.3	1 106.1	1 095.7	1 079.2	432.7	428.5	423.2	425.0
Syrian Arab Republic	8 359.0	8 212.0	8 188.0	8 188.0	5 352.0	5 696.0	5 733.0	5 733.0
Tajikistan	3 687.0	3 875.0	3 875.0	3 875.0	886.0	880.7	968.8	1 041.0
Thailand	800.0	800.0	800.0	800.0	19 034.0	20 260.0	21 710.0	22 210.0
Timor-Leste	150.0	150.0	150.0	150.0	187.0	188.0	190.6	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	4 917.0	4 750.0	4 990.0	5 186.0	4 917.0	4 981.0
Türkiye	14 100.0	14 617.0	14 617.0	14 617.0	26 379.0	24 395.0	23 934.0	23 145.0
Turkmenistan	33 500.0	32 000.0	31 838.0	31 838.0	2 000.0	2 000.0	2 000.0	2 000.0
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	7 841.0	7 534.0	33 496.0	33 374.0	33 667.0	33 777.0
United Arab Emirates	300.0	300.0	300.0	300.0	247.0	92.3	82.8	89.8
United Kingdom of Great Britain and Northern Ireland	11 036.0	11 208.0	11 078.0	11 235.7	5 928.0	6 016.0	6 060.0	6 023.6
United Republic of Tanzania	24 000.0	24 000.0	24 000.0	24 000.0	10 000.0	13 399.0	14 460.5	15 521.2
United States of America	236 331.0	246 575.2	245 373.6	245 373.6	178 068.0	160 416.5	159 345.1	160 436.8
Uruguay	13 543.0	12 362.0	12 000.0	12 000.0	1 415.0	2 071.0	2 467.6	2 063.4
Uzbekistan	22 500.0	21 067.0	21 126.0	21 244.3	4 828.0	4 531.0	4 422.0	4 438.2
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	11 505.8	11 718.0
Yemen	22 000.0	22 000.0	22 000.0	22 000.0	1 669.0	1 579.0	1 432.6	1 452.0
Zambia	19 650.0	20 000.0	20 000.0	20 000.0	2 848.0	3 436.0	3 836.0	3 836.0
Zimbabwe	11 360.0	12 100.0	12 100.0	12 100.0	3 700.0	4 100.0	4 100.0	4 100.0

Source: FAO. 2022. FAOSTAT: Land Use. In: FAO. Rome. Cited October 2022. <http://www.fao.org/faostat/en/#data/RL>

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

COUNTRY	2000	2005	2010	2015	2016	2017	2018	2019	2020
World	0.24	0.23	0.22	0.21	0.21	0.21	0.20	0.20	0.20
Africa	0.28	0.27	0.25	0.23	0.23	0.23	0.22	0.21	0.21
Americas	0.44	0.42	0.39	0.37	0.37	0.37	0.37	0.36	0.36
Asia	0.15	0.14	0.14	0.13	0.13	0.13	0.13	0.13	0.13
Europe	0.42	0.40	0.39	0.39	0.39	0.39	0.39	0.39	0.39
Oceania	0.85	0.85	0.76	0.84	0.81	0.81	0.81	0.79	0.78
Afghanistan	0.37	0.31	0.27	0.23	0.22	0.22	0.22	0.21	0.21
Albania	0.22	0.21	0.24	0.24	0.24	0.24	0.24	0.24	0.24
Algeria	0.26	0.25	0.23	0.21	0.21	0.21	0.20	0.20	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	0.17	0.17	0.16	0.16
Antigua and Barbuda	0.07	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.05
Argentina	0.78	0.89	0.95	0.87	0.84	0.80	0.76	0.75	0.75
Armenia	0.16	0.17	0.18	0.17	0.17	0.17	0.17	0.17	0.17
Australia	1.25	1.33	1.17	1.31	1.25	1.26	1.26	1.23	1.22
Austria	0.18	0.18	0.17	0.16	0.16	0.16	0.16	0.16	0.15
Azerbaijan	0.25	0.24	0.23	0.23	0.23	0.24	0.24	0.23	0.23
Bahamas	0.04	0.03	0.04	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	0.06	0.06	0.06	0.06	0.06	0.06
Barbados	0.06	0.05	0.05	0.03	0.03	0.03	0.03	0.03	0.03
Belarus	0.63	0.59	0.60	0.61	0.61	0.62	0.62	0.62	0.61
Belgium	0.09	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
Belize	0.40	0.36	0.33	0.33	0.33	0.32	0.32	0.31	0.31
Benin	0.39	0.37	0.34	0.32	0.31	0.30	0.30	0.29	0.28
Bhutan	0.29	0.29	0.16	0.15	0.14	0.13	0.13	0.13	0.13
Bolivia (Plurinational State of)	0.39	0.43	0.45	0.43	0.42	0.40	0.42	0.42	0.41
Bosnia and Herzegovina	0.29	0.30	0.30	0.33	0.33	0.35	0.34	0.34	0.34
Botswana	0.21	0.12	0.13	0.12	0.12	0.12	0.12	0.11	0.11
Brazil	0.31	0.32	0.32	0.31	0.31	0.31	0.30	0.30	0.30
Brunei Darussalam	0.02	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.02
Bulgaria	0.47	0.44	0.45	0.51	0.51	0.51	0.51	0.52	0.52
Burkina Faso	0.32	0.37	0.39	0.34	0.33	0.32	0.31	0.30	0.29
Burundi	0.21	0.18	0.16	0.15	0.15	0.14	0.14	0.13	0.13
Cabo Verde	0.11	0.11	0.11	0.10	0.10	0.10	0.10	0.10	0.10
Cambodia	0.32	0.29	0.28	0.26	0.26	0.26	0.26	0.26	0.26
Cameroon	0.46	0.41	0.38	0.33	0.32	0.32	0.31	0.30	0.29
Canada	1.34	1.24	1.11	1.07	1.06	1.05	1.05	1.04	1.02
Central African Republic	0.56	0.50	0.44	0.42	0.41	0.41	0.40	0.40	0.39
Chad	0.43	0.39	0.35	0.37	0.36	0.35	0.34	0.33	0.32
Chile	0.14	0.12	0.10	0.10	0.09	0.09	0.09	0.09	0.09
China	0.10	0.10	0.10	0.09	0.09	0.09	0.09	0.09	0.09
Colombia	0.11	0.08	0.07	0.08	0.08	0.20	0.20	0.20	0.17
Comoros	0.22	0.19	0.17	0.15	0.15	0.14	0.14	0.14	0.13

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

COUNTRY	2000	2005	2010	2015	2016	2017	2018	2019	2020
Congo	0.17	0.15	0.13	0.13	0.13	0.12	0.12	0.12	0.11
Costa Rica	0.12	0.11	0.12	0.12	0.12	0.12	0.12	0.11	0.11
Côte d'Ivoire	0.40	0.38	0.36	0.34	0.34	0.33	0.32	0.31	0.30
Croatia	0.21	0.22	0.23	0.22	0.22	0.21	0.21	0.22	0.24
Cuba	0.36	0.36	0.34	0.31	0.31	0.31	0.31	0.31	0.31
Cyprus	0.15	0.16	0.10	0.11	0.09	0.10	0.11	0.10	0.11
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	0.16	0.14	0.16	0.19	0.18	0.19	0.18	0.18	0.17
Denmark	0.43	0.43	0.44	0.42	0.42	0.42	0.42	0.42	0.41
Djibouti	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dominica	0.27	0.28	0.32	0.32	0.32	0.32	0.32	0.32	0.32
Dominican Republic	0.16	0.13	0.12	0.12	0.12	0.12	0.12	0.11	0.11
Ecuador	0.23	0.18	0.17	0.16	0.15	0.15	0.14	0.14	0.14
Egypt	0.05	0.05	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	0.35	0.27	0.20	0.16	0.15	0.15	0.14	0.14	0.13
Eritrea	0.25	0.22	0.22	0.21	0.20	0.20	0.20	0.20	0.20
Estonia	0.61	0.44	0.49	0.52	0.53	0.52	0.52	0.53	0.53
Eswatini	0.19	0.19	0.18	0.17	0.17	0.17	0.17	0.17	0.16
Ethiopia	0.16	0.18	0.18	0.17	0.17	0.16	0.16	0.16	0.16
Fiji	0.25	0.21	0.17	0.16	0.16	0.16	0.16	0.16	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	0.30	0.30	0.30	0.29	0.29	0.29
Gabon	0.40	0.36	0.30	0.25	0.25	0.24	0.23	0.23	0.22
Gambia	0.22	0.21	0.25	0.21	0.21	0.20	0.20	0.19	0.18
Georgia	0.24	0.14	0.13	0.12	0.11	0.11	0.11	0.11	0.11
Germany	0.15	0.15	0.15	0.15	0.15	0.14	0.14	0.14	0.14
Ghana	0.27	0.24	0.21	0.19	0.18	0.18	0.18	0.17	0.17
Greece	0.35	0.34	0.34	0.31	0.31	0.31	0.31	0.31	0.31
Grenada	0.11	0.06	0.07	0.06	0.06	0.06	0.06	0.06	0.06
Guatemala	0.20	0.17	0.15	0.13	0.12	0.12	0.12	0.12	0.11
Guinea	0.41	0.38	0.35	0.33	0.32	0.31	0.31	0.30	0.29
Guinea-Bissau	0.46	0.39	0.36	0.32	0.31	0.30	0.29	0.29	0.28
Guyana	0.64	0.60	0.60	0.60	0.61	0.61	0.60	0.59	0.58
Haiti	0.14	0.13	0.14	0.13	0.12	0.12	0.12	0.12	0.12
Honduras	0.22	0.19	0.18	0.17	0.17	0.17	0.17	0.16	0.16
Hungary	0.47	0.48	0.46	0.46	0.46	0.46	0.46	0.46	0.43
Iceland	0.46	0.44	0.38	0.37	0.36	0.36	0.36	0.36	0.35
India	0.16	0.15	0.14	0.13	0.13	0.13	0.12	0.12	0.12
Indonesia	0.17	0.18	0.18	0.18	0.19	0.19	0.19	0.19	0.19
Iran (Islamic Republic of)	0.25	0.26	0.23	0.21	0.21	0.21	0.21	0.21	0.21
Iraq	0.18	0.20	0.14	0.15	0.14	0.14	0.14	0.13	0.13
Ireland	0.10	0.12	0.10	0.10	0.10	0.10	0.09	0.09	0.09

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

COUNTRY	2000	2005	2010	2015	2016	2017	2018	2019	2020
Israel	0.07	0.06	0.05	0.05	0.05	0.06	0.06	0.06	0.06
Italy	0.20	0.18	0.16	0.15	0.15	0.15	0.15	0.15	0.15
Jamaica	0.09	0.09	0.08	0.07	0.07	0.07	0.07	0.07	0.07
Japan	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03
Jordan	0.05	0.05	0.04	0.03	0.03	0.03	0.03	0.03	0.03
Kazakhstan	2.03	1.86	1.77	1.69	1.67	1.65	1.63	1.59	1.58
Kenya	0.17	0.16	0.14	0.13	0.13	0.13	0.12	0.12	0.12
Kiribati	0.40	0.37	0.33	0.31	0.30	0.30	0.29	0.29	0.28
Kuwait	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
Kyrgyzstan	0.29	0.27	0.25	0.23	0.22	0.22	0.22	0.21	0.21
Lao People's Democratic Republic	0.19	0.21	0.24	0.25	0.24	0.23	0.21	0.20	0.19
Latvia	0.41	0.49	0.56	0.62	0.66	0.67	0.68	0.70	0.71
Lebanon	0.07	0.06	0.05	0.04	0.04	0.04	0.04	0.04	0.04
Lesotho	0.16	0.16	0.16	0.11	0.17	0.20	0.21	0.07	0.28
Liberia	0.21	0.19	0.17	0.16	0.15	0.15	0.15	0.14	0.14
Libya	0.40	0.36	0.33	0.32	0.32	0.31	0.31	0.30	0.30
Lithuania	0.83	0.58	0.69	0.75	0.75	0.75	0.77	0.81	0.84
Luxembourg	0.14	0.14	0.12	0.11	0.11	0.11	0.11	0.10	0.10
Madagascar	0.22	0.20	0.17	0.15	0.14	0.14	0.14	0.13	0.13
Malawi	0.26	0.26	0.26	0.23	0.22	0.22	0.21	0.20	0.20
Malaysia	0.29	0.27	0.25	0.27	0.27	0.27	0.26	0.26	0.26
Maldives	0.03	0.03	0.02	0.01	0.01	0.01	0.01	0.01	0.01
Mali	0.42	0.45	0.43	0.38	0.37	0.35	0.34	0.33	0.32
Malta	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Marshall Islands	0.18	0.18	0.18	0.15	0.15	0.15	0.15	0.14	0.14
Mauritania	0.19	0.14	0.13	0.10	0.10	0.10	0.09	0.09	0.09
Mauritius	0.08	0.07	0.07	0.06	0.06	0.06	0.06	0.06	0.06
Mexico	0.26	0.24	0.22	0.20	0.20	0.18	0.18	0.17	0.18
Micronesia (Federated States of)	0.18	0.18	0.18	0.17	0.17	0.17	0.17	0.17	0.17
Mongolia	0.49	0.47	0.46	0.44	0.43	0.43	0.42	0.41	0.41
Montenegro			0.30	0.02	0.02	0.02	0.02	0.02	0.02
Morocco	0.34	0.30	0.28	0.26	0.28	0.28	0.26	0.24	0.25
Mozambique	0.23	0.26	0.25	0.22	0.21	0.21	0.20	0.20	0.19
Myanmar	0.22	0.22	0.24	0.24	0.23	0.24	0.23	0.23	0.23
Namibia	0.46	0.42	0.38	0.35	0.34	0.34	0.33	0.32	0.32
Nauru	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Nepal	0.10	0.09	0.09	0.09	0.09	0.08	0.08	0.08	0.08
Netherlands	0.07	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.06
New Zealand	0.40	0.12	0.13	0.12	0.13	0.12	0.12	0.13	0.12
Nicaragua	0.42	0.42	0.31	0.29	0.28	0.28	0.28	0.27	0.27
Niger	1.24	1.04	0.92	0.85	0.85	0.82	0.79	0.76	0.74
Nigeria	0.34	0.31	0.25	0.23	0.22	0.22	0.21	0.21	0.20
North Macedonia	0.29	0.24	0.22	0.22	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	2016	2017	2018	2019	2020
Oman	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Pakistan	0.22	0.19	0.17	0.16	0.16	0.15	0.15	0.14	0.14
Palau	0.12	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13
Panama	0.23	0.21	0.21	0.18	0.17	0.17	0.16	0.16	0.15
Papua New Guinea	0.14	0.13	0.14	0.12	0.12	0.12	0.12	0.11	0.11
Paraguay	0.58	0.61	0.65	0.74	0.70	0.69	0.69	0.68	0.68
Peru	0.21	0.21	0.21	0.19	0.18	0.18	0.18	0.17	0.17
Philippines	0.12	0.11	0.11	0.11	0.11	0.11	0.10	0.10	0.10
Poland	0.37	0.33	0.29	0.30	0.29	0.30	0.30	0.30	0.30
Portugal	0.25	0.20	0.18	0.18	0.17	0.17	0.17	0.18	0.18
Qatar	0.03	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Republic of Korea	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Republic of Moldova	0.51	0.51	0.52	0.48	0.49	0.49	0.47	0.48	0.48
Romania	0.45	0.44	0.47	0.46	0.45	0.46	0.47	0.48	0.49
Russian Federation	0.86	0.86	0.86	0.85	0.85	0.85	0.85	0.85	0.85
Rwanda	0.15	0.15	0.14	0.12	0.12	0.12	0.11	0.11	0.11
Saint Kitts and Nevis	0.17	0.09	0.09	0.10	0.10	0.10	0.10	0.10	0.10
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	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
Samoa	0.26	0.21	0.19	0.33	0.30	0.27	0.24	0.22	0.22
San Marino	0.04	0.03	0.03	0.07	0.07	0.07	0.07	0.07	0.07
Sao Tome and Principe	0.34	0.30	0.25	0.22	0.21	0.21	0.20	0.20	0.20
Saudi Arabia	0.18	0.16	0.12	0.11	0.11	0.11	0.11	0.10	0.10
Senegal	0.34	0.29	0.30	0.22	0.22	0.21	0.21	0.20	0.20
Serbia			0.32	0.31	0.32	0.32	0.32	0.32	0.32
Seychelles	0.05	0.05	0.03	0.02	0.02	0.02	0.02	0.02	0.02
Sierra Leone	0.13	0.29	0.27	0.24	0.24	0.23	0.23	0.22	0.22
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	0.25
Slovenia	0.10	0.10	0.12	0.11	0.11	0.11	0.11	0.11	0.11
Solomon Islands	0.17	0.17	0.19	0.17	0.17	0.17	0.17	0.16	0.16
Somalia	0.12	0.13	0.09	0.08	0.08	0.08	0.08	0.07	0.07
South Africa	0.32	0.28	0.25	0.22	0.22	0.22	0.21	0.21	0.21
South Sudan				0.24	0.24	0.23	0.23	0.22	0.22
Spain	0.45	0.41	0.37	0.37	0.37	0.36	0.36	0.36	0.36
Sri Lanka	0.10	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
Sudan				0.52	0.52	0.51	0.51	0.50	0.48
Suriname	0.14	0.11	0.12	0.13	0.13	0.12	0.12	0.12	0.11
Sweden	0.29	0.30	0.28	0.26	0.26	0.26	0.26	0.25	0.25
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	0.27	0.32	0.33	0.34	0.34	0.34	0.33
Tajikistan	0.14	0.13	0.12	0.11	0.12	0.12	0.11	0.11	0.11
Thailand	0.30	0.29	0.30	0.32	0.32	0.32	0.32	0.32	0.32
Timor-Leste	0.21	0.18	0.17	0.16	0.16	0.15	0.15	0.15	0.15

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

COUNTRY	2000	2005	2010	2015	2016	2017	2018	2019	2020
Togo	0.49	0.45	0.42	0.39	0.38	0.37	0.36	0.35	0.34
Tonga	0.27	0.26	0.27	0.31	0.31	0.30	0.30	0.30	0.29
Trinidad and Tobago	0.05	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03
Tunisia	0.51	0.48	0.49	0.44	0.44	0.44	0.43	0.43	0.42
Türkiye	0.42	0.39	0.34	0.30	0.30	0.29	0.28	0.28	0.27
Turkmenistan	0.44	0.44	0.39	0.36	0.35	0.35	0.34	0.34	0.33
Tuvalu	0.21	0.17	0.17	0.16	0.16	0.16	0.16	0.15	0.15
Uganda	0.31	0.29	0.28	0.24	0.23	0.22	0.21	0.21	0.20
Ukraine	0.69	0.71	0.73	0.75	0.75	0.76	0.76	0.77	0.77
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	0.09	0.09	0.09	0.09	0.09	0.09	0.09
United Republic of Tanzania	0.30	0.29	0.30	0.28	0.28	0.27	0.27	0.26	0.26
United States of America	0.63	0.57	0.52	0.50	0.50	0.49	0.49	0.49	0.48
Uruguay	0.43	0.43	0.62	0.72	0.66	0.65	0.64	0.61	0.59
Uzbekistan	0.19	0.18	0.16	0.14	0.14	0.14	0.14	0.13	0.13
Vanuatu	0.72	0.67	0.61	0.53	0.52	0.51	0.50	0.48	0.47
Venezuela (Bolivarian Republic of)	0.14	0.13	0.12	0.11	0.11	0.11	0.11	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	0.10	0.08	0.07	0.05	0.05	0.05	0.05	0.05	0.05
Zambia	0.27	0.23	0.25	0.24	0.23	0.23	0.22	0.21	0.21
Zimbabwe	0.31	0.33	0.32	0.30	0.29	0.29	0.28	0.28	0.28

Source: FAO. 2022. FAOSTAT: Land use indicators. In: *FAO*. Rome. Cited October 2022. <http://www.fao.org/faostat/en/#data/EL>

TABLE 5.
AREA EQUIPPED FOR IRRIGATION (THOUSAND HA)

COUNTRY	2000	2005	2010	2015	2016	2017	2018	2019	2020
World	289 344	310 291	322 835	337 892	339 697	341 573	342 882	347 969	348 503
Africa	13 189	14 169	15 123	16 408	16 420	16 644	16 690	16 801	16 899
Americas	47 617	49 459	51 711	54 565	55 060	55 517	56 110	56 679	56 697
Asia	199 144	217 189	227 477	237 627	238 811	239 927	240 576	244 946	245 390
Europe	26 712	26 381	25 284	25 994	26 103	26 177	26 198	26 247	26 205
Oceania	2 682	3 093	3 241	3 298	3 303	3 308	3 308	3 296	3 312
Afghanistan	3 203	3 208	3 208	3 208	3 208	3 208	3 208	3 208	3 208
Albania	340	362	331	353	354	354	356	357	360
Algeria	601	825	1 101	1 360	1 360	1 365	1 365	1 365	1 365
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	217	213	208	208	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	1 439	1 446	1 449	1 450	1 480
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	5 500	5 550	5 560	7 777	8 127
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	24	24	24	24	24	24
Bhutan	27	27	32	33	33	33	33	33	33
Bolivia (Plurinational State of)	226	256	289	392	417	442	473	503	520
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	7 266	7 577	7 889	8 200	8 200
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	54	54	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	73 553	74 322	74 945	74 921	74 921
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	2016	2017	2018	2019	2020
Congo	2	2	2	2	2	2	2	2	2
Costa Rica	103	103	102	137	148	160	160	160	160
Côte d'Ivoire	73	73	73	73	73	73	73	73	73
Croatia	3	12	23	28	29	30	30	30	48
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	46	46	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	218	304	299	354	299
Djibouti	1	1	1	1	1	1	1	1	1
Dominica			0	0	0	0	0	0	0
Dominican Republic	275	290	307	307	307	307	307	307	307
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	3 726	3 823	3 823	3 880	3 928
El Salvador	45	45	44	54	57	60	63	45	45
Equatorial Guinea					1	1	1	1	1
Eritrea	21	21	21	21	21	21	21	21	21
Estonia	2	1	1	2	3	3	3	3	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	55	55	55
France	2 634	2 678	2 727	2 731	2 691	2 691	2 691	2 691	2 691
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	130	127	120	112	112
Germany	485	510	652	680	676	676	676	676	676
Ghana	31	33	34	221	221	222	223	223	223
Greece	1 321	1 594	1 385	1 530	1 530	1 530	1 530	1 530	1 530
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	230	198	202	190	190
Iceland							0	0	0
India	60 432	64 646	67 700	70 074	70 237	70 400	70 400	72 504	72 504
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	2016	2017	2018	2019	2020
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	2 432	2 418	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	2 205	2 205	2 225	2 234
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	425	439	439	441	441
Latvia	1	1	1	1	1	1	1	1	1
Lebanon	104	111	108	97	94	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	4	4	4	4	4
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	6 749	6 811	7 057	7 302	7 304
Micronesia (Federated States of)									
Mongolia	88	91	94	90	88	87	87	87	87
Montenegro			2	2	2	2	2	2	2
Morocco	1 443	1 490	1 515	1 783	1 849	1 896	1 916	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	2 295	2 295
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	498	408	486	515	522	522	522	522	522
New Zealand	285	533	680	737	742	747	747	735	751
Nicaragua	86	140	194	199	199	199	199	199	199
Niger	73	80	93	101	101	159	183	207	267
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	84	84	85

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

COUNTRY	2000	2005	2010	2015	2016	2017	2018	2019	2020
Oman	60	60	65	83	85	101	109	110	108
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	36	37	38	39	41
Papua New Guinea									
Paraguay	67	70	90	140	140	140	140	140	140
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	1 856	1 888	1 921	1 972	2 006
Poland	89	124	85	205	271	271	271	271	271
Portugal	792	617	544	549	548	554	560	567	567
Qatar	13	13	16	21	21	22	22	24	24
Republic of Korea	880	867	788	734	728	707	707	707	707
Republic of Moldova	302	228	228	228	228	228	223	222	218
Romania	3 082	3 176	3 154	3 149	3 149	3 149	3 149	3 152	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	3 188	3 279	3 279	3 279	3 279
Senegal	106	120	120	120	120	120	120	120	120
Serbia			88	77	75	70	68	63	63
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	64	63	66	66	57
Slovenia	3	5	8	6	6	6	6	7	7
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	23	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	633	637	637	637	637
Sudan				1 855	1 855	1 855	1 855	1 855	1 855
Suriname	52	52	57	70	71	68	68	67	65
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	2016	2017	2018	2019	2020
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	478	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	84	82	90	90
United Kingdom of Great Britain and Northern Ireland	243	228	95	152	170	189	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	26 874	26 916	26 916	26 916	26 916
Uruguay	188	218	230	254	258	263	263	263	263
Uzbekistan	4 200	4 198	4 255	4 312	4 313	4 313	4 312	4 307	4 329
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	184	187	187	187	187

Source: FAO. 2022. FAOSTAT: Land Use. In: FAO. Rome. Cited October 2022. <http://www.fao.org/faostat/en/#data/RL>

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

COUNTRY	2000	2005	2010	2015	2016	2017	2018	2019	2020
World	5.9	6.4	6.7	7.1	7.2	7.2	7.2	7.3	7.3
Africa	1.2	1.3	1.3	1.5	1.5	1.5	1.5	1.5	1.5
Americas	4.1	4.3	4.6	4.8	4.9	4.9	5.0	5.1	5.1
Asia	11.9	13.2	13.7	14.3	14.3	14.4	14.4	14.7	14.7
Europe	5.5	5.6	5.4	5.6	5.7	5.7	5.7	5.7	5.7
Oceania	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Afghanistan	8.5	8.5	8.5	8.5	8.5	8.5	8.4	8.4	8.4
Albania	29.7	33.6	27.6	30.1	29.9	30.2	30.3	30.4	30.8
Algeria	1.5	2.0	2.7	3.3	3.3	3.3	3.3	3.3	3.3
Andorra		0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Angola	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Antigua and Barbuda	1.9	2.8	3.6	4.2	4.2	4.2	4.2	4.2	4.2
Argentina	1.2	1.4	1.8	2.0	2.1	2.1	2.2	2.2	2.2
Armenia	20.7	16.4	14.0	13.2	12.9	12.7	12.4	12.4	12.5
Australia	0.5	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Austria	3.2	4.2	4.2	3.9	3.7	3.8	3.8	3.8	3.8
Azerbaijan	30.2	30.1	29.9	30.1	30.1	30.3	30.3	30.3	31.0
Bahamas	7.7	7.7	6.7	7.1	7.1	7.1	7.1	7.1	7.1
Bahrain	43.5	46.0	44.5	43.4	43.4	43.4	43.4	43.4	43.4
Bangladesh	44.5	52.4	56.1	58.4	57.9	58.2	57.9	79.0	82.1
Barbados	27.8	33.8	36.0	49.1	54.0	54.0	54.0	54.0	54.0
Belarus	1.4	1.3	0.6	0.4	0.4	0.4	0.4	0.4	0.4
Belgium	2.4	1.6	1.5	1.7	1.8	1.8	1.8	1.8	1.8
Belize	2.0	2.3	2.2	2.1	2.1	2.0	2.0	2.0	2.0
Benin	0.3	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Bhutan	4.7	4.6	6.1	6.3	6.4	6.4	6.4	6.4	6.4
Bolivia (Plurinational State of)	0.6	0.7	0.8	1.0	1.1	1.2	1.3	1.3	1.4
Bosnia and Herzegovina	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Botswana	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Brazil	1.6	1.9	2.3	3.0	3.1	3.2	3.3	3.5	3.5
Brunei Darussalam	10.0	9.1	7.5	7.5	7.5	7.5	7.5	7.5	7.5
Bulgaria	11.1	2.1	2.7	2.6	2.7	2.7	2.7	2.7	2.7
Burkina Faso	0.3	0.3	0.4	0.5	0.5	0.5	0.5	0.5	0.5
Burundi	1.1	1.3	1.3	1.1	1.1	1.1	1.1	1.1	1.1
Cabo Verde	4.2	4.7	4.5	4.6	4.6	4.6	4.6	4.6	4.6
Cambodia	5.7	5.0	5.0	4.8	4.8	4.8	4.7	4.7	4.7
Cameroon	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Canada	1.9	2.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1
Central African Republic	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Chad	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Chile	7.3	6.9	7.1	7.0	7.1	7.0	7.1	7.1	7.1
China	10.4	11.8	12.6	13.7	13.9	14.1	14.2	14.2	14.2
Colombia	2.0	2.3	2.5	2.4	2.4	2.2	2.2	2.2	2.3
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 AGRICULTURAL LAND (PERCENT) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2016	2017	2018	2019	2020
Congo	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Costa Rica	5.6	5.7	5.6	7.7	8.3	9.0	9.0	9.0	9.1
Côte d'Ivoire	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3
Croatia	0.3	1.0	1.8	1.8	1.9	2.0	2.0	2.0	3.2
Cuba	12.3	10.6	10.0	10.2	10.3	10.1	10.1	10.0	10.0
Cyprus	29.3	27.5	35.2	30.4	34.9	31.4	28.9	30.5	28.6
Czechia	0.8	1.3	0.9	1.0	1.3	1.3	1.3	1.3	1.0
Democratic People's Republic of Korea	57.3	56.2	54.5	55.5	55.7	56.1	56.3	56.4	56.4
Democratic Republic of the Congo	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Denmark	16.9	16.6	16.6	8.3	8.3	11.6	11.4	13.5	11.4
Djibouti	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Dominica			0.8	0.8	0.8	0.8	0.8	0.8	0.8
Dominican Republic	10.9	12.0	12.8	12.6	12.6	12.6	12.6	12.6	12.6
Ecuador	10.6	14.1	20.0	28.9	31.0	30.6	31.4	32.1	31.6
Egypt	100.0	99.8	99.8	99.8	99.8	99.6	99.0	98.9	98.9
El Salvador	3.3	3.5	3.5	4.4	4.7	5.0	5.2	3.8	3.8
Equatorial Guinea					0.8	0.8	0.8	0.8	0.8
Eritrea	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Estonia	0.2	0.2	0.1	0.2	0.3	0.3	0.3	0.3	0.2
Eswatini	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
Ethiopia	1.0	1.3	1.8	2.3	2.3	2.3	2.3	2.3	2.2
Fiji	0.8	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3
Finland	4.0	3.5	3.0	3.1	2.4	2.4	2.4	2.4	2.4
France	8.8	9.1	9.4	9.5	9.4	9.4	9.4	9.4	9.4
Gabon	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Gambia	0.4	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Georgia	15.6	18.6	19.1	19.4	5.4	5.3	5.1	4.7	4.7
Germany	2.8	3.0	3.9	4.1	4.1	4.1	4.1	4.1	4.1
Ghana	0.2	0.3	0.3	1.7	1.8	1.8	1.8	1.8	1.8
Greece	15.5	19.9	18.5	24.7	24.9	25.3	25.7	26.1	26.1
Grenada	1.7	7.1	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Guatemala	3.8	6.9	8.4	8.8	8.8	8.8	8.8	8.8	8.8
Guinea	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Guinea-Bissau	3.8	3.5	3.3	3.2	3.1	3.1	3.1	3.1	3.1
Guyana	13.3	12.8	12.4	11.7	11.6	11.5	11.4	11.5	11.5
Haiti	5.6	5.8	5.2	5.3	5.3	5.3	5.3	5.3	5.3
Honduras	2.7	2.6	2.8	2.7	2.6	2.6	2.6	2.6	2.6
Hungary	4.0	2.6	3.1	3.9	4.4	3.7	3.8	3.6	3.9
Iceland							0.0	0.0	0.0
India	33.4	35.9	37.7	39.0	39.1	39.3	39.3	40.5	40.5
Indonesia	11.7	13.0	12.1	11.7	11.2	10.8	10.8	10.8	10.8
Iran (Islamic Republic of)	12.5	18.0	19.9	20.9	20.9	20.7	20.5	20.4	20.4
Iraq	42.5	37.5	42.9	38.1	38.1	38.1	38.1	38.1	38.1
Ireland									

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

COUNTRY	2000	2005	2010	2015	2016	2017	2018	2019	2020
Israel	36.4	43.7	44.6	53.4	55.4	47.5	47.7	47.9	47.3
Italy	24.7	27.0	26.1	31.6	32.2	32.2	33.2	31.4	31.7
Jamaica	5.4	6.0	6.9	6.9	6.9	6.9	6.9	6.9	6.9
Japan	50.2	54.5	54.3	54.4	54.4	54.4	54.4	54.7	55.0
Jordan	7.2	7.9	9.6	9.9	10.0	10.6	10.5	10.3	10.4
Kazakhstan	1.3	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Kenya	0.3	0.4	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Kiribati									
Kuwait	4.7	5.1	9.2						
Kyrgyzstan	9.8	9.5	9.6	9.7	9.7	9.7	9.9	9.9	9.9
Lao People's Democratic Republic	16.4	15.1	15.3	17.6	18.2	19.5	20.1	21.0	21.7
Latvia	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Lebanon	17.5	17.0	16.9	14.6	14.0	13.4	13.4	13.4	13.4
Lesotho	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Liberia	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Libya	3.0	2.8	2.6	2.6	2.6	2.6	2.6	2.6	2.6
Lithuania	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1
Luxembourg									
Madagascar	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
Malawi	1.2	1.4	1.5	1.6	1.6	1.6	1.6	1.6	1.6
Malaysia	5.3	5.3	5.4	5.2	5.2	5.2	5.2	5.2	5.2
Maldives									
Mali	0.6	0.7	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Malta	22.2	32.3	33.9	41.1	35.2	35.2	35.2	35.2	35.2
Marshall Islands									
Mauritania	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Mauritius	19.8	21.9	22.0	22.1	22.1	22.1	22.1	22.1	22.1
Mexico	5.9	5.9	6.4	6.8	6.9	7.0	7.3	7.6	7.5
Micronesia (Federated States of)									
Mongolia	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Montenegro			0.5	1.0	0.9	0.9	0.9	0.9	1.0
Morocco	4.7	5.0	5.1	5.9	6.0	6.1	6.3	6.6	6.4
Mozambique	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Myanmar	17.3	19.0	18.6	18.0	18.0	17.6	17.6	17.7	17.6
Namibia	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nauru									
Nepal	26.7	28.4	30.4	33.2	33.2	33.2	33.2	33.2	33.2
Netherlands	25.4	21.1	26.0	27.9	28.8	28.7	28.7	28.7	28.8
New Zealand	1.9								
Nicaragua	1.7	2.6	3.9	3.9	3.9	3.9	3.9	3.9	3.9
Niger	0.2	0.2	0.2	0.2	0.2	0.3	0.4	0.4	0.6
Nigeria	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
North Macedonia	4.5	10.4	11.4	10.1	10.1	10.1	10.1	10.1	10.1
Norway	12.9	11.4	9.3	8.5	8.5	8.5	8.5	8.5	8.7

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

COUNTRY	2000	2005	2010	2015	2016	2017	2018	2019	2020
Oman	5.1	4.1	4.5	5.8	5.9	7.0	7.5	7.6	7.4
Pakistan	49.3	52.8	55.8	55.2	54.3	54.0	54.1	55.0	54.4
Palau									
Panama	1.6	1.5	1.4	1.6	1.6	1.7	1.7	1.8	1.9
Papua New Guinea									
Paraguay	0.4	0.5	0.6	0.8	0.8	0.8	0.8	0.8	0.8
Peru	8.7	9.4	10.0	10.5	10.6	10.6	10.5	10.6	10.6
Philippines	12.1	12.5	12.8	13.8	14.8	15.0	15.2	15.6	15.8
Poland	0.5	0.8	0.6	1.4	1.9	1.9	1.9	1.9	1.9
Portugal	20.0	16.1	14.9	15.1	15.1	15.1	15.1	14.6	14.6
Qatar	19.2	20.0	23.5	29.6	29.6	30.6	29.7	32.4	32.4
Republic of Korea	44.6	46.1	44.4	42.3	42.8	42.2	42.8	43.2	43.6
Republic of Moldova	11.9	9.1	9.3	9.8	9.8	9.8	9.9	9.8	9.6
Romania	20.7	22.4	22.3	22.7	23.3	23.5	23.5	22.8	23.3
Russian Federation	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Rwanda	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Saint Kitts and Nevis	0.2	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5
Saint Lucia	21.1	27.5	30.2	30.2	30.2	30.2	30.2	30.2	30.2
Saint Vincent and the Grenadines	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
Samoa									
San Marino									
Sao Tome and Principe	20.4	20.8	21.7	22.7	22.7	22.7	22.7	22.7	22.7
Saudi Arabia	0.9	1.1	1.5	1.8	1.8	1.9	1.9	1.9	1.9
Senegal	1.2	1.4	1.3	1.4	1.4	1.4	1.4	1.4	1.4
Serbia			2.5	2.2	2.2	2.0	2.0	1.8	1.8
Seychelles		7.5	12.5	19.4	19.4	19.4	19.4	19.4	19.4
Sierra Leone	1.1	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Singapore									
Slovakia	7.5	9.7	5.6	3.3	3.4	3.3	3.5	3.5	3.0
Slovenia	0.6	1.0	1.3	1.0	0.9	1.0	1.1	1.1	1.1
Solomon Islands									
Somalia	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
South Africa	1.5	1.6	1.6	1.7	1.7	1.7	1.7	1.7	1.7
South Sudan				0.1	0.1	0.1	0.1	0.1	0.1
Spain	12.6	13.2	13.3	14.8	14.9	14.9	15.0	15.0	15.0
Sri Lanka	24.3	22.7	21.8	23.0	23.0	23.1	22.7	22.7	22.7
Sudan				2.7	2.7	2.7	2.7	2.7	2.7
Suriname	58.5	70.7	72.8	80.5	81.6	81.0	81.0	79.8	77.4
Sweden	4.6	5.2	5.3	5.2	5.2	5.2	5.2	5.2	5.2
Switzerland	2.4	3.2	4.0	3.5	3.4	3.4	3.4	3.5	3.5
Syrian Arab Republic	8.8	10.3	9.6	9.4	9.4	9.4	9.4	9.4	9.4
Tajikistan	15.7	15.6	15.9	16.9	16.8	16.7	16.6	16.6	16.6
Thailand	28.2	31.6	30.5	28.5	28.4	28.3	28.1	28.0	27.9
Timor-Leste	9.5	10.5	10.4	10.3	10.3	10.3	10.2	10.3	10.3

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

COUNTRY	2000	2005	2010	2015	2016	2017	2018	2019	2020
Togo	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Tonga									
Trinidad and Tobago	7.5	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
Tunisia	4.1	4.3	4.6	4.9	4.9	5.1	5.1	5.1	5.1
Türkiye	11.7	12.7	13.4	13.5	13.6	13.7	13.8	13.8	13.8
Turkmenistan	5.2	5.7	5.9	5.9	5.9	5.9	5.9	5.9	5.9
Tuvalu									
Uganda	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Ukraine	5.8	5.3	5.3	5.2	5.2	5.2	5.2	5.2	5.2
United Arab Emirates	38.4	40.8	23.5	21.6	21.8	21.8	21.4	23.2	23.0
United Kingdom of Great Britain and Northern Ireland	1.4	1.3	0.6	0.9	1.0	1.1	1.2	1.2	1.2
United Republic of Tanzania	0.5	0.7	0.9	1.0	0.9	0.9	0.9	0.9	0.9
United States of America	6.5	6.5	6.5	6.6	6.6	6.6	6.6	6.6	6.6
Uruguay	1.3	1.5	1.6	1.8	1.8	1.9	1.9	1.9	1.9
Uzbekistan	15.4	15.8	16.6	16.9	16.9	16.9	16.9	16.9	16.9
Vanuatu									
Venezuela (Bolivarian Republic of)	2.7	4.4	4.9	4.9	4.9	4.9	4.9	4.9	4.9
Viet Nam	44.0	43.9	42.6	37.7	37.7	37.7	37.8	37.0	37.1
Yemen	2.1	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
Zambia	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Zimbabwe	1.0	1.0	1.0	1.1	1.1	1.2	1.2	1.2	1.2

Source: FAO. 2022. FAOSTAT: Land use indicators. In: FAO. Rome. Cited October 2022. <http://www.fao.org/faostat/en/#data/EL>

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

COUNTRY	2000	2005	2010	2014	2015	2016	2017	2018	2019
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	58.3	69.6	70.3	64.0	68.2	61.2
Algeria	60.7	59.7	59.3	63.8	65.8	64.1	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	74.9	81.7	80.0	73.2	69.3	74.5
Australia	69.4	65.2	53.8	63.4	54.2	65.5	69.4	69.9	58.4
Austria	2.7	2.6	2.2	2.2	2.2	2.2	2.2	2.2	2.2
Azerbaijan	58.0	66.5	72.2	69.7	91.1	91.1	92.1	92.4	92.2
Bahamas									
Bahrain	49.1	41.8	35.8	31.7	32.2	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	33.0	30.0	29.5	30.9	29.9	27.0
Belgium	0.5	0.6	0.7	0.9	1.1	1.1	1.0	1.3	1.3
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	24.3	23.4	24.7	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	92.0	92.0	92.0	92.0	92.0	92.0	92.0
Bosnia and Herzegovina									
Botswana	41.2	37.9	37.7	35.1	36.3	40.2	35.8	39.0	36.9
Brazil	58.3	55.2	60.0	54.2	54.0	60.9	60.0	58.1	61.1
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	13.5	14.7	16.0	14.8	13.3	14.7
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		92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
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	8.5	7.5	9.1	10.6	10.6	10.7
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	89.2	90.0	29.4	90.9	90.9	90.9
China	68.8	64.6	62.5	64.6	64.4	64.4	64.4	64.4	64.4
Colombia	63.5	56.9	62.6	70.6	71.8	75.0	74.2	74.2	74.1
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	2014	2015	2016	2017	2018	2019
Congo	8.8	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
Costa Rica				70.6	72.1	73.1	82.0	81.7	80.7
Côte d'Ivoire	42.6	38.4	44.8	51.6	51.6	51.6	51.6	51.6	51.6
Croatia		1.0	1.3	9.2	10.3	10.5	10.6	10.6	11.0
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	63.3	66.3	63.9	62.6	61.2	59.9
Czechia	0.6	1.2	2.0	2.9	3.4	2.9	2.9	3.0	2.9
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	43.3	47.7	52.1	53.3	59.7	53.6
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	82.7	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	84.8	84.4	84.3	79.2	79.2	79.2
El Salvador	55.2	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
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	0.3	0.3	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	91.4	91.6	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	14.3	15.5	17.4	17.4	14.3	13.8
France	14.9	13.9	10.6	7.7	11.4	11.8	10.9	11.1	11.1
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	36.5	32.4	28.2	35.4	35.5	37.6
Germany	0.7	0.7	0.8	1.3	1.4	1.4	1.4	1.4	1.4
Ghana	66.4	70.0	72.9	74.8	72.6	73.1	73.1	73.1	73.1
Greece	89.2	90.1	86.0	83.5	83.6	80.0	80.0	80.1	80.1
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	64.8	65.5	66.1	66.8	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	11.2	12.7	10.0	11.1	10.8	11.2
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	84.5	84.8	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	91.5	91.5	87.8	91.5	78.1
Ireland	14.9	15.9	10.9	7.7	7.2	6.5	5.4	6.5	4.6

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

COUNTRY	2000	2005	2010	2014	2015	2016	2017	2018	2019
Israel	59.1	57.3	57.3	53.5	52.6	55.6	43.3	44.0	51.4
Italy	44.1	40.5	44.1	49.7	49.7	49.7	49.7	49.7	49.7
Jamaica	64.9	57.0	30.7	18.8	16.4	8.4	8.4	8.4	8.4
Japan	63.3	65.9	66.9	67.3	67.4	67.5	67.7	67.6	67.6
Jordan	66.2	65.0	56.1	53.5	51.0	53.1	52.4	52.2	51.6
Kazakhstan	66.7	71.3	59.1	57.8	61.1	61.0	61.8	63.2	63.2
Kenya	64.7	69.7	59.3	59.3	59.3	80.2	80.2	80.2	80.2
Kiribati									
Kuwait	53.6	53.2	56.5	58.8	59.3	60.5	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	96.0	96.2	96.1	95.9	95.9	95.9
Latvia	16.0	21.9	18.4	22.0	27.8	31.3	31.2	30.5	32.3
Lebanon	64.2	59.5	47.0	39.6	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	16.2	15.6	19.3	22.7	22.5	22.5
Luxembourg	0.3	0.3	0.2	0.7	1.6	0.7	0.9	1.0	1.2
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	44.3	41.1	40.6	42.4	39.1	36.5
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	60.2	56.0	57.0	55.8	51.0	50.3
Mexico	84.7	76.7	76.7	76.7	76.3	76.3	76.0	75.7	75.7
Micronesia (Federated States of)									
Mongolia	46.2	42.2	46.3	58.0	61.6	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	73.1	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	1.0	0.6	1.1	0.9	1.3	1.0	1.5	3.7	3.0
New Zealand	65.9	58.2	61.7	64.7	65.5	66.3	66.1	65.7	65.6
Nicaragua	82.5	78.3	76.7	76.7	76.7	76.7	76.7	76.7	76.7
Niger	67.3	66.7	87.5	87.6	88.5	87.9	86.4	90.9	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	31.1	19.1	31.5	39.5	38.3	38.3
Norway	32.0	26.7	30.1	30.4	31.1	31.9	31.4	31.4	31.4

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

COUNTRY	2000	2005	2010	2014	2015	2016	2017	2018	2019
Oman	90.4	87.7	86.4	84.7	82.6	82.6	82.6	82.6	82.6
Pakistan	94.3	94.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0
Palau									
Panama			43.0	38.8	35.7	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	86.3	86.2	86.0	85.9	85.8	85.1
Philippines			81.5	81.2	78.6	77.5	74.0	73.8	79.0
Poland	8.6	9.5	10.6	9.9	9.4	10.0	10.1	13.8	14.1
Portugal	76.9	71.5	67.0	61.5	59.8	57.8	55.5	57.0	55.8
Qatar	71.5	59.0	40.8	35.1	28.3	32.0	27.0	26.1	25.1
Republic of Korea	61.9	54.7	57.9	57.6	59.2	58.9	58.9	58.9	58.9
Republic of Moldova	17.0	8.3	4.2	5.0	5.2	5.1	5.0	5.1	5.2
Romania	9.7	8.1	11.9	17.4	20.0	19.5	22.0	22.2	22.2
Russian Federation	20.1	19.9	19.9	26.4	28.0	28.1	29.0	28.8	28.8
Rwanda	68.0	67.5	63.2	61.4	61.1	60.8	60.5	60.2	59.0
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
Saudi Arabia	87.7	88.1	85.4	83.8	83.9	82.7	82.2	81.6	81.6
Senegal	89.9	92.1	90.7	89.7	89.5	89.2	89.0	91.1	91.3
Serbia			14.7	16.0	15.4	13.5	12.3	12.8	12.6
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	3.1	4.0	4.0	4.0	4.0	4.0
Slovakia	7.8	2.6	3.1	4.1	5.5	3.9	5.7	13.3	13.3
Slovenia		0.2	0.2	0.2	0.4	0.4	0.4	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	61.6	60.8	59.5	58.8	57.9	57.9
South Sudan				36.5	36.5	36.5	36.5	36.5	36.5
Spain	64.8	64.4	66.3	66.8	65.7	65.2	65.8	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	3.3	3.2	3.2	3.2	3.2	3.2
Switzerland	2.0	4.1	6.7	9.4	9.2	9.2	9.2	9.1	9.1
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	91.2	88.0	81.1	64.9	75.5	69.6
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	2014	2015	2016	2017	2018	2019
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	79.4	79.3	79.1	74.4	76.3	76.3
Türkiye	80.0	83.3	85.7	85.2	86.7	87.6	87.1	87.1	87.6
Turkmenistan	96.5	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
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	34.3	31.1	32.1	41.6	41.6	39.6
United Arab Emirates	78.5	82.8	65.9	54.7	52.2	49.8	48.5	48.8	48.2
United Kingdom of Great Britain and Northern Ireland	12.0	14.0	14.8	14.6	15.4	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	38.9	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	91.6	92.1	91.7	92.3	92.3	92.3
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	79.4	79.0	80.0	83.0	80.6	80.6

Source: FAO. 2022. AQUASTAT. In: FAO. Rome. Cited October 2022. <https://www.fao.org/aquastat/statistics/query/index.html?lang=en>

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

COUNTRY	2000	2005	2010	2015	2017	2018	2019	2020	2021
World	1 043 542	1 039 109	977 942	901 471	888 232	879 127	870 953	856 482	866 289
Africa	161 999	182 364	193 964	204 623	212 251	215 037	219 149	220 218	225 595
Americas	42 807	45 593	43 272	42 401	43 145	43 659	43 386	41 770	42 935
Asia	802 512	781 899	716 504	632 756	612 213	600 188	588 450	574 972	578 944
Europe	34 474	27 691	22 820	20 404	19 322	18 934	18 661	18 219	17 546
Oceania	1 750	1 562	1 381	1 286	1 302	1 308	1 308	1 303	1 269
Afghanistan	2 894	3 459	3 369	3 551	3 778	3 953	4 103	3 823	3 946
Albania	542	509	456	446	451	460	463	424	426
Algeria	1 393	1 643	1 179	1 003	1 110	1 105	1 112	1 114	1 117
Andorra									
Angola	2 456	2 921	4 186	6 121	6 659	6 951	7 205	7 281	7 496
Antigua and Barbuda									
Argentina	1 746	1 732	1 601	1 470	1 412	1 414	1 421	1 302	1 422
Armenia	513	459	408	384	335	309	310	292	292
Australia	432	354	359	313	318	327	326	346	315
Austria	227	202	215	193	172	164	164	173	165
Azerbaijan	1 561	1 571	1 630	1 680	1 717	1 718	1 687	1 587	1 595
Bahamas	6	6	5	6	7	7	7	6	6
Bahrain	5	6	8	8	9	9	9	9	10
Bangladesh	27 753	24 454	26 279	25 905	25 955	25 653	25 355	24 506	24 541
Barbados	5	3	4	4	4	4	4	4	4
Belarus	806	704	589	462	436	422	405	397	384
Belgium	79	87	61	54	55	48	45	45	46
Belize	20	18	21	26	27	28	28	34	35
Benin	1 391	1 547	1 658	1 523	1 466	1 427	1 415	1 417	1 426
Bhutan	171	187	170	189	192	194	195	188	190
Bolivia (Plurinational State of)	1 402	1 600	1 465	1 417	1 545	1 684	1 540	1 451	1 688
Bosnia and Herzegovina	192	187	197	165	181	152	178	121	113
Botswana	97	142	164	146	140	138	135	167	169
Brazil	11 379	13 221	10 852	9 078	8 271	8 231	8 237	7 941	8 246
Brunei Darussalam	2	2	2	3	3	2	4	3	3
Bulgaria	374	265	210	208	221	208	214	206	195
Burkina Faso	3 989	4 137	4 434	4 749	4 973	5 098	5 213	5 289	5 441
Burundi	2 440	2 887	3 340	3 713	3 953	4 078	4 209	4 307	4 440
Cabo Verde	34	32	31	30	27	22	21	20	21
Cambodia	4 060	4 139	4 397	3 575	3 418	3 542	3 671	3 609	3 614
Cameroon	4 350	4 858	4 603	4 535	4 640	4 705	4 780	4 820	4 896
Canada	381	352	317	305	289	286	295	287	259
Central African Republic	1 048	1 153	1 190	1 198	1 210	1 223	1 244	1 248	1 278
Chad	2 416	2 586	2 898	3 157	3 361	3 412	3 499	3 471	3 590
Chile	806	784	763	733	769	776	764	552	508
China	361 516	336 123	277 413	221 690	210 306	203 367	197 492	191 454	188 740
Colombia	2 907	3 576	3 646	3 657	3 881	3 967	3 732	3 503	3 536
Comoros	70	76	74	71	72	73	75	74	75

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

COUNTRY	2000	2005	2010	2015	2017	2018	2019	2020	2021
Congo	421	459	493	524	572	598	615	604	619
Costa Rica	248	275	235	319	351	382	382	364	340
Côte d'Ivoire	2 883	3 001	3 053	3 207	3 210	3 465	3 725	3 760	3 828
Croatia	257	277	242	148	114	104	104	107	113
Cuba	984	966	921	961	945	934	917	896	890
Cyprus	23	23	21	20	14	12	14	16	17
Czechia	246	190	152	149	148	149	142	137	133
Democratic People's Republic of Korea	7 068	7 108	7 271	7 296	7 299	7 372	7 355	7 235	7 177
Democratic Republic of the Congo	13 364	15 038	15 024	15 056	15 930	16 273	16 617	16 666	17 100
Denmark	100	88	68	68	59	62	64	60	59
Djibouti	3	3	2	2	2	2	2	2	2
Dominica									
Dominican Republic	471	441	449	407	424	429	416	399	376
Ecuador	1 446	1 808	1 735	1 906	2 182	2 279	2 378	2 296	2 544
Egypt	5 418	6 317	7 110	6 501	6 354	5 518	5 464	5 159	5 117
El Salvador	443	432	497	459	481	436	435	388	391
Equatorial Guinea	112	130	161	204	225	233	243	245	254
Eritrea	587	833	941	938	964	949	954	909	942
Estonia	37	32	24	25	23	22	21	19	18
Eswatini	45	40	37	36	35	35	35	34	34
Ethiopia	21 053	25 522	28 303	31 536	32 570	33 147	33 669	33 205	34 271
Fiji	64	88	108	103	102	101	101	101	99
Finland	143	117	109	103	93	95	97	93	107
France	1 017	957	789	737	717	693	701	652	713
Gabon	122	132	142	153	156	157	158	156	155
Gambia	198	237	273	319	333	335	340	335	346
Georgia	1 030	1 023	845	825	793	697	678	632	675
Germany	958	860	636	568	538	531	520	560	534
Ghana	3 938	4 852	4 251	3 908	5 041	5 043	5 064	5 097	5 157
Greece	760	554	535	459	448	465	449	408	439
Grenada									
Guatemala	1 598	1 600	1 768	1 952	2 075	2 219	2 159	2 019	2 003
Guinea	1 934	2 036	2 239	2 404	2 490	2 541	2 597	2 589	2 663
Guinea-Bissau	270	305	339	378	389	376	380	383	391
Guyana	61	53	50	48	48	41	40	30	33
Haiti	1 498	1 564	1 748	1 902	1 947	1 969	1 992	1 938	1 947
Honduras	839	860	1 123	1 043	1 241	1 271	1 245	945	964
Hungary	254	193	172	209	226	220	216	214	206
Iceland	14	11	10	8	7	8	8	8	7
India	222 209	235 813	222 439	199 364	196 146	194 195	189 249	186 596	194 797
Indonesia	42 241	41 386	42 324	39 381	38 216	37 780	37 706	38 626	38 560
Iran (Islamic Republic of)	3 847	4 262	3 626	3 763	3 891	3 978	4 137	3 803	3 800
Iraq	1 406	1 609	1 583	1 795	1 744	1 788	1 790	1 806	1 823
Ireland	141	122	111	108	109	106	101	101	104

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

COUNTRY	2000	2005	2010	2015	2017	2018	2019	2020	2021
Israel	51	52	50	36	37	36	35	33	33
Italy	1 091	952	849	846	879	881	919	923	931
Jamaica	202	199	199	211	214	212	205	201	203
Japan	3 197	2 762	2 480	2 243	2 174	2 264	2 195	2 168	2 108
Jordan	45	48	55	72	71	78	74	69	70
Kazakhstan	2 419	2 405	2 314	1 564	1 454	1 427	1 373	1 355	1 330
Kenya	5 608	6 330	6 832	7 410	7 552	7 537	7 548	7 653	7 776
Kiribati									
Kuwait	23	30	39	48	49	49	48	45	46
Kyrgyzstan	1 017	801	717	690	553	477	429	386	381
Lao People's Democratic Republic	1 944	2 082	2 205	2 206	2 187	2 191	2 200	2 202	2 212
Latvia	141	120	74	73	63	64	67	65	59
Lebanon	57	64	57	73	74	75	76	73	71
Lesotho	263	227	201	205	211	215	215	211	210
Liberia	625	721	791	807	833	849	886	883	905
Libya	292	305	296	338	328	319	315	313	315
Lithuania	273	205	110	122	106	99	88	75	69
Luxembourg	5	3	3	3	4	3	2	2	4
Madagascar	5 422	7 035	7 264	8 955	9 527	9 834	10 095	10 106	10 410
Malawi	3 258	3 599	3 864	4 349	4 574	4 671	4 785	4 768	4 918
Malaysia	1 725	1 536	1 577	1 766	1 613	1 590	1 572	1 529	1 498
Maldives	13	19	16	16	19	21	23	25	24
Mali	2 600	2 749	3 533	3 680	3 912	4 034	4 348	4 612	4 761
Malta	3	3	2	3	2	2	2	2	2
Marshall Islands									
Mauritania	285	297	308	323	332	335	337	335	337
Mauritius	53	49	45	42	39	35	32	29	29
Mexico	6 530	6 167	6 326	6 777	6 854	6 735	6 720	6 327	6 757
Micronesia (Federated States of)									
Mongolia	431	421	369	345	350	331	355	310	304
Montenegro	18	15	12	17	19	20	18	17	17
Morocco	3 747	4 322	4 174	3 944	3 760	3 742	3 727	3 614	3 660
Mozambique	6 736	7 360	7 776	8 125	8 638	8 898	9 167	9 308	9 548
Myanmar	13 343	12 677	12 085	12 621	12 086	11 798	11 793	10 576	10 085
Namibia	140	154	187	171	152	165	164	164	165
Nauru									
Nepal	8 622	9 419	9 541	9 437	9 759	9 946	10 142	9 601	10 047
Netherlands	263	295	260	196	197	186	187	186	210
New Zealand	159	151	151	147	161	152	152	156	160
Nicaragua	565	587	677	819	834	815	813	808	815
Niger	3 594	4 175	5 008	5 327	5 710	5 899	6 094	6 269	6 491
Nigeria	19 663	20 336	21 308	19 765	19 557	19 876	20 193	20 101	20 478
North Macedonia	138	106	117	126	121	120	111	87	84
Norway	100	77	64	53	55	57	56	58	67

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

COUNTRY	2000	2005	2010	2015	2017	2018	2019	2020	2021
Oman	48	75	72	118	117	114	114	108	110
Pakistan	18 664	20 755	24 577	26 288	26 366	25 140	26 480	26 353	26 494
Palau									
Panama	208	221	267	256	260	266	280	225	273
Papua New Guinea	911	767	550	504	502	508	507	474	469
Paraguay	667	805	694	594	652	664	632	699	680
Peru	4 057	4 605	4 183	4 341	4 498	4 620	4 644	5 061	4 922
Philippines	10 513	11 314	12 103	12 015	10 568	10 303	9 984	10 134	10 381
Poland	2 753	2 511	2 121	1 941	1 773	1 678	1 599	1 672	1 482
Portugal	641	612	551	344	305	295	270	258	246
Qatar	9	16	21	24	26	26	26	26	26
Republic of Korea	2 436	1 877	1 605	1 397	1 335	1 356	1 406	1 453	1 460
Republic of Moldova	897	623	362	497	491	479	537	502	473
Romania	4 884	2 918	2 730	2 189	1 977	1 936	1 840	1 743	1 489
Russian Federation	9 488	6 990	5 469	4 782	4 209	4 209	4 138	4 177	4 023
Rwanda	3 334	3 659	3 874	3 661	3 573	3 463	3 306	3 521	3 574
Saint Kitts and Nevis									
Saint Lucia	12	9	9	9	9	10	9	6	9
Saint Vincent and the Grenadines	6	6	5	5	5	5	5	5	5
Samoa	18	16	14	13	12	12	12	12	12
San Marino									
Sao Tome and Principe	12	11	11	11	11	11	11	10	11
Saudi Arabia	427	499	594	711	499	405	497	469	404
Senegal	1 268	1 184	1 178	1 093	1 076	881	943	927	920
Serbia	1 018	738	630	614	598	562	566	529	491
Seychelles									
Sierra Leone	1 107	1 368	1 387	1 286	1 168	1 125	1 111	1 104	1 106
Singapore	19	23	25	19	15	14	14	11	11
Slovakia	145	106	75	77	69	59	72	66	64
Slovenia	86	87	85	65	54	54	42	40	40
Solomon Islands	98	111	117	125	127	129	132	134	136
Somalia	498	563	625	628	630	623	615	620	629
South Africa	2 432	2 354	2 350	2 475	2 741	2 593	2 698	3 241	3 207
South Sudan	1 464	1 738	2 169	2 475	2 563	2 588	2 604	2 518	2 582
Spain	1 059	1 038	802	751	833	822	801	764	797
Sri Lanka	2 664	2 409	2 374	2 310	2 157	2 030	2 009	1 951	1 948
Sudan	3 419	3 647	3 826	3 972	4 046	4 135	4 211	4 163	4 253
Suriname	9	13	13	15	17	16	17	17	17
Sweden	124	101	95	97	90	86	84	85	98
Switzerland	188	154	147	158	146	143	124	122	103
Syrian Arab Republic	1 465	1 039	770	686	647	629	619	597	608
Tajikistan	814	894	949	1 004	1 000	981	970	969	968
Thailand	17 550	14 475	14 776	12 543	12 072	12 470	12 123	12 119	12 162
Timor-Leste	177	192	199	219	219	223	221	224	224

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

COUNTRY	2000	2005	2010	2015	2017	2018	2019	2020	2021
Togo	892	983	836	879	849	847	846	853	862
Tonga	11	10	11	10	9	9	10	10	9
Trinidad and Tobago	37	26	23	22	20	20	20	19	19
Tunisia	577	553	597	502	511	505	504	490	481
Türkiye	7 379	5 166	5 389	5 484	5 552	5 417	5 225	4 824	4 837
Turkmenistan	495	529	532	470	447	438	426	418	412
Tuvalu									
Uganda	5 591	7 192	7 953	9 252	9 662	9 963	10 265	10 182	10 596
Ukraine	4 580	4 277	3 321	2 971	2 947	2 910	2 888	2 770	2 692
United Arab Emirates	147	168	216	152	114	93	145	110	107
United Kingdom of Great Britain and Northern Ireland	428	404	366	367	385	358	354	349	345
United Republic of Tanzania	12 881	13 478	14 380	15 794	16 575	16 983	17 380	17 694	18 171
United States of America	3 173	2 438	2 467	2 699	2 763	2 706	2 698	2 641	2 598
Uruguay	146	138	180	143	141	134	136	126	129
Uzbekistan	3 452	3 500	3 197	3 402	3 315	3 260	3 190	3 123	3 103
Vanuatu	48	56	63	64	63	62	62	62	63
Venezuela (Bolivarian Republic of)	932	1 067	1 010	801	968	1 088	1 207	1 269	1 307
Viet Nam	25 215	23 750	24 649	23 792	21 824	20 695	19 155	17 790	15 956
Yemen	1 765	1 188	1 082	1 499	1 638	1 682	1 716	1 675	1 678
Zambia	2 664	2 980	3 133	3 460	3 551	3 728	3 688	3 891	4 001
Zimbabwe	3 512	4 068	3 892	4 246	4 248	4 238	4 249	4 243	4 332

Source: FAO. 2022. FAOSTAT: Employment Indicators: Agriculture. In: FAO. Rome. Cited October 2022.
<http://www.fao.org/faostat/en/#data/OEA>

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

COUNTRY	2000	2005	2010	2015	2017	2018	2019	2020	2021
World	40.0	36.9	32.9	28.7	27.7	27.1	26.5	26.9	26.6
Africa	58.2	56.8	53.1	49.9	49.4	48.7	48.3	48.8	48.4
Americas	12.1	11.7	10.5	9.6	9.6	9.6	9.4	9.8	9.6
Asia	48.7	44.2	38.8	32.7	31.1	30.3	29.4	29.6	29.2
Europe	11.1	8.6	6.9	6.1	5.7	5.5	5.4	5.3	5.1
Oceania	12.4	10.2	8.4	7.2	7.1	7.0	6.8	6.9	6.5
Afghanistan	65.5	61.8	53.8	44.7	44.0	44.4	44.5	46.0	46.9
Albania	50.7	47.3	42.1	41.3	38.1	37.3	36.4	35.5	34.6
Algeria	22.2	19.4	12.0	9.6	10.2	10.0	9.9	10.5	10.3
Andorra									
Angola	38.2	38.1	48.4	58.0	58.8	59.3	59.3	59.2	58.7
Antigua and Barbuda									
Argentina	12.5	11.3	9.5	8.3	7.9	7.8	7.7	7.7	7.7
Armenia	47.5	40.9	38.6	35.3	31.3	30.6	29.9	30.8	30.3
Australia	4.9	3.6	3.2	2.6	2.6	2.6	2.6	2.8	2.4
Austria	6.0	5.3	5.2	4.5	3.9	3.7	3.7	3.9	3.7
Azerbaijan	41.0	39.3	38.2	36.4	35.9	35.5	34.7	34.8	34.2
Bahamas	4.1	3.5	3.3	3.6	3.4	3.4	3.3	3.3	3.2
Bahrain	1.7	1.3	1.1	1.1	1.0	1.0	1.0	1.0	1.0
Bangladesh	60.8	48.1	47.3	43.5	40.6	39.4	38.3	37.9	37.1
Barbados	3.7	2.4	2.9	2.9	3.1	3.1	2.8	2.8	2.8
Belarus	19.3	15.8	12.5	9.7	9.1	8.7	8.4	8.3	8.1
Belgium	1.9	2.0	1.4	1.2	1.2	1.0	0.9	0.9	0.9
Belize	26.1	19.5	18.1	18.1	17.4	17.4	16.8	21.4	21.2
Benin	51.8	49.0	45.1	36.0	32.5	30.6	29.4	28.9	28.1
Bhutan	70.0	65.3	54.7	58.0	56.8	56.5	56.2	56.5	56.0
Bolivia (Plurinational State of)	38.9	38.6	31.7	29.7	30.5	31.1	28.4	30.0	29.2
Bosnia and Herzegovina	19.6	20.2	19.7	17.9	18.9	15.7	18.0	12.0	11.3
Botswana	20.0	26.5	26.1	22.2	20.6	19.8	19.0	23.4	23.1
Brazil	16.3	16.5	12.4	10.0	9.3	9.2	9.0	9.5	9.7
Brunei Darussalam	1.4	1.4	1.3	1.3	1.4	1.1	1.9	1.3	1.3
Bulgaria	13.2	8.9	6.8	6.9	7.0	6.6	6.6	6.6	6.3
Burkina Faso	85.3	81.5	79.2	76.8	75.6	75.1	74.4	73.8	73.3
Burundi	91.9	90.8	88.4	86.3	86.3	86.2	86.1	86.1	85.8
Cabo Verde	26.3	21.4	17.7	15.7	13.6	11.8	10.6	11.3	11.0
Cambodia	73.5	62.1	54.8	42.5	38.2	39.0	39.9	39.4	38.9
Cameroon	66.6	62.0	55.0	46.7	45.1	44.4	43.8	43.3	42.6
Canada	2.5	2.1	1.8	1.6	1.5	1.5	1.5	1.6	1.3
Central African Republic	75.2	74.8	71.7	71.6	70.2	69.5	69.1	68.9	68.5
Chad	82.6	76.2	74.5	70.5	71.2	70.4	69.7	69.5	68.9
Chile	14.4	12.7	10.7	9.2	9.3	9.3	9.1	7.3	6.6
China	49.2	44.1	36.1	28.1	26.5	25.6	24.9	24.4	24.0
Colombia	20.2	20.7	18.4	16.0	16.5	16.7	15.8	16.6	15.9
Comoros	57.6	54.2	45.3	37.5	36.2	35.7	35.6	35.6	35.0

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

COUNTRY	2000	2005	2010	2015	2017	2018	2019	2020	2021
Congo	42.7	40.0	36.4	34.5	35.7	36.3	36.3	36.8	36.3
Costa Rica	16.2	15.2	12.4	15.3	16.9	17.8	17.4	18.6	17.1
Côte d'Ivoire	50.7	50.1	47.6	43.5	41.9	44.0	45.9	45.6	45.0
Croatia	16.5	17.3	14.3	9.2	7.0	6.2	6.2	6.5	6.8
Cuba	22.7	20.3	18.6	18.6	18.1	17.8	17.5	18.0	17.7
Cyprus	5.4	4.7	3.8	4.0	2.5	2.2	2.4	2.7	2.8
Czechia	5.2	4.0	3.1	2.9	2.8	2.8	2.7	2.6	2.5
Democratic People's Republic of Korea	52.0	49.5	47.8	45.8	45.1	45.1	44.6	44.2	43.5
Democratic Republic of the Congo	74.1	71.9	66.2	58.3	57.8	57.0	56.3	55.9	55.3
Denmark	3.7	3.2	2.5	2.5	2.1	2.2	2.2	2.1	2.0
Djibouti	2.4	2.2	1.8	1.5	1.3	1.2	1.2	1.2	1.2
Dominica									
Dominican Republic	15.6	13.7	12.4	9.7	9.6	9.3	8.8	9.0	8.3
Ecuador	27.9	30.3	27.9	26.2	27.7	28.8	29.7	31.8	32.2
Egypt	29.6	30.9	28.3	25.8	25.0	21.7	21.1	20.4	19.8
El Salvador	21.6	20.0	20.8	18.1	18.6	16.7	16.3	15.7	15.2
Equatorial Guinea	59.9	55.6	54.1	54.7	55.7	55.4	55.7	56.1	55.5
Eritrea	62.1	63.9	65.3	64.5	64.7	62.9	62.2	62.9	62.4
Estonia	6.4	5.2	4.2	3.9	3.5	3.3	3.2	3.0	2.7
Eswatini	20.0	17.6	15.3	13.5	12.9	12.7	12.4	12.7	12.4
Ethiopia	76.7	78.1	73.6	68.3	66.0	65.0	63.9	64.1	63.7
Fiji	21.5	28.2	29.8	30.4	30.0	29.5	29.4	29.4	28.9
Finland	6.2	4.8	4.4	4.2	3.8	3.7	3.8	3.7	4.1
France	4.1	3.6	2.9	2.7	2.6	2.5	2.5	2.4	2.5
Gabon	40.8	38.4	35.9	32.1	31.0	30.6	30.0	29.6	29.0
Gambia	53.9	54.0	52.1	51.8	50.9	49.6	48.7	49.0	48.5
Georgia	52.2	54.3	48.1	44.0	43.1	38.9	38.1	41.1	40.4
Germany	2.6	2.4	1.6	1.4	1.3	1.2	1.2	1.3	1.3
Ghana	53.1	54.7	42.0	35.2	42.0	41.0	40.2	40.0	39.5
Greece	17.4	12.2	12.4	12.9	12.1	12.3	11.6	10.6	11.4
Grenada									
Guatemala	39.8	34.7	33.5	31.9	31.8	32.9	31.1	30.8	29.2
Guinea	71.3	68.4	66.7	62.9	61.1	60.3	59.6	59.8	59.2
Guinea-Bissau	60.9	60.3	58.3	56.5	55.2	51.9	51.0	50.9	50.3
Guyana	25.2	22.6	20.2	18.8	18.5	15.9	15.3	12.2	13.1
Haiti	51.5	50.3	49.7	47.7	47.0	46.7	46.4	46.2	45.6
Honduras	36.1	33.1	36.5	28.7	32.0	31.0	31.1	25.2	24.8
Hungary	6.5	4.9	4.5	4.9	5.0	4.8	4.7	4.8	4.4
Iceland	8.7	6.5	5.6	4.2	3.8	4.0	4.0	4.0	4.0
India	59.6	56.0	51.5	45.2	43.9	43.3	41.4	44.3	44.0
Indonesia	45.3	44.0	39.1	33.0	30.8	29.7	28.7	29.6	29.0
Iran (Islamic Republic of)	22.7	20.9	18.0	17.1	16.6	16.7	17.0	16.7	16.3
Iraq	27.3	27.0	24.2	21.6	20.8	20.6	20.1	20.3	19.8
Ireland	7.9	5.9	5.8	5.3	5.0	4.8	4.4	4.5	4.5

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

COUNTRY	2000	2005	2010	2015	2017	2018	2019	2020	2021
Israel	2.2	2.0	1.6	1.0	1.0	1.0	0.9	0.9	0.9
Italy	5.2	4.2	3.8	3.8	3.8	3.8	3.9	4.0	4.1
Jamaica	20.9	18.1	17.7	17.7	16.8	16.3	15.2	15.9	15.5
Japan	4.9	4.3	3.9	3.5	3.3	3.4	3.3	3.2	3.2
Jordan	4.2	4.0	3.6	3.5	3.4	3.7	3.4	3.3	3.2
Kazakhstan	36.2	32.4	28.3	18.0	16.9	16.3	15.6	15.5	15.0
Kenya	45.6	43.5	40.1	36.6	35.2	34.3	33.6	33.6	33.0
Kiribati									
Kuwait	2.4	2.6	2.4	2.2	2.1	2.1	2.0	2.0	2.0
Kyrgyzstan	53.1	38.5	32.1	29.3	23.6	20.4	18.1	17.2	16.6
Lao People's Democratic Republic	81.9	77.5	71.5	64.0	61.0	60.1	59.2	58.8	58.1
Latvia	14.9	12.1	8.6	7.9	6.9	7.0	7.3	7.2	6.8
Lebanon	5.3	4.9	3.9	3.9	3.8	3.8	3.8	3.9	3.8
Lesotho	46.2	37.8	31.7	30.2	30.2	30.3	29.8	30.5	30.0
Liberia	50.7	51.9	47.3	41.3	40.6	40.2	40.7	41.2	40.6
Libya	21.6	19.5	17.3	19.3	18.2	17.4	16.9	16.8	16.3
Lithuania	19.2	14.3	8.8	9.1	7.8	7.2	6.4	5.7	5.3
Luxembourg	2.4	1.7	1.1	1.1	1.4	1.0	0.7	0.8	1.1
Madagascar	76.5	82.0	73.3	74.6	74.5	74.5	74.2	74.3	73.9
Malawi	74.3	72.8	67.8	64.7	63.7	62.9	62.4	62.4	61.9
Malaysia	18.4	14.6	13.3	12.5	11.0	10.6	10.2	10.0	9.6
Maldives	14.4	17.5	12.6	8.3	8.7	9.2	10.0	11.0	10.5
Mali	67.0	63.7	69.0	62.3	63.1	63.0	65.7	68.1	67.7
Malta	2.0	2.1	1.3	1.5	1.0	1.0	1.0	1.1	0.9
Marshall Islands									
Mauritania	42.2	39.0	36.0	33.0	32.0	31.4	30.6	30.1	29.5
Mauritius	11.4	10.0	8.6	7.5	6.9	6.2	5.6	5.3	5.1
Mexico	17.4	14.9	13.9	13.4	13.1	12.6	12.3	12.5	12.3
Micronesia (Federated States of)									
Mongolia	48.6	42.0	33.5	28.5	28.8	26.7	27.8	25.1	24.3
Montenegro	10.3	8.6	6.2	7.7	7.9	8.0	7.1	7.5	7.4
Morocco	44.0	45.5	40.0	36.6	35.3	34.6	33.9	35.0	34.6
Mozambique	83.0	79.5	76.5	72.1	71.8	71.5	71.3	70.8	70.3
Myanmar	61.5	56.2	52.3	51.7	51.3	48.9	49.8	46.5	45.9
Namibia	31.3	30.5	31.7	24.4	21.4	22.6	22.1	22.4	22.1
Nauru									
Nepal	72.6	72.6	67.9	65.0	63.8	63.0	62.3	62.8	62.3
Netherlands	3.3	3.7	3.1	2.3	2.3	2.1	2.1	2.1	2.3
New Zealand	8.7	7.2	6.9	6.1	6.3	5.9	5.8	6.0	6.1
Nicaragua	33.1	28.9	29.7	30.9	29.8	29.3	28.8	29.2	28.7
Niger	78.7	78.5	77.2	73.0	72.4	71.9	71.3	71.1	70.7
Nigeria	49.3	44.9	41.3	37.0	36.3	35.9	35.5	35.8	35.2
North Macedonia	24.5	19.0	18.1	17.9	16.2	15.7	13.9	11.6	10.8
Norway	4.3	3.3	2.5	2.0	2.1	2.1	2.0	2.1	2.3

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

COUNTRY	2000	2005	2010	2015	2017	2018	2019	2020	2021
Oman	6.4	7.9	5.2	5.2	4.7	4.4	4.2	4.2	4.1
Pakistan	45.1	43.1	43.4	41.0	39.8	37.4	38.3	38.3	37.5
Palau									
Panama	17.0	15.7	17.4	14.7	14.5	14.2	14.4	14.1	15.7
Papua New Guinea	36.8	32.6	25.7	21.1	20.0	19.7	19.2	17.8	17.2
Paraguay	31.9	32.0	25.6	19.7	20.2	20.1	18.7	21.3	19.7
Peru	37.4	33.8	26.8	27.0	26.2	26.1	25.6	33.7	27.9
Philippines	37.1	35.1	33.0	29.2	25.4	24.3	22.9	24.8	24.3
Poland	18.7	17.4	13.1	11.5	10.2	9.6	9.2	9.6	8.4
Portugal	12.7	12.1	11.2	7.5	6.4	6.0	5.5	5.4	5.2
Qatar	2.6	2.9	1.5	1.2	1.2	1.2	1.2	1.2	1.2
Republic of Korea	11.0	7.9	6.5	5.2	4.9	5.0	5.1	5.4	5.3
Republic of Moldova	50.9	40.6	27.5	34.2	35.5	39.3	39.4	38.2	37.6
Romania	45.2	32.3	31.0	25.6	22.8	22.3	21.2	20.5	18.6
Russian Federation	14.5	10.1	7.7	6.7	5.9	5.9	5.8	6.0	5.8
Rwanda	89.1	85.5	79.3	65.6	60.4	56.8	52.7	55.5	54.7
Saint Kitts and Nevis									
Saint Lucia	21.1	13.7	12.6	11.0	10.4	11.2	10.0	7.6	10.5
Saint Vincent and the Grenadines	16.8	14.0	12.4	11.3	10.9	10.7	10.4	10.6	10.3
Samoa	41.5	36.2	30.8	27.3	26.1	25.6	25.1	24.7	24.1
San Marino									
Sao Tome and Principe	32.4	27.9	23.1	20.1	18.9	18.5	18.2	18.4	18.0
Saudi Arabia	7.1	6.7	6.3	5.9	3.9	3.1	3.5	3.2	2.7
Senegal	49.3	41.6	38.2	31.3	28.1	22.2	23.0	22.6	21.6
Serbia	27.2	23.3	22.3	19.4	17.2	15.9	15.6	14.6	13.9
Seychelles									
Sierra Leone	69.2	68.5	65.2	57.0	49.2	46.2	44.5	43.6	42.7
Singapore	0.9	1.1	0.9	0.6	0.4	0.4	0.4	0.3	0.3
Slovakia	6.9	4.8	3.2	3.2	2.7	2.3	2.8	2.6	2.5
Slovenia	9.6	9.1	8.8	7.1	5.6	5.5	4.3	4.1	4.1
Solomon Islands	48.6	47.6	44.3	40.7	39.3	38.9	38.7	38.6	38.0
Somalia	38.4	37.1	35.8	31.0	29.3	28.1	26.9	26.8	26.3
South Africa	20.5	17.9	16.6	15.5	16.8	15.7	16.4	21.4	21.3
South Sudan	65.4	63.4	62.1	62.0	62.6	62.6	62.3	62.6	62.1
Spain	6.7	5.3	4.2	4.1	4.4	4.2	4.0	4.0	4.1
Sri Lanka	37.8	33.0	30.9	28.7	26.1	25.5	25.3	26.2	25.7
Sudan	51.7	48.6	45.9	42.8	41.3	41.0	40.7	41.2	40.6
Suriname	7.2	8.2	7.2	7.3	7.7	7.6	7.6	8.0	7.9
Sweden	2.9	2.3	2.1	2.0	1.8	1.7	1.7	1.7	2.0
Switzerland	4.8	3.9	3.5	3.4	3.1	3.0	2.6	2.6	2.2
Syrian Arab Republic	32.9	22.0	14.8	14.2	13.8	13.5	13.1	12.9	12.5
Tajikistan	60.4	55.4	52.3	47.3	45.5	44.4	43.6	43.3	42.6
Thailand	51.7	38.7	38.2	32.3	31.5	32.2	31.5	31.4	31.6
Timor-Leste	55.2	52.9	48.5	47.2	44.5	44.0	42.4	42.4	41.6

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

COUNTRY	2000	2005	2010	2015	2017	2018	2019	2020	2021
Togo	56.8	54.7	39.9	36.4	33.8	32.8	31.8	31.5	30.9
Tonga	33.7	32.1	32.8	32.1	31.2	31.1	31.3	30.9	30.2
Trinidad and Tobago	7.2	4.3	3.8	3.4	3.2	3.2	3.1	3.1	3.0
Tunisia	20.9	18.5	17.9	14.8	14.8	14.5	14.3	14.3	13.9
Türkiye	36.0	25.7	23.7	20.4	19.4	18.4	18.1	17.6	17.1
Turkmenistan	36.3	34.4	31.6	26.9	25.1	24.2	23.2	22.9	22.3
Tuvalu									
Uganda	69.5	75.3	71.3	67.8	65.1	64.3	63.5	63.5	62.9
Ukraine	22.4	20.5	16.3	15.3	15.4	15.2	15.1	15.1	14.7
United Arab Emirates	8.5	6.0	3.8	2.4	1.8	1.5	2.2	1.8	1.7
United Kingdom of Great Britain and Northern Ireland	1.5	1.4	1.2	1.1	1.2	1.1	1.0	1.0	1.0
United Republic of Tanzania	83.1	74.5	70.3	67.5	66.3	65.8	65.1	64.8	64.3
United States of America	2.3	1.7	1.7	1.8	1.8	1.7	1.7	1.7	1.7
Uruguay	11.1	10.4	11.6	8.8	8.7	8.4	8.5	8.3	8.4
Uzbekistan	37.7	32.4	26.8	26.9	25.8	25.1	24.3	24.5	23.9
Vanuatu	65.2	64.4	63.8	56.8	52.8	51.1	49.2	48.8	48.0
Venezuela (Bolivarian Republic of)	10.6	10.3	8.5	6.4	8.1	9.6	11.6	13.0	13.1
Viet Nam	65.3	54.8	48.7	44.0	40.2	37.7	35.0	32.6	29.0
Yemen	49.6	29.7	24.1	30.3	30.6	30.4	30.0	28.8	28.1
Zambia	69.0	70.8	66.1	60.5	58.8	59.8	57.4	59.1	58.7
Zimbabwe	65.3	72.8	67.2	66.5	64.6	63.3	62.4	62.2	61.6

Source: FAO. 2022. FAOSTAT: Employment Indicators: Agriculture. In: FAO. Rome. Cited October 2022.

<http://www.fao.org/faostat/en/#data/OEA>

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

COUNTRY	2000	2005	2010	2015	2017	2018	2019	2020	2021
World	38.6	38.9	38.1	37.4	37.4	37.3	37.6	37.1	37.1
Africa	46.2	46.7	46.3	46.0	46.0	46.0	46.0	45.3	45.4
Americas	21.3	23.7	22.0	21.9	22.0	22.4	22.5	22.7	23.6
Asia	37.9	37.9	36.8	35.7	35.5	35.3	35.7	35.0	35.0
Europe	41.3	40.2	39.0	37.1	35.8	35.6	35.5	35.1	34.7
Oceania	35.4	35.8	35.8	35.2	34.5	34.3	34.5	34.4	35.0
Afghanistan	20.0	21.2	21.6	27.2	31.2	30.0	28.3	20.8	18.5
Albania	51.1	52.7	52.6	48.4	47.6	48.7	49.5	48.2	48.4
Algeria	8.6	8.0	4.6	6.8	7.1	6.9	6.8	6.3	6.5
Andorra									
Angola	61.0	60.4	56.2	55.9	55.6	55.5	55.5	55.0	55.1
Antigua and Barbuda									
Argentina	19.9	18.6	18.2	19.0	19.3	19.4	19.7	20.8	19.9
Armenia	41.1	48.8	54.4	52.5	51.5	48.0	49.1	47.9	48.2
Australia	30.9	30.6	31.8	32.2	29.5	29.8	31.4	32.3	33.9
Austria	46.2	45.5	44.5	43.8	44.1	41.6	40.7	41.1	42.4
Azerbaijan	55.3	50.4	56.6	56.2	55.7	55.7	55.6	54.7	55.0
Bahamas	13.5	4.9	14.6	22.6	22.0	22.4	22.4	23.3	23.7
Bahrain	2.4	1.7	0.9	1.0	0.9	0.9	0.8	0.8	0.8
Bangladesh	29.2	33.2	35.9	38.9	44.1	44.9	45.5	44.3	44.9
Barbados	39.6	34.5	31.8	27.8	28.1	26.4	18.0	19.2	19.4
Belarus	43.2	43.7	44.0	42.2	41.3	40.4	40.3	39.9	40.1
Belgium	26.4	31.6	29.8	28.8	28.2	30.1	32.2	32.8	27.4
Belize	6.7	5.2	7.5	9.3	11.2	11.5	15.4	12.6	13.2
Benin	40.5	41.4	41.2	32.9	28.8	26.8	26.4	25.5	25.2
Bhutan	50.5	52.2	51.6	46.0	45.8	45.5	45.1	44.2	44.2
Bolivia (Plurinational State of)	40.2	44.0	44.6	41.9	43.2	44.5	44.7	40.8	43.4
Bosnia and Herzegovina	45.8	38.8	42.7	35.3	40.3	38.4	44.4	44.8	44.9
Botswana	37.9	32.9	35.1	33.9	32.4	31.4	30.4	35.6	35.0
Brazil	23.0	27.8	23.1	20.9	19.3	19.3	19.3	19.9	20.1
Brunei Darussalam	11.4	10.9	11.9	13.0	13.9	21.1	14.5	19.5	18.8
Bulgaria	37.1	35.5	35.6	29.6	30.0	29.9	30.0	29.8	29.8
Burkina Faso	47.6	44.8	45.2	46.7	46.8	46.8	46.9	46.6	46.4
Burundi	55.0	55.2	55.9	56.5	56.4	56.5	56.5	56.4	56.4
Cabo Verde	27.4	28.6	28.8	29.4	25.4	24.2	22.4	21.9	22.2
Cambodia	52.3	49.8	51.2	50.6	51.5	50.8	50.0	48.8	49.0
Cameroon	51.9	52.7	51.4	52.0	52.2	52.3	52.4	51.9	51.9
Canada	30.3	29.9	29.4	29.4	30.2	30.1	31.6	31.1	31.8
Central African Republic	50.8	50.0	50.0	48.4	48.6	48.8	48.7	48.1	48.1
Chad	45.2	45.8	44.5	42.6	41.0	40.4	40.5	39.5	39.6
Chile	11.0	14.1	19.3	21.4	24.3	23.8	22.6	22.3	22.2
China	40.7	40.4	39.4	39.0	38.9	38.8	38.8	38.4	38.5
Colombia	14.1	13.8	15.6	19.0	19.7	19.5	17.3	16.6	16.5
Comoros	43.3	43.3	38.6	33.5	33.1	32.9	32.8	31.5	31.7

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

COUNTRY	2000	2005	2010	2015	2017	2018	2019	2020	2021
Congo	51.6	51.3	51.5	50.6	49.9	50.2	50.1	49.3	49.5
Costa Rica	7.4	11.0	11.0	19.9	22.1	22.6	24.0	23.3	22.2
Côte d'Ivoire	32.3	33.5	34.6	33.0	31.3	33.2	34.9	34.3	34.2
Croatia	45.4	48.4	49.6	37.3	33.8	37.6	32.9	31.9	33.8
Cuba	15.1	17.3	17.6	16.4	16.1	16.0	15.7	15.9	16.1
Cyprus	33.4	29.7	29.6	24.1	19.6	21.7	24.0	25.7	19.0
Czechia	31.7	30.7	26.5	24.5	28.2	28.0	29.0	27.1	26.0
Democratic People's Republic of Korea	55.1	54.9	54.4	53.5	53.0	52.8	52.8	52.0	51.9
Democratic Republic of the Congo	55.8	55.9	54.4	56.4	56.4	56.8	57.0	56.1	56.2
Denmark	25.0	23.5	17.3	18.7	20.9	20.5	23.2	21.8	21.1
Djibouti	19.5	19.2	18.4	17.4	16.7	16.8	16.8	16.1	16.2
Dominica									
Dominican Republic	5.2	6.4	6.3	5.7	5.2	6.2	6.3	5.3	6.3
Ecuador	31.5	32.2	28.6	34.0	36.7	37.0	37.5	35.7	38.4
Egypt	25.2	28.5	30.5	32.7	31.9	24.1	21.1	20.1	20.1
El Salvador	7.1	10.0	10.8	9.1	8.9	8.7	8.8	9.5	9.6
Equatorial Guinea	43.3	43.0	41.7	40.5	39.9	39.7	39.5	39.1	39.3
Eritrea	50.2	51.4	50.9	49.0	48.8	48.7	48.6	47.7	48.2
Estonia	34.4	31.2	34.0	31.3	26.4	24.1	23.1	25.2	25.6
Eswatini	41.7	42.1	42.4	40.9	40.3	39.9	39.7	38.7	38.8
Ethiopia	39.5	43.0	42.2	41.1	41.0	40.9	40.7	39.7	39.9
Fiji	26.3	22.3	25.0	23.2	22.3	22.2	22.1	21.7	21.6
Finland	29.6	29.0	30.1	25.2	27.4	26.8	26.3	26.8	25.1
France	31.0	29.4	29.1	28.8	29.1	26.7	28.2	29.6	28.1
Gabon	55.4	53.8	51.6	50.9	49.7	49.3	48.8	48.2	48.1
Gambia	53.6	53.9	54.9	55.9	56.2	56.5	56.8	55.2	55.6
Georgia	49.7	49.8	48.9	50.4	49.0	50.1	49.5	48.8	48.8
Germany	35.2	33.1	33.6	32.1	32.5	31.8	32.4	31.6	35.7
Ghana	47.4	44.8	42.3	36.5	43.3	43.2	43.4	42.9	42.9
Greece	41.1	42.1	41.0	40.0	39.4	39.2	38.0	38.2	37.8
Grenada									
Guatemala	15.2	14.6	13.8	10.1	10.4	11.5	12.1	12.6	13.9
Guinea	56.7	56.8	57.0	57.0	57.0	57.0	57.0	55.7	55.7
Guinea-Bissau	50.0	49.9	49.9	49.7	49.6	50.6	50.7	49.9	49.8
Guyana	13.3	10.8	13.6	17.0	19.7	19.6	17.7	16.1	13.8
Haiti	32.8	32.2	32.6	33.1	32.5	32.3	31.9	30.6	30.5
Honduras	7.3	8.6	11.3	9.3	10.1	13.5	14.2	11.9	12.2
Hungary	23.3	24.8	23.7	24.8	25.7	25.5	27.2	26.9	27.9
Iceland	23.0	22.0	19.0	19.4	24.6	14.4	16.5	21.3	20.8
India	32.0	33.8	30.4	27.0	26.6	26.4	27.4	27.1	27.5
Indonesia	39.3	35.3	37.2	37.6	36.5	36.5	36.6	36.4	35.7
Iran (Islamic Republic of)	19.1	27.0	25.2	20.5	22.9	21.3	20.7	17.0	17.7
Iraq	11.9	14.0	14.4	14.4	10.6	10.7	10.8	10.5	10.5
Ireland	11.2	9.3	15.3	13.7	14.2	14.1	12.5	14.9	13.3

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

COUNTRY	2000	2005	2010	2015	2017	2018	2019	2020	2021
Israel	18.0	18.3	22.2	27.9	23.6	24.1	23.9	24.7	24.5
Italy	30.7	30.5	29.4	27.2	26.2	26.9	25.9	25.6	25.5
Jamaica	17.7	19.6	18.9	19.2	24.2	24.5	24.2	24.4	24.6
Japan	43.9	42.0	39.9	37.6	37.3	38.0	38.4	38.3	37.4
Jordan	6.0	5.9	5.9	5.6	5.4	4.3	5.2	5.0	5.0
Kazakhstan	46.1	46.7	46.9	45.8	44.4	44.3	44.0	44.2	44.1
Kenya	59.2	58.4	56.4	54.1	53.2	52.9	52.5	51.6	51.7
Kiribati									
Kuwait	0.5	0.5	1.0	1.7	2.1	1.9	1.9	1.9	2.0
Kyrgyzstan	45.2	40.8	40.5	44.0	39.0	37.6	43.2	40.6	41.1
Lao People's Democratic Republic	52.3	52.3	51.5	50.9	51.0	51.0	51.0	50.6	50.5
Latvia	42.6	32.3	34.9	32.0	31.0	29.1	30.2	28.7	28.8
Lebanon	10.4	9.6	9.7	9.9	10.1	10.1	10.2	9.9	9.9
Lesotho	37.1	34.6	31.4	29.5	29.0	29.0	28.9	28.7	28.9
Liberia	46.1	45.6	47.0	49.7	50.6	50.6	50.5	49.8	50.0
Libya	26.9	29.1	30.3	29.9	30.1	30.2	29.8	29.6	29.2
Lithuania	40.2	39.6	38.8	37.3	35.5	33.1	32.9	33.1	34.0
Luxembourg	23.9	26.5	29.0	32.5	23.3	20.5	28.6	30.2	23.5
Madagascar	50.0	48.5	47.0	47.9	47.9	47.9	47.9	47.1	47.3
Malawi	51.7	51.4	51.8	52.0	52.2	52.4	52.6	51.8	51.9
Malaysia	27.4	24.3	22.6	24.0	23.0	22.9	22.7	22.5	22.5
Maldives	15.3	13.7	9.0	7.7	6.5	6.4	6.4	6.4	6.6
Mali	42.4	41.5	41.9	43.4	41.4	42.5	41.8	40.8	40.5
Malta	13.0	12.2	13.9	16.0	17.3	18.4	18.6	19.0	18.4
Marshall Islands									
Mauritania	21.2	21.5	22.1	22.0	22.1	22.1	22.3	21.5	21.4
Mauritius	25.0	29.4	30.9	28.4	26.5	24.9	25.9	22.3	22.4
Mexico	12.8	11.6	10.4	10.4	10.8	10.6	11.3	11.3	12.9
Micronesia (Federated States of)									
Mongolia	44.3	44.9	44.8	43.9	42.4	41.3	43.0	42.6	42.8
Montenegro	32.3	41.8	35.0	48.2	38.5	39.8	41.0	36.1	36.4
Morocco	31.2	35.3	40.4	40.0	38.8	38.8	38.8	37.5	37.9
Mozambique	60.8	61.4	60.6	59.4	59.3	59.3	59.3	58.9	58.9
Myanmar	45.2	42.9	41.6	40.3	36.6	36.6	35.4	34.1	33.7
Namibia	42.5	39.4	45.0	46.3	44.4	46.8	46.2	45.9	46.1
Nauru									
Nepal	55.4	56.3	58.4	64.9	65.7	65.8	65.6	64.1	64.3
Netherlands	31.3	28.2	27.5	30.0	29.9	28.6	30.9	28.9	30.3
New Zealand	30.6	32.3	29.8	30.6	32.4	30.9	30.6	32.5	34.0
Nicaragua	8.0	8.8	8.8	11.3	11.4	11.0	10.6	10.2	10.2
Niger	42.7	42.2	41.9	42.1	42.0	41.9	42.0	41.6	41.5
Nigeria	39.5	38.6	37.6	33.0	32.1	32.4	32.6	31.7	31.6
North Macedonia	38.9	39.2	39.8	39.2	38.4	37.3	37.7	36.0	31.5
Norway	25.2	22.8	19.2	22.2	22.3	25.1	25.1	23.5	19.3

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

COUNTRY	2000	2005	2010	2015	2017	2018	2019	2020	2021
Oman	14.3	5.7	1.3	0.6	0.5	0.5	0.5	0.5	0.5
Pakistan	22.9	27.6	35.8	38.3	36.7	36.3	37.0	35.9	36.5
Palau									
Panama	3.7	10.1	15.7	20.9	23.5	22.3	23.6	21.7	21.6
Papua New Guinea	37.4	38.1	38.5	36.8	36.6	36.4	36.2	35.1	34.8
Paraguay	23.0	26.7	26.7	27.9	29.3	29.1	27.6	28.6	29.6
Peru	37.3	41.5	43.3	42.4	41.6	41.4	42.4	42.7	45.0
Philippines	24.9	24.9	25.4	25.7	23.0	22.8	23.4	23.7	23.9
Poland	44.1	42.6	43.4	40.2	38.7	39.1	39.2	38.3	37.3
Portugal	50.7	50.1	46.3	34.9	31.8	31.8	32.3	31.9	32.0
Qatar	0.1	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Republic of Korea	47.4	45.1	42.2	42.6	40.6	40.0	39.9	38.9	38.1
Republic of Moldova	49.5	51.7	44.1	42.6	43.1	44.8	43.5	43.0	41.9
Romania	49.8	46.4	46.0	43.4	42.8	43.2	42.7	41.7	40.5
Russian Federation	39.2	38.4	35.2	37.0	33.3	33.1	33.5	33.9	33.7
Rwanda	53.7	54.3	56.1	60.3	62.2	63.4	62.6	62.1	62.6
Saint Kitts and Nevis									
Saint Lucia	26.2	26.0	26.6	21.5	19.8	21.0	14.6	15.1	23.1
Saint Vincent and the Grenadines	20.1	20.7	19.8	19.2	19.2	19.1	19.0	18.7	18.9
Samoa	33.3	32.7	31.8	30.9	30.6	30.5	30.5	30.2	30.1
San Marino									
Sao Tome and Principe	22.6	17.3	19.3	20.1	20.4	20.5	20.6	19.7	19.8
Saudi Arabia	0.7	0.8	0.8	0.8	2.5	2.7	8.8	6.3	4.0
Senegal	31.3	33.6	34.0	34.5	32.2	28.6	30.6	29.4	29.3
Serbia	43.4	40.1	39.6	35.9	37.9	37.3	37.4	36.6	36.1
Seychelles									
Sierra Leone	52.2	52.4	50.1	48.4	49.4	49.7	49.9	49.2	49.1
Singapore	19.6	20.0	20.3	20.9	20.7	20.7	20.5	20.4	20.4
Slovakia	28.6	24.6	24.4	18.5	23.0	23.5	21.8	20.5	25.2
Slovenia	46.5	45.6	44.3	45.5	40.0	41.5	37.5	42.7	42.3
Solomon Islands	49.6	50.1	50.3	49.3	49.2	49.2	49.2	49.0	49.1
Somalia	35.3	34.0	33.0	32.8	32.7	32.6	32.4	31.4	31.4
South Africa	44.3	44.4	47.0	44.7	45.4	45.8	46.2	46.3	45.6
South Sudan	61.3	61.9	61.7	58.5	59.4	59.1	59.3	58.4	58.8
Spain	26.1	26.8	25.9	23.3	23.8	23.5	23.2	22.3	23.7
Sri Lanka	38.6	37.2	37.8	37.9	38.8	36.8	34.2	33.1	33.6
Sudan	36.6	35.8	33.0	33.6	35.2	35.6	35.7	34.3	34.5
Suriname	16.4	19.9	23.4	27.9	29.5	30.4	31.3	30.2	30.7
Sweden	23.6	21.5	21.7	24.0	26.6	23.2	19.7	21.0	24.6
Switzerland	36.4	33.0	35.2	38.7	38.5	39.1	35.7	35.7	33.6
Syrian Arab Republic	34.0	23.1	18.9	11.0	10.6	10.5	10.4	9.6	9.7
Tajikistan	47.4	48.5	46.6	52.0	53.2	53.6	53.6	53.0	53.4
Thailand	45.1	44.0	43.2	42.2	41.3	41.4	41.1	40.9	40.6
Timor-Leste	50.1	48.8	47.9	44.5	42.7	42.5	42.7	42.5	42.4

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

COUNTRY	2000	2005	2010	2015	2017	2018	2019	2020	2021
Togo	46.4	45.4	41.3	39.8	41.8	42.0	42.1	41.5	41.4
Tonga	5.1	6.2	9.5	13.8	15.5	16.5	16.6	16.0	15.9
Trinidad and Tobago	15.3	15.9	21.0	16.8	20.1	19.8	19.7	20.6	21.0
Tunisia	28.5	28.7	28.2	17.2	18.1	17.6	17.4	16.6	16.7
Türkiye	46.3	46.4	47.8	46.9	46.1	45.2	44.6	40.8	41.2
Turkmenistan	44.6	43.4	43.1	43.3	43.0	43.0	42.8	42.2	42.3
Tuvalu									
Uganda	51.2	51.8	51.2	53.0	53.2	53.3	53.5	52.3	52.6
Ukraine	46.9	47.8	47.0	43.0	42.0	41.3	40.1	39.9	39.9
United Arab Emirates	0.1	0.2	0.4	0.4	0.5	0.4	0.4	0.4	0.4
United Kingdom of Great Britain and Northern Ireland	23.1	24.4	23.2	26.5	26.2	27.1	26.4	26.8	26.3
United Republic of Tanzania	51.1	51.9	51.4	49.9	49.9	49.9	50.0	49.5	49.4
United States of America	25.4	25.6	25.4	25.1	25.2	26.4	26.6	27.6	28.1
Uruguay	20.4	20.6	19.5	22.9	20.1	20.4	21.3	22.9	23.3
Uzbekistan	40.1	39.4	38.4	38.6	38.4	38.3	38.1	37.0	37.2
Vanuatu	45.7	45.3	45.4	42.6	41.1	40.2	39.3	38.5	38.4
Venezuela (Bolivarian Republic of)	6.0	8.0	8.0	7.9	10.4	11.9	11.7	11.9	12.2
Viet Nam	49.6	50.2	50.3	49.4	49.4	48.8	49.2	49.0	47.1
Yemen	33.7	22.9	13.9	11.8	11.5	11.5	11.5	11.4	11.1
Zambia	51.6	51.3	52.2	53.2	53.6	53.2	52.3	52.3	52.2
Zimbabwe	57.1	55.4	55.2	54.8	55.0	54.9	54.9	54.4	54.4

Source: Based on FAO. 2022. FAOSTAT: Employment Indicators: Agriculture. In: FAO. Rome. Cited October 2022.

<http://www.fao.org/faostat/en/#data/OEA>

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	2017	2018	2019	2020	2021
World	14.4	14.8	15.9	16.1	16.0	15.6	15.8	15.9	14.0
Africa	11.4	10.6	11.2	11.7	11.3	10.5	10.0	9.5	6.1
Americas	15.4	16.2	18.0	18.7	17.8	16.5	17.3	16.3	14.3
Asia	11.0	11.6	13.3	14.0	14.1	13.8	14.1	14.6	12.7
Europe	27.5	28.7	29.5	28.0	29.8	30.3	29.6	30.2	30.3
Oceania	28.0	32.2	28.6	26.0	27.6	26.9	29.5	27.5	28.3
Afghanistan	12.1	9.5	9.8	5.7	6.4	6.2	6.2	7.6	7.6
Albania	13.4	13.6	13.7	13.9	14.0	13.9	13.9	13.9	14.1
Algeria	13.3	10.6	10.1	12.0	13.0	13.1	13.6	14.2	14.4
Andorra	10.9	13.5	11.9	10.4	10.0	10.2	10.5	10.6	11.5
Angola	13.2	7.4	8.5	9.6	8.0	7.8	6.9	7.8	6.0
Antigua and Barbuda	6.2	5.3	6.9	6.5	5.8	9.7	8.5	3.9	3.7
Argentina	10.6	15.3	19.5	15.3	17.4	20.8	16.8	18.1	12.3
Armenia	15.4	9.8	10.2	6.0	6.7	9.5	8.7	10.5	11.6
Australia	33.8	38.9	31.4	29.0	30.4	30.4	35.5	33.0	34.2
Austria	65.8	64.0	67.4	52.6	50.9	51.3	52.9	54.5	54.8
Azerbaijan	2.9	1.4	12.9	10.1	13.0	15.3	13.5	11.3	10.4
Bahamas	10.6	11.4	10.5	15.7	14.2	16.1	16.2	11.2	37.2
Bahrain	11.7	7.0	12.1	8.2	9.2	8.9	10.5	8.8	9.0
Bangladesh	5.8	6.4	7.1	8.7	9.3	9.5	9.9	10.4	10.0
Barbados	5.0	5.9	5.5	6.6	5.5	4.2	3.7	2.5	1.9
Belarus	13.3	37.4	94.9	45.7	41.2	42.1	46.9	42.1	37.7
Belgium	24.8	27.8	36.9	40.6	43.4	54.0	58.6	70.0	76.4
Belize	7.8	4.9	4.2	5.5	5.4	4.4	5.2	4.9	5.3
Benin	4.4	5.4	5.5	7.3	7.5	7.4	7.9	7.9	7.6
Bhutan	5.9	6.9	11.1	12.4	14.4	14.8	14.4	13.5	13.0
Bolivia (Plurinational State of)	10.5	9.2	10.6	12.8	16.0	16.0	16.4	12.3	12.6
Bosnia and Herzegovina	11.4	13.0	13.4	14.5	15.0	14.7	15.1	15.0	15.5
Botswana	4.8	4.0	5.1	8.0	8.0	8.2	8.5	8.2	8.3
Brazil	8.9	7.0	6.9	5.7	6.1	5.8	5.8	6.0	5.6
Brunei Darussalam	13.2	11.5	12.1	17.0	17.4	19.3	19.0	17.7	17.5
Bulgaria	6.8	10.8	20.3	38.0	27.5	30.5	23.4	27.4	27.8
Burkina Faso	4.1	4.4	4.8	6.6	7.2	8.3	8.5	8.1	8.6
Burundi	1.1	1.8	3.0	3.3	3.6	3.3	3.3	3.1	2.9
Cabo Verde	9.8	11.6	12.5	12.1	12.8	12.8	13.3	11.2	14.5
Cambodia	2.6	3.7	5.7	7.4	7.8	8.7	9.3	9.4	9.8
Cameroon	8.2	8.4	8.8	10.3	10.1	10.3	10.9	9.2	8.5
Canada	23.8	17.1	20.1	18.9	18.9	14.4	13.3	15.9	16.0
Central African Republic	6.2	5.6	4.2	3.4	3.7	3.5	5.6	5.4	6.1
Chad	1.9	4.4	5.1	6.4	4.1	4.4	3.4	3.1	2.8
Chile	15.8	14.1	17.9	14.7	17.6	17.2	16.3	15.8	14.7
China, mainland	9.7	11.0	13.2	14.5	13.8	13.3	13.7	14.9	14.6
Colombia	5.5	6.7	7.6	5.6	7.7	8.4	8.4	7.8	7.3
Comoros	9.2	5.7	4.8	6.8	5.8	6.3	6.4	6.4	5.8

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	2017	2018	2019	2020	2021
Congo	17.2	12.2	9.1	13.0	12.1	12.4	12.8	10.1	14.0
Costa Rica	16.3	12.0	10.5	15.3	15.1	14.3	13.4	15.1	15.2
Côte d'Ivoire	4.0	4.2	7.5	10.1	13.6	16.5	17.1	16.9	17.3
Croatia	8.9	13.8	22.5	26.5	30.0	28.7	29.9	24.9	26.0
Cuba	4.8	5.1	6.5	7.8	7.1	6.4	7.6	8.2	8.6
Cyprus	19.7	12.6	7.2	4.4	8.0	8.4	7.5	6.4	5.7
Czechia	21.1	17.7	27.9	30.1	41.1	37.9	35.8	29.5	28.0
Democratic People's Republic of Korea									
Democratic Republic of the Congo	1.9	3.1	3.0	5.8	7.6	7.9	5.8	8.2	8.2
Denmark	62.0	66.9	45.5	49.8	52.2	48.7	40.4	38.1	35.7
Djibouti	0.8	2.7	2.7	8.2	9.1	7.2	7.1	7.0	6.4
Dominica	4.4	5.0	6.2	5.3	6.2	6.0	6.5	6.4	6.7
Dominican Republic	9.3	4.4	4.7	4.0	4.2	3.9	3.8	3.6	3.4
Ecuador	6.3	4.5	4.6	4.8	4.0	4.1	4.1	4.1	4.1
Egypt	15.9	4.8	2.9	3.5	3.9	4.3	4.5	4.9	4.2
El Salvador	12.9	14.5	13.9	15.0	13.8	13.5	14.1	14.3	15.0
Equatorial Guinea	6.7	16.1	14.2	11.3	11.1	11.0	10.6	10.0	6.1
Eritrea	5.5	6.2	4.7	4.9	4.8	5.0	5.2	5.4	5.8
Estonia	34.1	70.9	40.1	41.3	51.9	81.5	52.1	54.3	57.4
Eswatini	14.4	13.4	16.7	14.5	17.1	21.1	21.2	14.6	14.2
Ethiopia	2.0	2.1	3.4	6.7	7.6	7.5	9.8	9.9	10.1
Fiji	7.2	6.9	5.8	5.4	8.7	8.1	8.1	7.1	7.0
Finland	45.8	47.3	38.5	28.4	28.8	30.3	28.0	28.4	27.4
France	40.0	36.5	33.9	32.9	31.3	32.6	33.1	32.3	31.3
Gabon	8.4	7.0	8.6	10.1	9.4	9.1	8.6	9.0	8.8
Gambia	3.8	4.5	5.1	4.9	6.5	6.8	8.0	9.1	9.2
Georgia	8.8	9.6	6.8	8.0	8.6	8.1	7.9	8.0	7.5
Germany	39.6	46.5	40.4	46.1	47.4	55.3	52.9	49.0	48.3
Ghana	13.0	11.7	11.1	10.2	14.0	13.1	12.5	13.0	11.5
Greece	17.2	21.8	29.0	21.3	23.9	27.0	25.4	27.1	29.1
Grenada	12.4	31.7	9.5	7.3	6.3	8.0	8.8	8.2	9.4
Guatemala	16.7	14.3	12.7	11.9	11.5	11.3	11.8	11.9	11.7
Guinea	9.5	8.0	11.9	11.9	13.2	13.4	13.4	13.2	11.1
Guinea-Bissau	2.3	2.2	3.0	4.0	5.1	3.2	3.0	2.9	2.9
Guyana	7.9	8.6	8.3	7.0	7.7	6.2	6.0	5.2	6.2
Haiti	11.8	9.1	7.9	8.2	7.6	7.3	7.6	7.2	6.1
Honduras	15.7	13.5	12.1	16.5	13.7	13.1	12.5	12.7	12.2
Hungary	26.3	16.1	23.1	22.0	21.4	23.6	30.1	39.2	39.9
Iceland	21.4	15.3	12.2	26.4	27.6	16.6	20.5	20.6	19.5
India	6.9	9.1	13.0	12.9	13.4	14.0	14.7	14.2	13.8
Indonesia	14.1	13.0	14.3	15.3	15.5	15.4	15.3	15.5	15.3
Iran (Islamic Republic of)	7.4	6.9	10.2	9.7	9.2	9.2	9.1	8.0	5.3
Iraq	1.9	2.5	3.4	2.6	10.5	3.4	5.4	5.4	5.1
Ireland	45.3	36.2	30.3	45.0	34.5	42.5	37.8	36.6	35.3

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	2017	2018	2019	2020	2021
Israel	23.8	19.6	21.3	20.6	18.5	17.8	20.2	20.5	21.1
Italy	31.0	33.5	26.7	21.1	27.1	29.6	29.6	27.5	29.4
Jamaica	4.4	5.4	3.8	4.1	4.0	3.9	4.1	4.4	4.2
Japan	31.7	33.1	23.2	30.2	39.6	33.3	29.0	28.9	25.9
Jordan	27.8	6.6	5.3	5.7	13.1	11.4	15.1	13.7	13.7
Kazakhstan	5.9	6.6	7.7	8.8	8.5	8.5	9.5	10.2	9.6
Kenya	3.2	2.2	4.4	6.2	7.7	7.0	7.6	7.4	7.1
Kiribati	4.4	6.2	4.7	9.1	9.9	6.7	6.7	6.8	6.7
Kuwait	20.7	14.4	8.1	4.5	20.7	19.4	16.3	17.1	20.0
Kyrgyzstan	4.6	8.1	4.6	0.5	3.9	6.6	8.1	7.7	7.9
Lao People's Democratic Republic	7.6	5.8	7.5	9.1	10.0	9.8	11.4	12.9	13.2
Latvia	13.1	74.5	39.6	39.1	57.0	73.3	62.4	79.8	77.1
Lebanon	5.1	6.1	11.1	10.8	7.9	9.3	6.6	9.4	10.7
Lesotho	4.1	5.4	7.2	9.3	9.2	10.1	10.7	10.5	10.8
Liberia	1.8	3.0	2.2	4.7	6.6	6.0	5.2	5.8	5.9
Libya	33.7	8.3	10.6	7.0	17.3	16.9	10.5	16.2	8.5
Lithuania	22.2	37.0	43.6	50.0	55.1	64.0	50.7	42.5	42.3
Luxembourg	57.6	143.9	126.0	86.1	101.9	95.4	91.6	124.4	124.0
Madagascar	3.9	3.6	4.1	5.0	5.4	5.1	5.1	5.1	5.0
Malawi	2.7	3.8	3.8	5.0	5.3	5.3	5.7	10.3	11.1
Malaysia	6.9	6.7	8.2	10.6	10.8	10.7	10.6	9.9	10.2
Maldives	1.1	2.0	3.0	6.7	6.5	7.8	7.8	7.8	8.1
Mali	3.7	4.6	5.2	5.9	5.8	5.8	6.1	6.3	6.5
Malta	11.8	15.3	33.5	21.4	16.1	17.0	26.4	28.2	38.8
Marshall Islands	6.9	7.5	16.6	8.5	13.1	11.6	8.6	8.1	7.2
Mauritania	5.1	6.3	6.8	8.7	8.2	8.5	7.8	7.3	7.1
Mauritius	13.0	34.8	16.3	15.0	12.4	12.6	13.4	9.9	10.0
Mexico	2.6	2.5	2.2	3.3	3.2	3.2	3.3	3.0	2.8
Micronesia (Federated States of)	9.9	10.0	10.8	9.2	10.9	8.8	8.7	8.9	8.5
Mongolia	28.0	21.8	19.5	31.7	30.1	26.3	23.4	23.2	21.4
Montenegro	7.3	6.8	10.3	10.5	12.4	12.9	12.9	8.0	7.3
Morocco	17.8	16.7	18.3	19.5	18.3	19.2	21.4	19.0	20.0
Mozambique	2.5	3.8	5.7	5.7	6.8	5.4	4.4	5.6	5.6
Myanmar	3.4	4.8	6.4	8.0	8.3	8.4	8.6	7.7	8.0
Namibia	14.5	9.8	29.1	36.8	30.8	30.7	27.8	17.2	16.4
Nauru	4.0	3.7	6.8	6.4	7.4	6.4	6.5	6.7	6.3
Nepal	5.0	4.9	6.1	6.8	7.1	7.1	7.2	7.7	7.5
Netherlands	38.3	35.1	39.3	40.1	36.9	39.9	40.2	38.4	38.6
New Zealand	19.6	22.1	28.9	26.8	30.1	28.9	27.9	23.0	25.2
Nicaragua	8.6	8.0	8.2	11.9	10.5	9.8	9.2	9.3	8.6
Niger	3.8	5.2	4.0	2.4	1.9	1.9	2.0	2.3	2.2
Nigeria	20.3	15.1	19.4	18.6	15.5	13.1	11.0	9.3	7.6
North Macedonia	4.7	3.4	3.9	7.1	7.0	9.1	9.7	5.4	5.4
Norway	45.0	32.8	28.3	26.6	36.1	30.4	30.7	29.0	28.7

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	2017	2018	2019	2020	2021
Oman	7.5	4.7	3.2	2.0	1.4	1.2	2.2	1.1	0.9
Pakistan	13.5	13.5	12.3	12.5	13.7	14.1	13.9	13.6	12.7
Palau	9.9	6.7	3.6	5.3	4.9	5.1	5.3	6.2	7.1
Panama	8.6	7.4	9.3	13.0	12.3	11.5	10.5	10.2	10.3
Papua New Guinea	5.2	5.5	8.8	7.2	7.8	7.2	7.2	7.5	6.9
Paraguay	11.2	11.6	11.8	9.1	9.5	9.4	9.5	9.3	9.0
Peru	6.5	6.3	8.8	9.7	10.0	11.1	11.3	10.8	10.4
Philippines	8.2	8.2	11.2	12.6	14.6	15.4	15.0	14.1	14.6
Poland	32.5	25.5	28.3	45.7	39.9	40.1	40.9	39.0	39.8
Portugal	32.8	30.3	27.4	29.5	29.4	28.9	27.8	32.9	33.3
Qatar									
Republic of Korea	31.6	20.7	16.3	15.3	15.7	16.2	13.5	16.7	14.5
Republic of Moldova	3.3	1.6	6.8	5.0	6.2	6.2	6.7	8.5	10.1
Romania	12.2	11.4	33.9	27.7	28.2	15.3	16.2	26.7	28.2
Russian Federation	7.7	13.0	15.8	16.4	19.2	19.1	15.5	17.5	16.5
Rwanda	3.1	3.8	4.6	6.1	6.6	6.3	6.7	7.4	7.2
Saint Kitts and Nevis	17.5	9.9	10.1	9.0	8.7	9.3	8.6	11.5	12.5
Saint Lucia	4.4	7.5	9.5	5.8	5.4	4.9	5.5	5.4	5.6
Saint Vincent and the Grenadines	4.6	5.3	6.5	4.8	5.4	5.5	5.6	6.0	6.4
Samoa									
San Marino									
Sao Tome and Principe	3.2	6.2	3.1	4.6	5.1	5.2	8.0	9.8	10.7
Saudi Arabia	9.0	9.9	10.5	12.2	11.4	10.9	10.8	10.7	10.7
Senegal	4.9	6.1	6.7	8.9	10.3	10.7	10.2	9.6	9.1
Serbia	20.5	10.0	12.6	14.9	14.0	13.3	14.1	15.0	15.3
Seychelles	7.1	6.1	7.5	7.8	7.3	6.8	6.7	5.0	5.0
Sierra Leone	2.7	2.9	3.3	4.7	4.5	3.9	3.9	3.9	3.3
Singapore	42.6	50.8	50.5	49.1	51.7	52.0	51.6	53.7	54.0
Slovakia	87.0	113.0	44.1	33.9	39.1	30.4	44.9	38.4	42.1
Slovenia	31.1	36.0	29.5	34.9	45.2	43.9	47.6	41.5	41.6
Solomon Islands	3.6	8.2	12.6	9.2	10.0	9.0	8.9	7.3	6.7
Somalia	5.1	4.7	5.0	5.3	5.3	5.3	5.3	5.4	5.3
South Africa	20.4	26.7	21.5	24.8	23.4	22.7	21.7	21.4	20.1
South Sudan									
Spain	14.7	17.1	14.9	15.5	21.3	20.1	21.0	21.2	21.3
Sri Lanka	9.1	10.3	12.0	13.6	15.3	15.3	14.3	15.5	15.3
Sudan									
Suriname	20.3	13.6	9.8	10.9	9.7	11.5	14.0	9.5	9.6
Sweden	38.2	44.4	51.5	37.6	38.7	43.1	41.0	37.2	33.1
Switzerland	39.9	37.9	35.5	41.6	40.8	37.5	39.7	46.5	55.6
Syrian Arab Republic	9.4	12.5	11.9	12.4	10.7	9.7	10.8	16.3	13.6
Tajikistan	11.4	13.3	6.6	9.1	9.1	8.9	10.2	11.9	12.1
Thailand	11.2	14.3	18.0	17.3	17.3	16.6	17.2	17.7	18.5
Timor-Leste	8.9	6.6	12.1	12.0	11.7	11.6	10.1	8.7	8.6

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	2017	2018	2019	2020	2021
Togo	5.2	7.3	5.0	5.5	5.1	5.1	5.1	4.1	3.7
Tonga	9.2	9.8	10.4	10.3	14.6	11.5	13.7	11.5	11.3
Trinidad and Tobago	0.2	0.4	1.2	2.3	3.0	3.7	3.3	2.6	3.3
Tunisia	14.2	20.2	19.2	13.8	14.4	13.8	15.1	14.0	12.9
Türkiye	14.8	18.0	19.1	18.3	17.5	16.4	16.9	17.1	14.6
Turkmenistan	7.4	5.7	11.0	13.8	14.9	14.5	15.1	15.2	15.1
Tuvalu	4.3	3.2	7.5	10.3	10.5	14.4	12.5	12.4	14.3
Uganda	3.6	4.4	9.7	9.0	9.5	9.9	10.4	10.3	10.0
Ukraine	16.3	15.6	13.9	11.7	11.7	11.3	11.3	13.5	13.2
United Arab Emirates	8.6	9.3	9.0	13.2	13.5	13.1	13.4	15.5	16.1
United Kingdom of Great Britain and Northern Ireland	35.0	39.1	47.3	35.6	41.8	46.7	42.4	45.8	46.9
United Republic of Tanzania	3.4	3.4	4.7	7.1	8.6	8.4	8.4	8.5	8.3
United States of America	23.9	26.5	30.1	33.3	30.4	27.7	31.3	26.8	26.1
Uruguay	6.2	7.4	18.6	15.9	14.5	12.5	15.5	15.6	14.3
Uzbekistan	5.7	4.3	5.4	7.0	6.9	6.8	8.9	8.6	8.5
Vanuatu	7.4	6.6	9.8	12.3	12.5	14.1	13.5	11.9	12.4
Venezuela (Bolivarian Republic of)	6.2	6.3	12.9	9.8	10.0	2.2	1.9	2.7	
Viet Nam	3.9	4.9	8.1	11.1	12.9	13.5	13.9	15.4	15.5
Yemen	37.2	41.0	48.0	11.2	15.7	48.4	51.9	75.5	
Zambia	9.4	14.2	16.9	15.7	10.7	11.1	8.6	7.0	6.2
Zimbabwe	7.2	177.9	7.0	12.0	12.8	10.2	13.4	11.8	12.2

Source: FAO. 2022. FAOSTAT: Capital Stock. In: *FAO*. Rome. Cited October 2022. <http://www.fao.org/faostat/en/#data/CS>

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

COUNTRY	2001	2005	2010	2015	2016	2017	2018	2019	2020
World									
Africa									
Americas									
Asia									
Europe									
Oceania									
Afghanistan		4.7	4.7	4.1	3.4	3.2			
Albania			2.1	2.5	3.4	2.3	2.6	2.1	2.5
Algeria			2.0	3.5	3.0	3.2	2.9		
Andorra									
Angola	1.2	1.7	1.1	0.8	0.7	0.5	0.4	1.0	0.6
Antigua and Barbuda				0.7	1.3	0.9	0.8	0.6	2.0
Argentina	0.9	0.6	2.5	0.7	0.6	0.6	0.4	0.4	0.5
Armenia			4.2	2.4	3.3	2.5	1.8	2.0	1.7
Australia	1.0	0.8	0.8	0.6	0.6	0.6	0.5	0.6	0.4
Austria									
Azerbaijan			3.0	2.9	3.2	2.6	3.7	3.6	3.3
Bahamas	1.2	1.2	0.9	0.9	1.2	1.1	1.2	1.1	1.0
Bahrain	0.5	0.4		0.3	0.2	0.2	0.2		
Bangladesh	4.6	5.4		7.8	5.7				
Barbados		2.2							
Belarus	11.3	14.3	11.0	7.4	7.3	5.8	5.2	6.1	
Belgium	0.2	0.1	0.0	0.0			0.0		
Belize				1.2	1.2	1.4	1.4	1.2	1.3
Benin						8.1	6.5	4.3	4.3
Bhutan	7.0	11.0	11.0	11.4	12.6	12.8	10.9	10.3	11.8
Bolivia (Plurinational State of)	9.2	9.1	5.5						
Bosnia and Herzegovina									
Botswana		3.1	3.0	4.2	5.1	2.2	3.5	4.4	3.7
Brazil			1.1	0.9	1.0	0.9	0.8	0.8	0.6
Brunei Darussalam									
Bulgaria	2.5	4.0	1.5	5.3	3.3	3.4	3.3	3.2	2.8
Burkina Faso			2.6		3.6	3.4	4.0	3.3	
Burundi			1.1	2.4	2.1	3.4	3.2	3.1	
Cabo Verde	9.1	4.9	4.7	4.4	2.5	2.4	2.9	2.3	2.0
Cambodia									
Cameroon									
Canada			1.5	1.0	1.2	1.0	1.1	1.1	
Central African Republic			1.8			6.5	5.0	6.3	8.6
Chad									
Chile	1.9	2.0	1.7	1.6	1.6	1.6	1.5	1.5	1.3
China			2.4	2.9	2.8	2.4	1.8		
Colombia				4.9	4.1	3.9	3.3	3.3	
Comoros									

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

COUNTRY	2001	2005	2010	2015	2016	2017	2018	2019	2020
Congo		1.4	2.4	1.0	1.2	1.0	1.0		
Costa Rica	2.5	3.2	10.3	1.9	1.8	1.5	1.7	1.5	1.4
Côte d'Ivoire			2.1	2.9	2.9	1.9	1.7		
Croatia	3.4	3.7	4.1	2.2	2.2	2.3	1.9	2.4	
Cuba				4.7	4.4	4.7	5.6	5.0	
Cyprus	6.1	3.8	2.5	2.2	2.6	1.9	1.5	1.9	
Czechia	3.0	3.6	4.2	3.3	4.0	4.0	1.5	1.7	
Democratic People's Republic of Korea									
Democratic Republic of the Congo			1.8	2.8	1.3	1.1	0.6	1.2	
Denmark	0.3	0.4	0.3	0.4	0.4	0.4	0.4	0.5	0.7
Djibouti									
Dominica						2.6	1.4	1.7	
Dominican Republic	6.9	4.5	2.7	1.7	2.4	2.3	2.1	2.8	2.1
Ecuador	3.9	2.1	2.3	2.0	1.4	1.1	0.8	0.5	0.8
Egypt		2.5	1.9	1.7	1.5	1.3	1.4	1.2	1.3
El Salvador	2.4	1.5	1.8	1.8	1.0	1.4	1.7	0.9	1.3
Equatorial Guinea					1.0	0.8	1.2	1.2	1.4
Eritrea									
Estonia	2.4	1.9	1.8	1.5	1.5	1.6	1.4	1.3	
Eswatini			5.4	2.1	1.9				
Ethiopia	4.0	15.9		7.2	8.6	8.8	3.6	3.5	
Fiji		3.1	2.8	5.0	4.1	4.4	4.7	5.1	4.4
Finland	5.8	5.5	4.6	3.5	3.2	3.3	3.3	3.3	
France	0.6	0.7	0.6	0.7	0.6	0.8	0.7	0.5	
Gabon									
Gambia						2.6	1.2	1.3	2.3
Georgia	1.6	1.9	0.4	2.7	2.3	1.8	1.6	2.2	2.6
Germany									
Ghana	0.9			0.6	1.1	1.9	2.1	2.5	
Greece			0.3	0.6	0.6	0.6	0.7	0.7	
Grenada				3.5	3.1	1.5	1.6	1.3	2.8
Guatemala	3.0	3.0	2.1	1.3	1.3	1.7	1.7	1.4	0.9
Guinea				4.9	3.2	4.8	4.8	2.4	
Guinea-Bissau			14.5	4.6					
Guyana		4.6	6.5	12.7	10.1	8.9	9.7	7.7	7.0
Haiti									
Honduras	5.2	4.2	2.3	1.7	2.0	1.9	1.8	2.7	1.8
Hungary	5.3	3.8	1.4	1.5	1.4	1.5	1.2	1.4	
Iceland	4.7	4.0	2.9	2.6	2.2	2.5	2.3	2.3	
India	5.0	5.0	7.5	8.9	5.3	5.1	4.8		
Indonesia	1.4	1.4	0.9	3.1	1.6	4.3	4.2	3.9	
Iran (Islamic Republic of)		4.3							
Iraq									
Ireland	3.3	1.9	0.8	1.1	1.1	1.1	1.1	1.1	

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

COUNTRY	2001	2005	2010	2015	2016	2017	2018	2019	2020
Israel	0.8	0.5	0.4	0.5	0.4	0.5	0.5	0.6	0.5
Italy	1.3	0.6	0.6	0.3	0.3	0.3	0.3	0.4	
Jamaica	1.9	1.6	2.0	2.6	2.3	1.9	1.9	1.7	1.7
Japan									
Jordan	3.5	2.0	0.8	0.8	0.7	0.7	0.8	0.7	
Kazakhstan		3.7	4.7	2.4	1.9	1.7	1.4	1.8	
Kenya	4.8	3.9	3.9	1.8	1.5	1.8	2.0	2.2	1.8
Kiribati									
Kuwait	0.5	0.6	0.5	0.4	0.5				
Kyrgyzstan	4.6		2.0	1.8	1.3	1.2	2.1	1.2	1.1
Lao People's Democratic Republic									
Latvia			5.8	1.7	1.9	2.3	2.3	2.5	
Lebanon	0.3	0.3		0.4	0.4	0.3	0.3	0.2	0.2
Lesotho	4.4	3.3			2.7	3.0	2.5	2.3	2.6
Liberia		1.3	2.3	0.9		1.1	0.9	1.0	0.8
Libya									
Lithuania		4.2	3.7	3.4	2.9	2.5	1.5	1.6	
Luxembourg	1.4	1.3	1.2	1.0	0.8	0.8	0.9	0.9	0.8
Madagascar	9.8	9.5	3.9	3.3	3.3	3.9	4.5	4.4	
Malawi	6.9	14.7	17.8	24.7	14.8	16.1	9.7	6.5	
Malaysia	2.9	3.4	3.2	3.1	2.9	2.6	2.4	1.8	1.5
Maldives	1.3	1.1	1.3	0.2	0.1	0.1	0.3		
Mali	14.1	17.7					7.1	9.2	
Malta	1.5	2.5	1.7	1.3	1.3	1.1	1.3	1.0	
Marshall Islands			2.4	2.5	2.7	1.6	4.7		
Mauritania				4.2	6.9				
Mauritius	4.6	3.7	4.0	2.3	2.2	1.9	2.1	2.3	2.3
Mexico	3.4	3.5	3.4	2.6	2.3	1.7	1.8	1.3	1.0
Micronesia (Federated States of)			2.9	1.8	5.8	5.4	4.5	6.0	
Mongolia	3.8		6.4	1.6	1.0	1.4	1.6	2.2	2.4
Montenegro			0.7	0.6					
Morocco				3.8	4.2	3.9	3.5	3.5	
Mozambique	5.3	4.6	4.6	1.9	2.1	2.5	2.0	1.3	1.2
Myanmar				6.1	5.5	4.4	6.3	6.0	
Namibia	5.3	5.1	3.3	2.0	4.5	4.0	3.3	2.1	2.2
Nauru									
Nepal		8.2	8.6	8.9	9.5	10.6	6.6	4.5	4.4
Netherlands	1.3	0.8	0.7	0.5	0.6	0.4	0.4	0.4	
New Zealand		1.4		0.5	0.8	0.8	1.0	1.2	
Nicaragua	3.1	2.4	1.6	0.8	0.9	0.7	1.7	1.7	2.1
Niger				6.0	6.3	5.7	5.6	5.4	
Nigeria		4.0	2.5	2.3	2.0	2.0	2.3	2.0	
North Macedonia									
Norway	3.0	2.0	1.8	1.5	1.5	1.5	1.8	1.5	1.1

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

COUNTRY	2001	2005	2010	2015	2016	2017	2018	2019	2020
Oman	0.8	0.7	0.8	0.4	0.4	0.4	0.6	0.6	
Pakistan	0.6	0.3	3.1	0.7	1.1	0.7	0.5	0.1	0.2
Palau			0.6	0.5	0.5	0.5	0.6		
Panama	2.7	1.7	1.7	1.9	1.7	1.7	2.3		
Papua New Guinea	2.3	0.9	2.6	1.3	1.6	1.2	1.1	1.3	
Paraguay	3.6	2.3	3.0	2.1	1.9	2.7	1.7	1.5	1.6
Peru				1.8	1.7	1.4	1.3	1.4	
Philippines	4.4	4.2	5.9	4.1	4.1	3.8	2.9	2.4	2.6
Poland	2.5	3.4	2.6	1.5	1.7	1.6	2.2	2.0	
Portugal	2.5	1.5	0.9	0.8	0.6	0.6	0.7	0.6	
Qatar		1.9							
Republic of Korea	5.7	4.5	4.5	4.1	4.0			3.4	
Republic of Moldova	1.4	6.3	4.5	7.3	4.0	4.5	3.7	3.4	4.0
Romania	2.7	4.6	3.8	2.9	2.5	2.8	2.8	2.4	
Russian Federation	1.8	1.0	0.4	1.8	1.8	1.7	1.8	1.7	1.1
Rwanda			3.9		3.0	3.0	3.8	5.1	3.7
Saint Kitts and Nevis					2.2	2.7	1.7	2.1	
Saint Lucia					3.9	2.7	2.1	2.2	2.6
Saint Vincent and the Grenadines				2.6	2.2	2.2	2.2	2.0	2.5
Samoa			2.1	3.6	2.4	7.0	3.6	3.9	7.4
San Marino									
Sao Tome and Principe			3.3	4.3	4.0	4.6	4.2	4.5	
Saudi Arabia					0.7	0.5	0.9	0.7	
Senegal						2.7	3.4	3.6	2.6
Serbia		3.2	3.0		3.1	3.2	3.2	3.5	
Seychelles			1.5	2.3	2.0	1.7	2.1	0.5	0.7
Sierra Leone				0.1	0.1	0.1	0.2	0.2	0.1
Singapore	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.1
Slovakia	3.3	6.4	6.6	1.4	1.1	1.0	1.1	1.1	
Slovenia	3.1	2.2	1.5	1.7	1.5	1.2	1.7	2.0	
Solomon Islands				3.7	3.7	3.7	3.7	3.7	3.0
Somalia						1.1	1.2	1.3	
South Africa	1.9	2.1	2.1	1.5	1.3	1.4	1.2	1.2	
South Sudan									
Spain	0.4	0.4	0.2	0.2	0.3	0.3	0.3	0.3	0.3
Sri Lanka	3.6	4.0	5.3	6.3	5.6	5.3	4.5	4.6	
Sudan							2.5		
Suriname				3.0	4.8	0.9	1.7	3.9	4.6
Sweden	0.6	0.7	0.6	0.4	0.4	0.4	0.5	0.5	
Switzerland	7.6	7.0	5.8	5.4	5.2	5.2	5.2	5.1	
Syrian Arab Republic									
Tajikistan									
Thailand	7.4	5.2	3.9	7.7	7.1	6.7	6.5	7.0	
Timor-Leste			2.1	2.2		1.1	0.5	0.9	

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

COUNTRY	2001	2005	2010	2015	2016	2017	2018	2019	2020
Togo				7.2	6.1	8.0	5.7		
Tonga									
Trinidad and Tobago	3.1	3.4	1.6	1.1	1.1	1.1	1.2	1.1	1.1
Tunisia	9.9	6.6	5.6	4.7	4.5	4.0			
Türkiye			4.1	4.2	3.8	3.9	3.4	3.5	3.5
Turkmenistan									
Tuvalu									
Uganda	4.0	3.1	4.8	3.9	4.0	5.2	3.3	3.3	
Ukraine	2.5	3.3	2.4	0.9	0.6	1.3	1.4	1.3	1.1
United Arab Emirates				0.0			0.0	0.0	0.0
United Kingdom of Great Britain and Northern Ireland	0.9	0.6	0.4	0.3	0.3	0.3	0.3	0.3	
United Republic of Tanzania		4.6	3.5	1.7	1.1	1.8	1.2	1.5	0.7
United States of America	2.5	1.9	1.0	0.9	0.9	0.9	0.9	1.2	1.4
Uruguay	1.7	2.0	1.0	0.9	0.9	0.9	0.8	0.8	0.9
Uzbekistan				12.9	9.6	8.8	7.0	5.7	
Vanuatu		2.7	1.9	3.2	2.6				
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	6.8	7.9	5.3	5.4	3.4
Zimbabwe				11.2					

Source: FAO. 2021. FAOSTAT: Government Expenditure. In: FAO. Rome. Cited October 2022. <http://www.fao.org/faostat/en/#data/IG>

TABLE 13.
PESTICIDE USE (TONNES)

COUNTRY	2000	2005	2010	2015	2016	2017	2018	2019	2020
World	2 047 088	2 280 626	2 602 517	2 716 449	2 744 824	2 748 890	2 678 475	2 653 819	2 661 124
Africa	63 894	71 313	84 762	97 759	97 304	101 074	106 671	105 766	105 758
Americas	891 624	1 070 068	1 277 938	1 333 098	1 319 937	1 342 342	1 311 743	1 359 395	1 357 984
Asia	604 148	639 165	739 666	736 050	751 019	744 008	709 030	680 960	658 529
Europe	449 646	460 676	451 633	492 230	506 653	494 851	480 599	437 328	468 432
Oceania	37 776	39 403	48 519	57 314	69 911	66 615	70 432	70 369	70 421
Afghanistan									
Albania	308	365	591	538	584	615	442	730	757
Algeria	2 537	2 811	1 870	4 517	4 153	6 067	6 067	6 067	6 067
Andorra									
Angola	40	40	40	40	40	40	40	40	40
Antigua and Barbuda	8	8	8	27	27	27	27	27	14
Argentina	84 189	138 669	235 739	203 807	199 908	196 009	172 928	204 559	241 294
Armenia	70	221	279	488	530	572	614	527	639
Australia	33 475	34 310	42 169	50 922	63 416	60 201	63 416	63 416	63 416
Austria	3 563	3 404	3 692	3 787	3 662	4 656	5 295	4 963	5 595
Azerbaijan	149	149	334	530	543	543	543	543	543
Bahamas	461	436	87	178	178	178	178	178	178
Bahrain	9	13	10	9	9	9	9	9	9
Bangladesh	3 170	8 091	13 251	13 364	14 388	15 144	15 144	15 144	15 506
Barbados	168	168	168	168	168	168	168	168	168
Belarus	4 897	4 897	4 897	3 564	3 257	3 557	3 786	4 171	4 589
Belgium	9 560	9 776	4 645	6 866	6 961	6 492	6 638	6 130	5 560
Belize	1 296	960	700	1 067	1 259	1 217	1 384	1 063	1 335
Benin									
Bhutan	3	2	7	11	26	28	38	35	35
Bolivia (Plurinational State of)	3 771	7 146	12 969	15 962	16 392	21 655	21 749	17 910	19 295
Bosnia and Herzegovina	2 151	2 291	2 339	2 355	2 489	2 517	2 545	2 514	2 723
Botswana	17	17	17	17	17	17	17	17	17
Brazil	140 423	232 232	342 580	395 646	377 176	377 176	377 176	377 176	377 176
Brunei Darussalam	2	2	38	21	21	21	21	21	21
Bulgaria	2 876	2 232	1 589	1 542	3 759	3 384	5 067	6 663	4 220
Burkina Faso	77	93	443	843	843	843	843	843	843
Burundi	110	305	265	73	50	50	50	50	50
Cabo Verde	7	5	5	5	5	5	5	5	5
Cambodia									
Cameroon	545	2 259	3 475	5 838	4 831	7 069	7 322	7 322	7 322
Canada	39 718	36 382	61 050	75 318	90 926	98 304	87 632	78 893	78 893
Central African Republic	23	23	23	23	23	23	23	23	23
Chad	42	42	42	42	42	42	42	42	42
Chile	14 265	9 831	9 831	9 831	9 831	9 831	9 831	9 831	9 831
China	250 607	284 885	339 782	345 983	338 181	323 099	294 511	273 376	273 376
Colombia	75 843	117 881	48 618	33 689	32 392	37 699	37 773	69 862	36 711

TABLE 13.
PESTICIDE USE (TONNES) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2016	2017	2018	2019	2020
Comoros	1	1	0	0	0	0	0	0	0
Congo	10	6	1	1	1	1	1	1	1
Costa Rica	14 283	11 309	14 242	11 868	11 633	11 397	10 285	11 866	14 114
Côte d'Ivoire	93	93	93	93	93	22	29	92	89
Croatia	2 723	2 184	1 605	2 301	1 854	1 570	1 677	1 558	1 644
Cuba									
Cyprus	745	678	632	1 057	1 142	1 163	1 246	1 271	1 218
Czechia	4 533	5 385	4 957	4 473	4 433	4 433	4 092	3 908	3 515
Democratic People's Republic of Korea									
Democratic Republic of the Congo									
Denmark	3 174	3 246	3 894	2 594	2 559	2 703	2 647	2 664	3 171
Djibouti									
Dominica									
Dominican Republic	5 082	3 516	6 317	5 028	5 874	6 815	7 069	7 069	7 069
Ecuador	17 948	18 391	31 637	44 565	39 240	37 808	37 408	34 081	34 081
Egypt	4 931	5 471	11 590	8 044	8 414	9 988	11 352	11 352	11 352
El Salvador	2 699	1 923	3 599	1 747	1 419	3 134	2 863	2 526	3 099
Equatorial Guinea									
Eritrea	25	28	28	28	28	28	28	28	28
Estonia	315	386	514	594	712	674	636	777	611
Eswatini									
Ethiopia	602	1 401	4 128	4 128	4 128	4 128	4 128	4 128	4 128
Fiji	341	467	690	718	814	729	1 229	1 229	1 229
Finland	3 608	4 956	3 807	4 919	4 377	4 243	4 817	3 979	4 913
France	97 878	78 265	61 903	66 897	72 065	70 604	85 072	54 381	65 216
Gabon									
Gambia	274	813	588	588	588	588	588	588	588
Georgia	3 081	3 081	3 081	1 351	1 481	1 738	2 237	2 566	2 863
Germany	35 273	36 386	40 832	48 132	46 921	48 347	44 986	45 238	48 002
Ghana	82	174	1 389	8 884	9 287	9 690	9 690	9 690	9 690
Greece	10 627	13 959	5 608	9 019	9 200	8 503	11 199	11 032	10 475
Grenada									
Guatemala	9 697	13 506	14 898	10 040	11 444	11 302	11 842	11 842	11 842
Guinea	230	352	556	282	164	206	109	111	111
Guinea-Bissau	42	82	82	82	82	82	82	82	82
Guyana	290	271	212	359	360	360	360	361	459
Haiti	28	28	28	28	28	28	28	28	28
Honduras	4 376	3 666	5 737	8 114	7 529	8 153	8 783	8 214	8 214
Hungary	4 151	9 676	10 300	9 487	9 763	9 760	8 539	7 826	8 689
Iceland	4	5	3	4	3	2	2	1	1
India	44 958	35 342	40 094	56 720	58 634	63 406	59 670	61 702	61 702
Indonesia	1 597	1 597	1 597	1 597	1 597	1 597	1 597	1 597	1 597
Iran (Islamic Republic of)	9 395	7 808	4 382	6 726	6 841	6 872	5 744	4 977	5 856

TABLE 13.
PESTICIDE USE (TONNES) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2016	2017	2018	2019	2020
Iraq	548	873	744	197	151	215	284	284	284
Ireland	1 942	2 625	2 529	3 124	2 584	2 860	2 652	2 964	2 964
Israel	3 459	5 879	6 753	6 367	6 093	6 881	7 322	6 983	6 983
Italy	79 447	84 647	71 613	63 322	60 259	56 641	54 153	48 567	56 556
Jamaica	1 379	1 373	1 034	1 051	1 409	1 561	1 761	1 500	1 850
Japan	79 821	63 830	55 576	54 171	51 006	52 248	52 332	51 970	51 970
Jordan	553	1 736	933	666	1 028	1 291	675	675	675
Kazakhstan	3 024	3 667	6 284	10 589	10 372	13 811	13 058	13 102	14 492
Kenya	1 998	1 578	1 578	1 578	1 578	1 578	1 578	1 578	1 578
Kiribati									
Kuwait	32	32	32	32	32	32	32	32	32
Kyrgyzstan	681	1 081	350	516	533	560	608	677	693
Lao People's Democratic Republic	1	4	2	189	175	145	187	187	187
Latvia	285	724	1 028	1 510	1 725	1 478	1 587	1 651	1 900
Lebanon	1 816	1 816	1 816	1 816	1 816	1 816	1 816	1 816	1 816
Lesotho	0	1	80	69	73	76	77	78	19
Liberia									
Libya	2 803	2 803	1 044	1 051	828	649	788	788	788
Lithuania	688	1 049	1 804	2 738	3 337	2 994	2 050	2 318	2 559
Luxembourg	154	154	154	121	168	144	148	135	132
Madagascar	130	115	242	401	494	643	706	746	766
Malawi	210	296	584	2 358	2 358	2 358	2 358	2 358	2 358
Malaysia	39 406	39 406	60 195	63 308	67 288	50 683	44 114	47 805	36 077
Maldives	44	44	44	103	93	88	106	124	90
Mali	52	23	8	4	4	4	4	4	4
Malta	182	118	123	116	107	98	89	102	102
Marshall Islands									
Mauritania	39	1	68	26	26	26	26	26	26
Mauritius	644	845	917	907	917	530	506	527	463
Mexico	26 625	39 172	52 305	48 293	47 421	50 802	53 144	48 989	41 681
Micronesia (Federated States of)									
Mongolia	116	116	116	116	116	116	116	116	116
Montenegro			66	76	90	91	91	91	91
Morocco	13 435	13 966	13 697	13 697	13 697	13 697	13 697	13 697	13 697
Mozambique	41	771	1 189	613	574	535	535	535	535
Myanmar	558	1 449	3 340	7 691	12 092	17 274	15 326	17 337	11 749
Namibia	56	56	56	56	56	56	56	56	56
Nauru									
Nepal	112	128	332	574	633	692	750	809	682
Netherlands	11 383	10 704	9 586	11 409	12 216	12 001	10 818	10 651	11 275
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	7 682	7 902	6 994	7 808	7 808
Niger	62	25	11	41	48	33	18	22	22

TABLE 13.
PESTICIDE USE (TONNES) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2016	2017	2018	2019	2020
Nigeria									
North Macedonia	296	149	98	98	98	98	98	98	98
Norway	348	519	699	631	676	671	614	604	688
Oman	45	151	256	333	347	275	204	305	1 703
Pakistan	27 885	11 871	11 872	11 872	11 872	11 872	11 872	11 872	11 872
Palau									
Panama	1 099	2 677	1 949	2 440	2 422	2 403	2 247	2 092	2 071
Papua New Guinea	105	105	105	105	105	105	105	105	105
Paraguay	3 507	15 263	21 113	18 908	18 567	19 662	21 122	22 581	20 164
Peru	2 257	3 578	6 226	8 893	9 483	10 037	8 618	10 636	10 631
Philippines	17 383	18 304	21 311	23 251	21 632	21 491	21 350	24 879	24 879
Poland	8 848	16 039	19 449	24 006	24 463	25 076	23 178	24 281	24 168
Portugal	15 470	16 353	13 774	8 127	8 378	6 329	8 062	9 874	9 716
Qatar	68	68	68	68	68	68	68	68	68
Republic of Korea	25 684	24 506	20 431	19 482	19 798	20 043	18 716	16 745	16 278
Republic of Moldova	2 869	2 395	2 466	2 739	2 981	3 116	3 349	3 381	3 355
Romania	9 427	7 566	7 249	6 608	6 463	6 715	5 243	5 452	5 365
Russian Federation	30 194	37 249	44 305	51 360	71 057	79 523	74 672	77 307	90 535
Rwanda	147	223	954	2 484	2 027	2 027	2 027	2 027	2 027
Saint Kitts and Nevis	11	13	15	2	2	3	3	18	18
Saint Lucia	196	196	196	196	196	196	196	196	196
Saint Vincent and the Grenadines									
Samoa	7	35	63	91	97	103	197	112	185
San Marino									
Sao Tome and Principe									
Saudi Arabia	3 024	3 876	4 700	7 107	7 954	8 801	9 648	10 496	7 256
Senegal	491	466	696	709	831	163	479	479	577
Serbia									
Seychelles	19	19	19	19	19	19	19	19	19
Sierra Leone									
Singapore									
Slovakia	1 457	1 546	1 881	1 568	1 520	1 724	1 785	1 859	1 810
Slovenia	1 468	1 384	1 134	1 047	1 157	1 087	1 172	972	949
Solomon Islands									
Somalia									
South Africa	26 857	26 857	26 857	26 857	26 857	26 857	26 857	26 857	26 857
South Sudan									
Spain	34 597	41 017	39 043	59 018	61 895	60 896	55 223	43 337	43 337
Sri Lanka	1 696	1 742	1 451	2 540	1 925	1 266	2 261	1 526	2 573
Sudan				3 058	3 254	2 380	5 487	4 083	4 083
Suriname	176	402	478	983	617	651	789	531	378
Sweden	1 721	2 132	1 982	1 836	1 630	1 525	1 459	1 478	1 653
Switzerland	1 577	1 388	2 148	2 221	2 158	2 028	2 052	1 952	1 929

TABLE 13.
PESTICIDE USE (TONNES) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2016	2017	2018	2019	2020
Syrian Arab Republic	1 306	1 422	1 422	1 422	1 422	1 422	1 422	1 422	1 422
Tajikistan	527	235	262	265	265	265	265	265	265
Thailand	20 334	43 831	68 986	26 168	30 535	34 037	34 777	28 074	19 007
Timor-Leste	0	1	2	2	2	2	2	2	2
Togo	321	203	242	1 118	1 246	1 263	1 356	1 425	1 425
Tonga	11	11	11	12	9	24	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	3 134	2 670	3 211	3 511	3 511
Türkiye	33 471	40 332	38 555	39 026	50 054	54 098	60 020	51 297	53 672
Türkmenistan	9 712	9 712	9 712	9 712	9 712	9 712	9 712	9 712	9 712
Tuvalu									
Uganda	88	88	88	88	88	88	88	88	88
Ukraine	27 344	23 022	62 535	64 987	51 772	38 558	25 343	24 325	24 622
United Arab Emirates									
United Kingdom of Great Britain and Northern Ireland	33 031	31 415	16 771	18 475	19 298	19 116	19 300	19 373	14 923
United Republic of Tanzania	1	1	1	1	1	1	1	1	1
United States of America	430 005	388 275	374 818	407 779	407 779	407 779	407 779	407 779	407 779
Uruguay	3 650	9 232	14 981	14 068	13 366	14 906	16 446	16 446	16 446
Uzbekistan									
Vanuatu	131	131	131	131	131	131	131	131	131
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	19 154	19 154	19 154	19 154	19 154	19 154	19 154	19 154
Yemen	1 289	787	134	110	110	110	110	110	110
Zambia	2 180	2 818	3 455	4 093	4 220	4 348	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. 2022. FAOSTAT: Pesticides Use. In: FAO. Rome. Cited October 2022. <http://www.fao.org/faostat/en/#data/RP>

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

COUNTRY	2000	2005	2010	2015	2016	2017	2018	2019	2020
World	1.45	1.60	1.81	1.86	1.88	1.87	1.82	1.81	1.81
Africa	0.36	0.38	0.42	0.47	0.46	0.47	0.50	0.50	0.49
Americas	2.44	2.92	3.52	3.67	3.64	3.67	3.59	3.73	3.74
Asia	1.11	1.16	1.33	1.30	1.32	1.30	1.24	1.19	1.15
Europe	1.48	1.57	1.57	1.72	1.77	1.73	1.68	1.53	1.64
Oceania	1.42	1.38	1.74	1.72	2.16	2.02	2.12	2.14	2.13
Afghanistan									
Albania	0.44	0.55	0.85	0.77	0.83	0.88	0.64	1.05	1.10
Algeria	0.31	0.34	0.22	0.53	0.49	0.72	0.71	0.71	0.71
Andorra									
Angola	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Antigua and Barbuda	1.50	1.50	1.50	5.33	5.37	5.41	5.46	5.50	2.80
Argentina	2.94	3.99	6.04	5.41	5.50	5.60	5.13	6.07	7.16
Armenia	0.14	0.44	0.55	0.97	1.05	1.14	1.22	1.04	1.27
Australia	1.41	1.28	1.62	1.62	2.09	1.94	2.03	2.05	2.05
Austria	2.42	2.35	2.58	2.68	2.59	3.34	3.80	3.56	4.03
Azerbaijan	0.07	0.07	0.16	0.24	0.24	0.23	0.23	0.23	0.23
Bahamas									
Bahrain	1.66	2.71	2.14	1.99	1.99	1.99	1.99	1.99	1.99
Bangladesh	0.36	0.93	1.53	1.51	1.62	1.69	1.68	1.64	1.67
Barbados									
Belarus	0.78	0.87	0.87	0.62	0.56	0.61	0.65	0.72	0.80
Belgium	10.83	11.31	5.43	8.06	7.98	7.56	7.59	6.96	6.26
Belize	13.09	9.41	6.55	8.89	10.49	9.98	11.35	8.71	10.94
Benin									
Bhutan	0.02	0.01	0.06	0.10	0.24	0.28	0.38	0.35	0.35
Bolivia (Plurinational State of)	1.14	1.78	2.87	3.42	3.50	4.83	4.60	3.74	4.03
Bosnia and Herzegovina	1.96	2.05	2.11	2.09	2.20	2.16	2.25	2.24	2.43
Botswana	0.05	0.08	0.07	0.06	0.06	0.06	0.06	0.06	0.06
Brazil	2.56	3.89	5.56	6.28	5.96	5.94	5.94	5.94	5.94
Brunei Darussalam	0.35	0.30	3.85	2.05	2.05	2.05	2.05	2.05	2.05
Bulgaria	0.76	0.66	0.47	0.42	1.03	0.93	1.40	1.84	1.16
Burkina Faso	0.02	0.02	0.07	0.14	0.14	0.14	0.14	0.14	0.14
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									
Cameroon	0.08	0.31	0.45	0.75	0.62	0.91	0.94	0.94	0.94
Canada	0.97	0.91	1.61	1.96	2.35	2.54	2.26	2.03	2.05
Central African Republic	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Chad	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Chile	6.76	5.22	5.69	5.55	5.69	5.64	5.85	5.94	5.80
China	1.91	2.13	2.50	2.55	2.49	2.38	2.17	2.01	2.01
Colombia									
Comoros	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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

COUNTRY	2000	2005	2010	2015	2016	2017	2018	2019	2020
Congo	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Costa Rica									
Côte d'Ivoire	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.01	0.01
Croatia	2.99	2.31	1.62	2.50	1.96	1.77	1.91	1.74	1.70
Cuba									
Cyprus	5.31	4.09	5.62	8.47	10.57	9.71	9.56	10.28	9.24
Czechia	1.37	1.96	1.92	1.76	1.75	1.74	1.62	1.54	1.39
Democratic People's Republic of Korea									
Democratic Republic of the Congo									
Denmark	1.39	1.39	1.61	1.09	1.07	1.13	1.09	1.10	1.32
Djibouti									
Dominica									
Dominican Republic	3.86	2.88	5.26	4.08	4.77	5.53	5.74	5.74	5.74
Ecuador	6.02	7.33	12.27	17.47	16.25	15.34	15.89	14.03	13.74
Egypt	1.50	1.55	3.16	2.12	2.25	2.60	2.94	2.89	2.86
El Salvador	3.08	2.30	4.13	1.99	1.61	3.56	3.25	2.87	3.52
Equatorial Guinea									
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	1.02	0.98	0.92	1.11	0.87
Eswatini									
Ethiopia	0.06	0.10	0.26	0.24	0.24	0.24	0.23	0.23	0.22
Fiji	1.72	2.75	4.72	5.03	5.74	5.16	8.75	8.79	8.87
Finland	1.65	2.21	1.69	2.19	1.95	1.89	2.14	1.77	2.19
France	5.02	4.02	3.21	3.44	3.72	3.63	4.45	2.85	3.44
Gabon									
Gambia	0.96	2.46	1.29	1.32	1.32	1.32	1.32	1.32	1.32
Georgia	2.90	5.31	5.93	2.83	3.26	3.91	5.15	5.93	6.54
Germany	2.93	3.01	3.39	3.99	3.92	4.04	3.77	3.80	4.05
Ghana	0.02	0.03	0.26	1.70	1.78	1.85	1.85	1.86	1.86
Greece	2.76	3.70	1.51	2.75	2.83	2.64	3.47	3.43	3.25
Grenada									
Guatemala	4.25	6.03	6.88	4.91	5.60	5.53	5.79	5.79	5.79
Guinea	0.07	0.10	0.15	0.07	0.04	0.05	0.03	0.03	0.03
Guinea-Bissau	0.08	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
Guyana	0.61	0.60	0.47	0.78	0.77	0.77	0.77	0.78	1.00
Haiti	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Honduras	3.07	2.53	3.82	5.20	4.83	5.13	5.50	5.15	5.15
Hungary	0.86	2.01	2.25	2.11	2.17	2.17	1.90	1.74	2.08
Iceland	0.03	0.04	0.02	0.03	0.02	0.02	0.02	0.01	0.01
India	0.26	0.21	0.24	0.33	0.35	0.38	0.35	0.37	0.37
Indonesia	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03
Iran (Islamic Republic of)	0.58	0.43	0.26	0.41	0.42	0.41	0.33	0.28	0.33
Iraq	0.13	0.16	0.18	0.04	0.03	0.04	0.05	0.05	0.05
Ireland	4.94	5.34	5.74	6.88	5.59	6.19	5.87	6.68	6.66

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

COUNTRY	2000	2005	2010	2015	2016	2017	2018	2019	2020
Israel	8.16	15.45	18.21	16.16	15.54	14.25	15.15	14.60	14.51
Italy	7.04	8.19	7.44	7.00	6.59	6.14	5.91	5.21	6.11
Jamaica	5.52	5.77	4.81	4.89	6.55	7.26	8.19	6.98	8.60
Japan	16.53	13.60	12.10	12.05	11.41	11.76	11.84	11.82	11.89
Jordan	1.99	6.41	3.58	2.12	3.17	4.87	2.41	2.29	2.35
Kazakhstan	0.10	0.13	0.22	0.36	0.35	0.46	0.44	0.44	0.49
Kenya	0.37	0.28	0.26	0.25	0.25	0.25	0.25	0.25	0.25
Kiribati									
Kuwait	2.67	2.29	2.00	2.39	2.29	2.08	2.29	2.29	2.29
Kyrgyzstan	0.48	0.80	0.26	0.38	0.39	0.41	0.45	0.50	0.51
Lao People's Democratic Republic	0.00	0.00	0.00	0.11	0.11	0.09	0.12	0.13	0.14
Latvia	0.29	0.65	0.87	1.22	1.33	1.14	1.22	1.24	1.42
Lebanon	6.73	6.42	7.57	6.85	6.70	6.64	6.69	6.73	6.73
Lesotho	0.00	0.00	0.25	0.31	0.20	0.18	0.18	0.55	0.03
Liberia									
Libya	1.30	1.34	0.51	0.51	0.40	0.32	0.38	0.38	0.38
Lithuania	0.24	0.54	0.84	1.24	1.53	1.40	0.95	1.03	1.12
Luxembourg	2.45	2.49	2.43	1.88	2.66	2.27	2.32	2.13	2.07
Madagascar	0.04	0.03	0.07	0.11	0.14	0.18	0.20	0.21	0.21
Malawi	0.07	0.09	0.15	0.62	0.62	0.62	0.62	0.62	0.62
Malaysia	5.92	5.75	8.47	7.64	8.12	6.12	5.32	5.77	4.35
Maldives	5.54	5.54	7.51	19.13	17.30	16.28	19.67	23.02	16.69
Mali	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Malta									
Marshall Islands									
Mauritania	0.08	0.00	0.15	0.06	0.06	0.06	0.06	0.06	0.06
Mauritius	6.85	9.49	10.91	11.48	11.61	6.71	6.41	6.67	5.87
Mexico	1.05	1.51	2.04	1.95	1.95	2.22	2.35	2.21	1.82
Micronesia (Federated States of)									
Mongolia	0.10	0.10	0.09	0.09	0.09	0.09	0.09	0.09	0.09
Montenegro			0.35	5.51	6.25	6.23	6.23	6.07	6.21
Morocco	1.39	1.55	1.52	1.51	1.39	1.36	1.44	1.59	1.46
Mozambique	0.01	0.15	0.20	0.10	0.10	0.09	0.09	0.09	0.09
Myanmar	0.05	0.13	0.27	0.62	0.97	1.37	1.22	1.39	0.94
Namibia	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
Nauru									
Nepal	0.05	0.05	0.14	0.25	0.27	0.30	0.32	0.35	0.29
Netherlands	10.78	9.37	9.05	10.56	11.46	11.16	10.22	10.16	10.82
New Zealand	2.34	8.72	9.27	9.70	8.69	9.47	8.97	8.52	8.79
Nicaragua	1.83	4.10	6.70	4.38	4.29	4.41	3.91	4.36	4.36
Niger	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Nigeria									
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	0.84	0.83	0.76	0.75	0.85

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

COUNTRY	2000	2005	2010	2015	2016	2017	2018	2019	2020
Oman	0.62	2.32	3.52	4.02	4.08	2.73	1.88	2.76	15.78
Pakistan	0.88	0.38	0.39	0.38	0.37	0.37	0.37	0.38	0.37
Palau									
Panama	1.58	3.78	2.57	3.42	3.44	3.46	3.29	3.10	3.11
Papua New Guinea	0.13	0.13	0.11	0.11	0.11	0.11	0.11	0.11	0.11
Paraguay	1.13	4.29	5.20	3.82	3.91	4.15	4.38	4.68	4.18
Peru	0.42	0.62	1.01	1.51	1.68	1.76	1.46	1.87	1.87
Philippines	1.79	1.86	2.01	2.11	1.96	1.94	1.92	2.23	2.23
Poland	0.62	1.28	1.73	2.13	2.18	2.22	2.04	2.13	2.14
Portugal	6.09	7.96	7.40	4.46	4.81	3.64	4.69	5.36	5.34
Qatar	4.25	4.66	3.76	3.24	3.24	3.09	2.83	2.83	2.83
Republic of Korea	13.39	13.44	11.91	11.60	12.04	12.37	11.73	10.59	10.40
Republic of Moldova	1.33	1.12	1.17	1.39	1.51	1.58	1.75	1.76	1.74
Romania	0.95	0.80	0.75	0.72	0.72	0.75	0.57	0.58	0.57
Russian Federation	0.24	0.30	0.36	0.42	0.58	0.64	0.60	0.63	0.73
Rwanda	0.13	0.17	0.69	1.77	1.45	1.45	1.45	1.45	1.45
Saint Kitts and Nevis	1.45	3.15	3.18	0.39	0.48	0.57	0.66	3.55	3.55
Saint Lucia	15.19	19.80	20.48	20.48	20.48	20.48	20.48	20.48	20.48
Saint Vincent and the Grenadines									
Samoa	0.15	0.92	1.78	1.44	1.67	1.94	4.15	2.60	4.31
San Marino									
Sao Tome and Principe									
Saudi Arabia	0.80	1.04	1.38	1.95	2.19	2.45	2.68	2.92	2.02
Senegal	0.15	0.15	0.18	0.22	0.25	0.05	0.15	0.15	0.18
Serbia									
Seychelles	4.69	4.69	7.81	12.10	12.10	12.10	12.10	12.10	12.10
Sierra Leone									
Singapore									
Slovakia	0.93	1.09	1.33	1.15	1.11	1.27	1.31	1.36	1.33
Slovenia	7.20	6.78	4.80	4.41	4.87	4.57	4.97	4.15	4.06
Solomon Islands									
Somalia									
South Africa	1.89	1.98	2.07	2.16	2.16	2.16	2.16	2.16	2.16
South Sudan									
Spain	1.89	2.30	2.27	3.43	3.63	3.59	3.29	2.59	2.60
Sri Lanka	0.89	0.84	0.67	1.10	0.83	0.55	0.95	0.64	1.08
Sudan				0.15	0.16	0.11	0.26	0.19	0.19
Suriname	2.63	7.31	7.83	13.84	8.69	9.58	11.60	7.92	5.64
Sweden	0.66	0.79	0.76	0.71	0.63	0.60	0.57	0.58	0.65
Switzerland	3.64	3.23	5.01	5.25	5.09	4.79	4.85	4.61	4.54
Syrian Arab Republic	0.24	0.26	0.25	0.25	0.25	0.25	0.25	0.25	0.25
Tajikistan	0.60	0.27	0.30	0.27	0.26	0.26	0.26	0.25	0.25
Thailand	1.07	2.33	3.41	1.21	1.40	1.55	1.58	1.27	0.86
Timor-Leste	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01

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

COUNTRY	2000	2005	2010	2015	2016	2017	2018	2019	2020
Togo	0.13	0.08	0.09	0.40	0.44	0.45	0.48	0.51	0.51
Tonga	0.43	0.43	0.40	0.39	0.29	0.77	0.71	0.71	0.71
Trinidad and Tobago									
Tunisia	0.28	0.30	0.42	0.57	0.64	0.53	0.65	0.70	0.70
Türkiye	1.27	1.52	1.58	1.63	2.11	2.32	2.59	2.22	2.32
Turkmenistan	4.86	4.62	4.86	4.86	4.86	4.86	4.86	4.86	4.86
Tuvalu									
Uganda	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Ukraine	0.82	0.69	1.87	1.93	1.54	1.15	0.75	0.72	0.73
United Arab Emirates									
United Kingdom of Great Britain and Northern Ireland	5.57	5.44	2.79	3.05	3.18	3.12	3.17	3.16	2.48
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	2.30	2.34	2.56	2.55	2.54	2.54	2.54	2.54
Uruguay	2.58	6.45	7.23	5.70	5.90	6.71	7.51	7.73	7.97
Uzbekistan									
Vanuatu	0.98	0.93	0.90	0.90	0.90	0.90	0.90	0.90	0.90
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	2.04	1.89	1.66	1.66	1.66	1.67	1.63	1.63
Yemen	0.77	0.52	0.08	0.08	0.08	0.08	0.08	0.08	0.08
Zambia	0.77	1.02	1.01	1.07	1.10	1.13	1.09	1.09	1.09
Zimbabwe	0.80	0.78	0.81	0.53	0.53	0.53	0.53	0.53	0.53

Source: FAO. 2022. FAOSTAT: Pesticides Indicators. In: FAO. Rome. Cited October 2022. <http://www.fao.org/faostat/en/#data/EP>

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	2020	2000	2020	2000	2020	2000	2020
World	80 863.4	113 291.7	32 394.4	48 121.2	21 662.5	39 157.5	134 920.4	200 570.5
Africa	2 444.4	4 377.5	918.9	1 730.8	458.9	984.3	3 822.2	7 092.6
Americas	17 413.4	25 935.8	8 140.3	15 000.6	8 229.2	14 134.7	33 783.0	55 071.1
Asia	46 602.1	65 687.6	17 663.0	25 853.5	7 811.2	18 923.8	72 076.3	110 465.0
Europe	13 213.8	15 450.2	4 092.6	4 272.8	4 814.1	4 681.3	22 120.5	24 404.3
Oceania	1 189.7	1 840.6	1 579.5	1 263.5	349.0	433.4	3 118.3	3 537.5
Afghanistan	5.0	43.1		25.0		0.1		68.2
Albania	12.1	32.6	4.9	22.9	1.7	5.3	18.7	60.8
Algeria	44.3	70.2	25.0	58.8	23.0	26.7	92.3	155.7
Andorra								
Angola	1.4	23.9		8.2		10.1		42.1
Antigua and Barbuda		0.0		0.0		0.0		0.0
Argentina	498.2	1 400.4	333.8	868.6	31.0	48.2	863.0	2 317.2
Armenia	7.0	90.1		0.0		0.2		90.3
Australia	951.0	1 337.6	1 116.3	957.5	217.0	288.0	2 284.3	2 583.1
Austria	121.6	106.5	48.5	26.5	55.2	36.7	225.4	169.7
Azerbaijan	2.1	212.4			2.0	7.7		
Bahamas	0.1	1.1	0.1	0.4	0.1	0.4	0.3	1.9
Bahrain	0.1	1.8	0.1	0.1	0.1	0.1	0.3	2.0
Bangladesh	995.9	1 361.9	250.3	747.0	74.0	458.4	1 320.2	2 567.3
Barbados	1.8	0.2	0.2	0.1	1.0	0.0	3.0	0.4
Belarus	280.0	461.9	75.0	101.1	450.0	460.0	805.0	1 022.9
Belgium		175.0		19.2		61.2		255.4
Belize	2.8	16.6	1.9	12.1	1.4	10.8	6.1	39.5
Benin	14.3	56.3	11.4	28.1	9.5	28.1	35.2	112.6
Bhutan		0.8		0.3		0.2		1.3
Bolivia (Plurinational State of)	3.2	22.6	3.6	20.6	0.7	5.7	7.5	48.9
Bosnia and Herzegovina	27.8	69.5	7.0	10.5	7.0	11.6	41.8	91.5
Botswana	4.1	10.0	0.3	1.7	0.2	1.7	4.6	13.3
Brazil	1 668.0	5 910.9	2 338.0	7 233.8	2 562.0	7 221.9	6 568.0	20 366.6
Brunei Darussalam		0.2		0.2		0.2		0.7
Bulgaria	144.9	364.3	4.0	78.9	2.6	42.9	151.5	486.2
Burkina Faso	9.9	50.5	15.1	27.7	9.0	24.9	33.9	103.1
Burundi	1.5	6.9	1.0	13.6	1.0	3.7	3.5	24.2
Cabo Verde								
Cambodia		110.2		59.9		10.9		181.0
Cameroon	21.9	42.0	7.7	17.3	16.6	23.7	46.1	83.0
Canada	1 564.3	3 083.0	570.5	1 194.0	310.5	784.0	2 445.4	5 061.0
Central African Republic	0.2	0.2	0.2	0.0	0.2	0.1	0.6	0.3
Chad								
Chile	235.0	243.9	172.0	146.6	75.0	99.9	482.0	490.4
China	22 139.2	25 884.6	8 609.7	9 918.6	3 469.0	9 992.9	34 217.9	45 796.1
Colombia	334.3	529.9	131.8	257.0	192.1	464.5	658.2	1 251.5

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	2020	2000	2020	2000	2020	2000	2020
Comoros								
Congo	2.0	3.1	1.0	0.9	2.0	1.4	5.0	5.4
Costa Rica	68.0	94.7	29.0	21.1	70.0	44.7	167.0	160.5
Côte d'Ivoire	40.0	65.6	11.1	57.9	16.0	58.1	67.1	181.6
Croatia	116.0	99.0	49.0	35.2	58.0	43.4	223.0	177.6
Cuba	78.0	40.0	24.3	7.7	28.1	26.7	130.4	74.4
Cyprus	7.8	8.1	4.9	5.0	1.7	3.5	14.4	16.7
Czechia	262.8	285.4	43.3	47.4	24.5	25.4	330.7	358.3
Democratic People's Republic of Korea	30.0	29.8	20.0	1.6	0.0	0.4	50.0	31.9
Democratic Republic of the Congo	0.3	23.7	0.3	1.8	0.2	3.1	0.8	28.6
Denmark	234.0	232.8	36.0	37.2	79.0	72.9	349.0	342.9
Djibouti								
Dominica	1.0	0.1	1.0	0.1	1.0	0.1	3.0	0.4
Dominican Republic	48.5	89.6	15.4	29.9	27.8	52.8	91.7	172.4
Ecuador	71.6	208.2	35.4	54.7	57.4	113.7	164.4	376.7
Egypt	1 073.4	1 245.3	153.8	222.8	32.5	125.0	1 259.7	1 593.1
El Salvador	48.5	40.4	13.3	8.1	16.0	9.8	77.8	58.4
Equatorial Guinea								
Eritrea	5.4	3.5	5.5	0.0		0.0		3.5
Estonia	22.4	41.5	6.4	11.1	6.2	13.2	35.0	65.8
Eswatini								
Ethiopia	76.5	420.1	81.0	164.4		1.7		586.2
Fiji	2.5	5.6	2.0	1.4	3.0	0.6	7.5	7.5
Finland	167.0	139.3	52.0	26.3	80.0	42.5	299.0	208.1
France	2 316.3	2 077.7	795.0	453.3	1 033.5	503.5	4 144.8	3 034.5
Gabon	0.1	2.7	0.1	2.0	0.1	2.3	0.3	6.9
Gambia	0.6	0.0	0.1	0.1	0.1	0.2	0.8	0.3
Georgia	40.0	44.2		7.1	2.0	3.9		55.2
Germany	1 847.5	1 265.5	351.3	192.2	544.0	446.4	2 742.8	1 904.1
Ghana	7.0	114.8	2.7	84.4	2.1	70.8	11.9	270.0
Greece	285.0	202.9	113.0	64.9	58.0	51.9	456.0	319.7
Grenada								
Guatemala	124.5	211.4	46.1	68.6	41.0	88.4	211.6	368.4
Guinea	1.0	7.1	1.4	8.0	0.8	6.2	3.2	21.3
Guinea-Bissau								
Guyana	10.7	17.5	1.2	2.7	0.6	2.0	12.6	22.1
Haiti								
Honduras	135.9	86.1	21.6	31.3	23.0	42.8	180.5	160.3
Hungary	320.0	445.0	45.0	112.0	52.0	97.2	417.0	654.1
Iceland	13.0	11.4	4.0	1.7	4.2	2.7	21.2	15.7
India	10 920.2	20 404.0	4 214.6	8 977.9	1 567.5	3 153.7	16 702.3	32 535.6
Indonesia	1 964.4	3 541.0	263.1	1 211.2	266.0	1 775.5	2 493.5	6 527.7
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	2020	2000	2020	2000	2020	2000	2020
Iraq	250.5	173.0	117.2	95.9	3.5	5.2	371.2	274.2
Ireland	368.4	379.5	96.0	143.2	135.0	171.4	599.4	694.1
Israel	49.0	45.4	15.0	7.7	30.0		94.0	
Italy	828.0	574.5	504.0	225.0	400.0	131.3	1 732.0	930.8
Jamaica	9.9	3.9	5.2	2.7	7.3	1.3	22.4	7.8
Japan	487.4	369.4	583.0	338.1	381.9	270.0	1 452.3	977.5
Jordan	9.4	15.2	4.5	0.5	6.8	1.8	20.6	17.5
Kazakhstan	30.0	74.4	4.9	88.1	2.1	2.3	37.0	164.8
Kenya	69.9	183.9	71.2	163.9	4.5	30.5	145.7	378.3
Kiribati								
Kuwait	0.6	2.5		2.6		3.9		9.0
Kyrgyzstan	27.7	25.9	1.4	2.8	0.1	0.5	29.2	29.2
Lao People's Democratic Republic								
Latvia	28.5	84.3	10.2	31.2	11.6	35.7	50.3	151.3
Lebanon	24.3	17.2	18.4	12.1	9.6	4.4	52.3	33.7
Lesotho								
Liberia								
Libya	31.7	15.1	18.0	9.2	5.3	1.2	55.0	25.5
Lithuania	98.0	185.8	20.0	54.5	35.0	74.6	153.0	314.9
Luxembourg		13.1		0.9		0.8		14.8
Madagascar	3.8	19.1	3.0	6.8	2.4	5.8	9.1	31.7
Malawi	34.6	77.3	11.4	21.4	3.8	18.6	49.8	117.3
Malaysia	348.6	386.9	199.7	172.9	640.0	1 052.6	1 188.3	1 612.4
Maldives		0.2		0.0		0.0		0.3
Mali	12.7	157.2	13.6	47.3	13.6	34.2	39.8	238.7
Malta	0.8	0.6	0.2	0.4	0.2	0.2	1.1	1.1
Marshall Islands								
Mauritania								
Mauritius	13.3	5.7	6.1	2.2	18.1	3.4	37.5	11.3
Mexico	1 342.0	1 415.8	315.0	454.2	175.0	269.7	1 832.0	2 139.7
Micronesia (Federated States of)								
Mongolia	3.4	43.1		0.7		0.7		44.5
Montenegro		1.4		0.7		0.7		2.8
Morocco	207.6	211.0	108.8	132.1	51.0	102.0	367.4	445.1
Mozambique	9.7	47.9	3.4	8.1	1.2	7.3	14.3	63.4
Myanmar	165.0	381.7	34.7	141.8	6.0	130.0	205.7	653.4
Namibia	0.1	2.7	0.2	0.1		0.2		3.0
Nauru		0.0		0.0		0.0		0.0
Nepal	51.8	132.2	18.2	73.7	3.1	9.6	73.0	215.5
Netherlands	300.0	214.4	54.0	13.6	64.0	51.2	418.0	279.2
New Zealand	230.7	470.0	456.6	301.0	125.4	138.5	812.7	909.5
Nicaragua	14.2	67.2	10.7	19.4	4.0	29.2	28.9	115.8
Niger	2.5	6.1	1.2	0.6	0.8	3.7	4.5	10.4

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	2020	2000	2020	2000	2020	2000	2020
Nigeria	105.6	436.4	44.0	136.1	37.9	113.7	187.5	686.2
North Macedonia	19.2	23.4	11.7	6.7	9.0	4.3	39.9	34.5
Norway	102.0	105.9	30.0	20.6	61.0	41.2	193.0	167.7
Oman	4.0	10.3	1.0	3.2	0.8	11.1	5.8	24.6
Pakistan	2 264.6	3 533.8	675.1	1 204.1	22.8	61.0	2 962.5	4 798.8
Palau								
Panama	15.3	17.9	5.5	10.1	10.4	15.8	31.2	43.8
Papua New Guinea	4.7	26.4	4.0	3.0	3.0	5.5	11.7	34.9
Paraguay	18.3	141.5	25.9	228.9	21.0	213.8	65.2	584.3
Peru	190.1	311.9	45.0	116.1	19.1	128.9	254.3	556.8
Philippines	488.2	750.5	124.1	206.2	122.3	212.6	734.6	1 169.2
Poland	895.5	912.0	317.9	322.0	401.7	495.0	1 615.1	1 729.0
Portugal	113.0	105.3	63.0	40.2	43.0	35.3	219.0	180.8
Qatar	0.5	1.5		0.8		2.7		5.0
Republic of Korea	411.5	205.8	161.7	142.8	210.1	141.4	783.3	490.1
Republic of Moldova	5.0	53.1	0.1	19.5		10.3		82.9
Romania	239.3	468.9	56.0	187.6	9.0	82.0	304.3	738.5
Russian Federation	960.0	1 916.4	280.0	686.5	180.0	478.2	1 420.0	3 081.1
Rwanda	0.1	10.6	0.1	15.2	0.1	4.0	0.3	29.8
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	0.2	0.6	0.2	2.1	0.6
Saint Vincent and the Grenadines								
Samoa		0.0		0.0		0.0		0.0
San Marino								
Sao Tome and Principe								
Saudi Arabia	228.0	178.2	137.2	93.0	21.0	29.4	386.2	300.6
Senegal	16.2	46.8	11.0	16.8	11.0	17.3	38.2	80.9
Serbia		244.9		99.4		73.1		417.5
Seychelles	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Sierra Leone								
Singapore								
Slovakia	82.1	127.7	19.2	27.4	16.8	19.6	118.1	174.7
Slovenia	34.8	28.0	18.4	8.4	22.3	9.9	75.6	46.3
Solomon Islands								
Somalia								
South Africa	415.9	381.0	187.0	248.9	137.4	132.0	740.3	761.9
South Sudan								
Spain	1 113.7	1 059.3	568.1	486.7	467.6	399.5	2 149.4	1 945.5
Sri Lanka	157.5	237.7	30.4	51.1	59.1	119.7	247.0	408.5
Sudan		120.5		27.0		1.7		149.1
Suriname	5.3	6.5		0.6	0.5	0.8		7.9
Sweden	196.7	215.2	39.0	38.1	46.7	43.7	282.5	296.9

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	2020	2000	2020	2000	2020	2000	2020
Switzerland	48.4	43.1	12.2	13.3	28.3	13.6	88.9	70.0
Syrian Arab Republic	236.0	24.0	121.4	4.9	8.1	2.0	365.5	31.0
Tajikistan	8.9	71.2		7.2		2.8		81.2
Thailand	924.0	1 471.6	383.8	367.8	253.1	567.8	1 560.9	2 407.1
Timor-Leste								
Togo	9.0	3.5	5.4	1.8	5.4	1.8	19.8	7.1
Tonga		0.1		0.1		0.1		0.2
Trinidad and Tobago	7.3	6.5	0.7	0.5	1.2	1.2	9.2	8.2
Tunisia	62.1	85.9	45.0	55.1	4.2	5.7	111.3	146.7
Türkiye	1 378.2	2 052.7	628.6	763.6	82.0	114.6	2 088.8	2 930.9
Turkmenistan	105.2	287.9	0.0	35.9	0.8	1.2	106.0	325.1
Tuvalu								
Uganda	3.4	7.7	1.7	4.0	1.5	5.1	6.6	16.9
Ukraine	350.0	1 716.1	62.0	432.7	28.0	339.9	440.0	2 488.7
United Arab Emirates	23.8	15.1	5.0	4.2	6.3	12.2	35.1	31.5
United Kingdom of Great Britain and Northern Ireland	1 115.0	967.0	279.0	174.0	370.0	253.0	1 764.0	1 394.0
United Republic of Tanzania	14.1	171.4	6.0	32.9	2.3	17.7	22.4	222.0
United States of America	10 703.4	11 621.3	3 882.6	3 973.5	4 485.4	4 304.6	19 071.5	19 899.4
Uruguay	36.2	204.1	56.3	141.1	11.6	65.9	104.1	411.1
Uzbekistan	607.0	721.3	116.2	225.8	8.0	76.8	731.2	1 023.9
Vanuatu								
Venezuela (Bolivarian Republic of)	175.0	142.3	53.0	95.7	54.0	86.6	282.0	324.6
Viet Nam	1 328.0	1 814.3	506.0	740.4	433.0	619.3	2 267.0	3 174.0
Yemen	14.9	9.2		1.6	0.3	1.5		12.3
Zambia	8.0	191.7	13.4	57.8	10.0	53.6	31.4	303.1
Zimbabwe	87.4	50.1	43.4	45.8	34.5	36.9	165.3	132.8

Source: FAO. 2022. FAOSTAT: Fertilizers by Nutrient. In: FAO. Rome. Cited October 2022. <http://www.fao.org/faostat/en/#data/RFN>

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	2020	2000	2020	2000	2020	2000	2020
World	54.3	72.9	21.5	30.9	14.5	25.2	90.3	129.0
Africa	11.0	16.3	4.1	6.5	2.1	3.7	17.2	26.4
Americas	47.2	70.9	22.1	41.0	22.3	38.6	91.6	150.6
Asia	83.2	111.4	31.5	43.9	13.9	32.1	128.6	187.4
Europe	42.5	52.6	13.2	14.5	15.6	15.9	71.3	83.0
Oceania	38.4	42.9	45.0	29.8	9.4	9.5	92.9	82.1
Afghanistan	0.6	5.3		3.1		0.0		8.4
Albania	17.3	47.4	7.0	33.3	2.4	7.8	26.8	88.5
Algeria	5.4	8.2	3.1	6.9	2.8	3.1	11.3	18.3
Andorra								
Angola	0.4	4.6		1.6		1.9		8.1
Antigua and Barbuda		0.3		3.5		2.8		6.6
Argentina	17.4	41.6	11.7	25.8	1.1	1.4	30.1	68.8
Armenia	14.3	178.8		0.1		0.4		179.3
Australia	40.0	43.2	47.0	30.9	9.1	9.3	96.1	83.3
Austria	82.8	76.7	33.0	19.1	37.6	26.4	153.4	122.3
Azerbaijan	1.0	90.1			1.0	3.3		
Bahamas	9.1	92.1	9.1	29.5	9.1	37.2	27.3	158.8
Bahrain	21.9	386.7	22.7	15.3	21.9	31.6	66.5	433.6
Bangladesh	113.2	146.4	28.5	80.3	8.4	49.3	150.0	276.0
Barbados	112.5	21.9	12.5	16.4	62.5	6.0	187.5	44.3
Belarus	44.8	80.2	12.0	17.6	71.9	79.9	128.7	177.6
Belgium		197.0		21.6		68.9		287.4
Belize	28.7	136.4	19.2	98.9	14.1	88.2	62.0	323.4
Benin	5.4	16.6	4.3	8.3	3.6	8.3	13.3	33.1
Bhutan		8.0		3.3		2.2		13.5
Bolivia (Plurinational State of)	1.0	4.7	1.1	4.3	0.2	1.2	2.3	10.2
Bosnia and Herzegovina	25.3	62.0	6.4	9.3	6.4	10.3	38.0	81.6
Botswana	11.7	38.2	0.9	6.4	0.6	6.4	13.1	50.9
Brazil	30.4	93.1	42.6	113.9	46.7	113.7	119.7	320.7
Brunei Darussalam		24.3		23.2		23.4		70.9
Bulgaria	38.4	100.0	1.1	21.7	0.7	11.8	40.1	133.4
Burkina Faso	2.6	8.2	4.0	4.5	2.4	4.1	9.0	16.8
Burundi	1.1	4.4	0.8	8.8	0.8	2.4	2.7	15.6
Cabo Verde								
Cambodia		25.7		14.0		2.6		42.2
Cameroon	3.1	5.4	1.1	2.2	2.3	3.1	6.4	10.7
Canada	38.0	80.3	13.9	31.1	7.6	20.4	59.5	131.8
Central African Republic	0.1	0.1	0.1	0.0	0.1	0.1	0.3	0.2
Chad								
Chile	111.4	143.9	81.5	86.5	35.6	58.9	228.4	289.3
China	169.1	190.8	65.8	73.1	26.5	73.7	261.4	337.6
Colombia	73.6	60.6	29.0	29.4	42.3	53.2	144.8	143.2

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	2020	2000	2020	2000	2020	2000	2020
Comoros								
Congo	3.7	4.9	1.9	1.4	3.7	2.3	9.3	8.6
Costa Rica	138.8	168.7	59.2	37.6	142.9	79.6	340.8	285.9
Côte d'Ivoire	6.1	8.2	1.7	7.2	2.4	7.3	10.2	22.7
Croatia	127.3	102.2	53.8	36.4	63.7	44.8	244.8	183.4
Cuba	19.2	11.2	6.0	2.2	6.9	7.5	32.2	20.9
Cyprus	55.8	61.2	34.9	38.3	12.0	26.9	102.7	126.4
Czechia	79.2	112.6	13.1	18.7	7.4	10.0	99.6	141.4
Democratic People's Republic of Korea	12.0	11.8	8.0	0.6	0.0	0.2	20.0	12.6
Democratic Republic of the Congo	0.0	1.5	0.0	0.1	0.0	0.2	0.1	1.9
Denmark	102.2	97.1	15.7	15.5	34.5	30.4	152.5	143.0
Djibouti								
Dominica	52.6	5.6	52.6	4.9	52.6	4.9	157.9	15.4
Dominican Republic	36.8	72.8	11.7	24.3	21.1	42.9	69.6	139.9
Ecuador	24.0	83.9	11.9	22.1	19.3	45.8	55.2	151.8
Egypt	326.2	313.6	46.8	56.1	9.9	31.5	382.8	401.2
El Salvador	55.2	45.9	15.2	9.2	18.2	11.2	88.7	66.3
Equatorial Guinea								
Eritrea	9.6	5.0	9.8	0.0		0.0		5.0
Estonia	26.2	59.4	7.5	15.8	7.2	18.9	41.0	94.1
Eswatini								
Ethiopia	7.2	22.7	7.6	8.9		0.1		31.7
Fiji	12.6	40.3	10.1	9.9	15.1	4.0	37.7	54.1
Finland	76.2	62.0	23.7	11.7	36.5	18.9	136.4	92.6
France	118.8	109.5	40.8	23.9	53.0	26.5	212.6	160.0
Gabon	0.2	5.4	0.2	4.0	0.2	4.6	0.6	14.0
Gambia	2.1	0.1	0.4	0.2	0.4	0.5	2.8	0.8
Georgia	37.7	100.9		16.3	1.9	9.0		126.2
Germany	153.7	106.7	29.2	16.2	45.3	37.6	228.2	160.5
Ghana	1.3	22.0	0.5	16.2	0.4	13.6	2.2	51.7
Greece	74.0	63.0	29.3	20.2	15.1	16.1	118.3	99.3
Grenada								
Guatemala	54.5	103.4	20.2	33.6	18.0	43.2	92.7	180.2
Guinea	0.3	1.9	0.4	2.1	0.2	1.6	1.0	5.6
Guinea-Bissau								
Guyana	22.5	38.0	2.6	5.8	1.3	4.3	26.3	48.2
Haiti								
Honduras	95.2	54.0	15.1	19.6	16.1	26.8	126.5	100.4
Hungary	66.6	106.7	9.4	26.9	10.8	23.3	86.8	156.9
Iceland	100.8	94.3	31.0	13.8	32.6	22.0	164.4	130.1
India	64.2	121.0	24.8	53.2	9.2	18.7	98.2	192.9
Indonesia	54.6	69.0	7.3	23.6	7.4	34.6	69.3	127.3
Iran (Islamic Republic of)	53.0	51.5	25.4	6.3	7.3	3.4	85.6	61.1

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	2020	2000	2020	2000	2020	2000	2020
Iraq	58.3	33.0	27.3	18.3	0.8	1.0	86.3	52.2
Ireland	162.9	199.0	40.6	70.8	96.0	142.5	299.5	412.3
Israel	115.6	94.3	35.4	16.0	70.8		221.7	
Italy	73.4	62.0	44.7	24.3	35.5	14.2	153.5	100.5
Jamaica	39.6	18.1	20.8	12.4	29.2	6.0	89.6	36.5
Japan	100.9	84.5	120.7	77.3	79.1	61.8	300.7	223.6
Jordan	33.8	53.1	16.0	1.6	24.3	6.2	74.2	60.9
Kazakhstan	1.0	2.5	0.2	3.0	0.1	0.1	1.2	5.6
Kenya	13.0	29.1	13.3	25.9	0.9	4.8	27.1	59.8
Kiribati								
Kuwait	52.4	178.6		185.5		277.8		641.9
Kyrgyzstan	19.4	19.0	1.0	2.0	0.1	0.3	20.5	21.4
Lao People's Democratic Republic								
Latvia	29.0	62.8	10.4	23.3	11.8	26.6	51.2	112.7
Lebanon	90.0	63.7	68.2	44.9	35.4	16.3	193.6	124.8
Lesotho								
Liberia								
Libya	14.7	7.4	8.4	4.5	2.5	0.6	25.6	12.5
Lithuania	33.6	81.3	6.9	23.9	12.0	32.7	52.4	137.8
Luxembourg		205.6		14.0		13.2		232.8
Madagascar	1.1	5.3	0.9	1.9	0.7	1.6	2.6	8.8
Malawi	12.0	20.3	4.0	5.6	1.3	4.9	17.3	30.9
Malaysia	52.4	46.7	30.0	20.9	96.2	127.0	178.6	194.6
Maldives		43.1		4.4		4.3		51.8
Mali	2.8	24.0	3.0	7.2	3.0	5.2	8.7	36.4
Malta	83.9	56.5	16.7	39.2	16.7	15.0	117.2	110.7
Marshall Islands								
Mauritania								
Mauritius	141.5	71.6	64.9	28.1	192.6	43.2	398.9	142.9
Mexico	52.9	61.9	12.4	19.9	6.9	11.8	72.2	93.6
Micronesia (Federated States of)								
Mongolia	2.9	32.1		0.5		0.5		33.1
Montenegro		98.3		46.4		46.0		190.6
Morocco	21.5	22.5	11.3	14.1	5.3	10.9	38.1	47.4
Mozambique	2.3	8.1	0.8	1.4	0.3	1.2	3.5	10.7
Myanmar	15.7	30.5	3.3	11.3	0.6	10.4	19.6	52.2
Namibia	0.1	3.4	0.2	0.1		0.2		3.7
Nauru		0.0		0.1		0.0		0.1
Nepal	21.0	56.9	7.4	31.7	1.3	4.1	29.6	92.7
Netherlands	258.9	205.7	46.6	13.1	55.2	49.1	360.8	267.9
New Zealand	34.6	62.6	42.8	25.0	28.2	27.7	105.5	115.3
Nicaragua	6.6	37.5	5.0	10.9	1.9	16.3	13.4	64.7
Niger	0.2	0.3	0.1	0.0	0.1	0.2	0.3	0.6

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	2020	2000	2020	2000	2020	2000	2020
Nigeria	2.6	10.5	1.1	3.3	0.9	2.7	4.6	16.5
North Macedonia	32.1	51.3	19.5	14.7	15.0	9.4	66.6	75.4
Norway	115.4	131.1	33.9	25.5	69.0	51.0	218.3	207.6
Oman	54.1	95.3	13.8	29.6	11.0	103.1	78.9	228.0
Pakistan	71.4	111.4	21.3	38.0	0.7	1.9	93.5	151.3
Palau								
Panama	22.0	26.9	7.9	15.3	14.9	23.7	44.9	65.9
Papua New Guinea	5.7	26.4	4.9	3.0	3.6	5.5	14.2	34.9
Paraguay	5.9	29.3	8.3	47.5	6.8	44.3	21.0	121.1
Peru	35.0	54.9	8.3	20.4	3.5	22.7	46.8	98.1
Philippines	50.2	67.2	12.8	18.5	12.6	19.0	75.5	104.6
Poland	62.5	80.9	22.2	28.6	28.0	43.9	112.7	153.4
Portugal	44.5	57.9	24.8	22.1	16.9	19.4	86.2	99.4
Qatar	31.3	62.5		33.3		112.5		208.3
Republic of Korea	214.6	131.5	84.3	91.3	109.5	90.4	408.4	313.2
Republic of Moldova	2.3	27.6	0.1	10.1		5.3		43.0
Romania	24.2	50.3	5.7	20.1	0.9	8.8	30.7	79.1
Russian Federation	7.6	15.5	2.2	5.6	1.4	3.9	11.3	25.0
Rwanda	0.1	7.6	0.1	10.8	0.1	2.9	0.3	21.3
Saint Kitts and Nevis	106.7	2.5	66.7	1.9	53.3	0.7	226.7	5.1
Saint Lucia	71.2	28.9	46.7	19.2	46.7	18.8	164.6	66.9
Saint Vincent and the Grenadines								
Samoa		0.3		0.2		0.2		0.7
San Marino								
Sao Tome and Principe								
Saudi Arabia	60.2	49.6	36.3	25.9	5.6	8.2	102.0	83.6
Senegal	4.8	14.3	3.3	5.1	3.3	5.3	11.3	24.7
Serbia		87.1		35.4		26.0		148.5
Seychelles	3.8	29.7	2.8	10.2	4.0	12.7	10.5	52.5
Sierra Leone								
Singapore								
Slovakia	52.1	93.6	12.2	20.1	10.7	14.4	75.0	128.1
Slovenia	170.8	119.7	90.1	35.9	109.5	42.4	370.4	198.0
Solomon Islands								
Somalia								
South Africa	29.3	30.7	13.2	20.1	9.7	10.6	52.1	61.4
South Sudan								
Spain	60.8	63.6	31.0	29.2	25.6	24.0	117.4	116.9
Sri Lanka	82.5	100.2	15.9	21.6	30.9	50.5	129.3	172.2
Sudan		5.7		1.3		0.1		7.0
Suriname	79.1	97.6		8.7	7.5	12.4		118.6
Sweden	75.6	84.7	15.0	15.0	18.0	17.2	108.6	116.8
Switzerland	111.8	101.5	28.3	31.2	65.5	32.1	205.6	164.8

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	2020	2000	2020	2000	2020	2000	2020
Syrian Arab Republic	44.1	4.2	22.7	0.9	1.5	0.4	68.3	5.4
Tajikistan	10.1	68.4		7.0		2.7		78.0
Thailand	48.5	66.3	20.2	16.6	13.3	25.6	82.0	108.4
Timor-Leste								
Togo	3.7	1.2	2.3	0.6	2.3	0.6	8.3	2.5
Tonga		2.7		2.5		2.5		7.6
Trinidad and Tobago	121.3	138.3	11.4	10.6	20.7	25.5	153.4	174.5
Tunisia	12.4	17.3	9.0	11.1	0.8	1.1	22.3	29.5
Türkiye	52.3	88.7	23.8	33.0	3.1	5.0	79.2	126.6
Turkmenistan	52.6	144.0	0.0	18.0	0.4	0.6	53.0	162.5
Tuvalu								
Uganda	0.5	0.9	0.2	0.4	0.2	0.6	0.9	1.9
Ukraine	10.5	50.8	1.9	12.8	0.8	10.1	13.1	73.7
United Arab Emirates	96.4	168.7	20.2	46.2	25.5	136.2	142.1	351.1
United Kingdom of Great Britain and Northern Ireland	188.1	160.5	47.1	28.9	62.4	42.0	297.6	231.4
United Republic of Tanzania	1.4	11.0	0.6	2.1	0.2	1.1	2.2	14.3
United States of America	60.1	72.4	21.8	24.8	25.2	26.8	107.1	124.0
Uruguay	25.6	98.9	39.8	68.4	8.2	32.0	73.6	199.3
Uzbekistan	125.7	162.5	24.1	50.9	1.7	17.3	151.5	230.7
Vanuatu								
Venezuela (Bolivarian Republic of)	51.6	43.1	15.6	29.0	15.9	26.2	83.1	98.4
Viet Nam	163.2	154.8	62.2	63.2	53.2	52.9	278.6	270.9
Yemen	8.9	6.4		1.1	0.2	1.0		8.5
Zambia	2.8	50.0	4.7	15.1	3.5	14.0	11.0	79.0
Zimbabwe	23.6	12.2	11.7	11.2	9.3	9.0	44.7	32.4

Source: FAO. 2022. FAOSTAT: Fertilizers indicators. In: FAO. Rome. Cited October 2022. <http://www.fao.org/faostat/en/#data/EF>

CHAPTER 2: PRODUCTION, TRADE AND PRICES OF COMMODITIES

TABLE 17.
PRODUCTION OF PRIMARY CROPS BY GROUP, 2020 (THOUSAND TONNES)

COUNTRY	CEREALS	SUGAR CROPS	VEGETABLES	OIL CROPS	FRUIT	ROOTS AND TUBERS	OTHER	TOTAL
World	2 996 142	2 123 540	1 148 446	1 135 622	887 027	847 622	176 364	9 314 764
Africa	208 209	112 437	85 149	64 241	119 884	333 595	35 258	958 773
Americas	789 387	1 042 130	77 402	385 557	160 538	78 182	35 024	2 568 220
Asia	1 444 426	779 509	898 152	590 037	515 770	324 104	90 897	4 642 896
Europe	526 445	157 099	84 578	87 663	82 854	107 694	12 833	1 059 165
Oceania	27 675	32 365	3 165	8 124	7 981	4 047	2 353	85 710
Afghanistan	6 026	45	1 823	159	3 459	855	120	12 488
Albania	684	27	989	134	819	255	44	2 952
Algeria	4 393	0	7 986	1 115	7 055	4 659	202	25 411
Andorra								
Angola	2 428	808	744	580	5 175	10 956	394	21 084
Antigua and Barbuda	0	0	1	0	9	0	0	10
Argentina	86 573	18 046	3 209	54 798	7 441	2 961	2 361	175 389
Armenia	242	55	600	0	680	437	10	2 025
Australia	26 614	30 283	1 589	2 773	3 540	1 154	2 189	68 141
Austria	5 650	2 092	589	393	700	886	55	10 363
Azerbaijan	3 151	234	1 740	383	1 686	1 038	97	8 329
Bahamas	1	62	33	3	48	3	0	150
Bahrain	0	0	18	0	21	0	0	40
Bangladesh	59 960	3 882	7 139	1 065	5 027	9 852	2 365	89 289
Barbados	0	81	11	2	5	3	2	103
Belarus	8 404	4 011	1 782	741	776	5 231	433	21 378
Belgium	2 566	4 784	2 096	40	616	3 929	107	14 137
Belize	112	1 537	12	16	212	2	10	1 901
Benin	2 203	12	703	1 783	627	7 371	485	13 185
Bhutan	103	1	48	1	56	81	50	340
Bolivia (Plurinational State of)	2 914	10 094	393	3 149	1 540	1 578	273	19 942
Bosnia and Herzegovina	1 944	1	800	50	432	441	58	3 726
Botswana	162	0	81	1	32	113	21	411
Brazil	125 568	757 117	8 374	135 168	39 759	23 071	8 968	1 098 025
Brunei Darussalam	3	0	10	0	8	4	0	25
Bulgaria	8 598	0	341	2 023	465	192	56	11 675
Burkina Faso	5 123	504	303	1 511	104	194	912	8 651
Burundi	466	196	483	98	1 723	3 931	813	7 711
Cabo Verde	0	23	31	5	8	8	8	83
Cambodia	11 910	2 123	625	569	373	7 745	465	23 810
Cameroon	3 733	1 249	3 052	3 558	6 410	8 299	1 180	27 481
Canada	65 014	1 067	2 241	26 648	926	5 295	8 235	109 426
Central African Republic	136	128	95	221	311	1 356	61	2 308
Chad	2 882	456	111	1 211	126	1 023	199	6 007
Chile	2 760	1 259	2 135	290	6 780	1 303	302	14 829
China	617 483	120 250	596 166	87 278	245 453	134 292	15 398	1 816 320
Colombia	4 925	24 680	2 451	7 462	10 522	4 332	1 138	55 509

TABLE 17.
PRODUCTION OF PRIMARY CROPS BY GROUP, 2020 (THOUSAND TONNES) (CONTINUED)

COUNTRY	CEREALS	SUGAR CROPS	VEGETABLES	OIL CROPS	FRUIT	ROOTS AND TUBERS	OTHER	TOTAL
Comoros	37	0	5	86	51	89	22	290
Congo	30	645	143	182	270	1 675	24	2 969
Costa Rica	152	4 195	177	1 170	6 191	173	88	12 145
Côte d'Ivoire	2 817	2 134	771	3 212	2 891	14 286	4 310	30 421
Croatia	3 746	774	166	546	282	174	15	5 703
Cuba	526	13 895	1 628	40	1 697	1 268	116	19 170
Cyprus	76	0	50	22	126	80	1	356
Czechia	8 127	3 671	203	1 347	234	696	98	14 376
Democratic People's Republic of Korea	4 663	0	3 318	270	1 824	1 217	454	11 745
Democratic Republic of the Congo	3 551	2 136	592	2 639	6 748	42 761	501	58 928
Denmark	9 468	2 559	254	560	58	2 763	110	15 772
Djibouti	0	0	35	0	5	0	3	43
Dominica	0	5	7	7	52	37	2	109
Dominican Republic	994	5 317	874	730	5 671	404	186	14 175
Ecuador	2 690	11 021	421	2 516	7 630	502	423	25 203
Egypt	22 320	27 957	16 135	1 480	14 734	5 791	382	88 799
El Salvador	1 019	7 694	121	95	317	73	148	9 467
Equatorial Guinea	0	0	0	44	70	209	5	329
Eritrea	305	0	55	23	5	55	37	479
Estonia	1 633	0	27	207	4	88	120	2 079
Eswatini	90	5 699	13	3	146	73	4	6 030
Ethiopia	30 249	1 345	1 622	1 197	1 558	5 114	4 348	45 434
Fiji	10	1 726	55	22	41	143	15	2 011
Finland	3 416	422	270	32	26	624	78	4 867
France	56 850	26 195	4 422	5 416	8 887	8 692	1 760	112 223
Gabon	46	292	50	60	387	624	25	1 484
Gambia	174	0	13	147	10	12	5	360
Georgia	412	0	176	4	633	209	54	1 489
Germany	43 265	28 618	3 437	3 681	2 501	11 715	614	93 832
Ghana	4 570	154	788	3 573	6 351	31 736	1 537	48 710
Greece	3 105	89	1 919	261	4 436	451	313	10 574
Grenada	0	7	6	6	19	3	2	44
Guatemala	1 985	28 350	1 238	2 999	6 899	594	1 103	43 168
Guinea	4 667	316	561	2 021	1 318	3 479	146	12 508
Guinea-Bissau	253	7	39	170	109	128	164	870
Guyana	692	985	194	149	328	107	38	2 492
Haiti	370	1 550	153	44	1 169	874	195	4 355
Honduras	754	5 030	364	2 364	1 549	86	502	10 649
Hungary	15 567	780	666	2 759	1 164	270	38	21 246
Iceland	7	0	5	0	0	7	0	19
India	335 035	370 500	141 195	65 647	105 971	57 529	37 598	1 113 476
Indonesia	77 149	29 121	12 582	275 451	22 744	21 547	6 541	445 135
Iran (Islamic Republic of)	22 013	14 053	12 623	870	18 964	4 475	1 406	74 403

TABLE 17.
PRODUCTION OF PRIMARY CROPS BY GROUP, 2020 (THOUSAND TONNES) (CONTINUED)

COUNTRY	CEREALS	SUGAR CROPS	VEGETABLES	OIL CROPS	FRUIT	ROOTS AND TUBERS	OTHER	TOTAL
Iraq	8 885	32	1 734	51	2 161	675	13	13 549
Ireland	1 893	0	188	44	26	300	60	2 511
Israel	246	0	1 247	121	1 420	532	17	3 582
Italy	16 945	1 831	10 849	3 561	17 828	1 435	571	53 020
Jamaica	2	519	266	88	374	286	33	1 568
Japan	10 923	5 079	10 222	236	2 930	3 324	205	32 918
Jordan	95	0	1 401	173	559	193	6	2 428
Kazakhstan	20 179	466	4 451	2 886	2 864	4 007	364	35 217
Kenya	4 881	6 800	3 602	194	4 374	3 472	1 967	25 290
Kiribati	0	0	6	152	9	2	0	169
Kuwait	21	0	377	1	125	44	0	567
Kyrgyzstan	1 901	449	1 102	97	457	1 327	215	5 548
Lao People's Democratic Republic	4 837	1 450	1 533	74	1 146	6 938	416	16 394
Latvia	3 497	0	69	456	20	181	137	4 360
Lebanon	174	5	680	146	1 036	629	60	2 731
Lesotho	99	0	32	0	15	129	3	277
Liberia	270	273	121	195	206	706	86	1 857
Libya	209	0	689	189	685	367	43	2 183
Lithuania	6 545	948	164	984	69	297	393	9 400
Luxembourg	146	0	3	9	16	16	1	193
Madagascar	4 459	3 017	456	156	1 259	4 205	262	13 815
Malawi	4 028	3 059	1 825	580	3 714	14 095	909	28 209
Malaysia	2 390	23	1 172	97 723	1 113	87	620	103 128
Maldives	0	0	3	0	6	2	2	14
Mali	10 352	363	2 535	670	2 350	1 074	607	17 952
Malta	0	0	40	0	11	8	0	59
Marshall Islands	0	0	0	23	0	0	0	23
Mauritania	486	0	5	3	29	11	52	586
Mauritius	1	2 621	57	1	24	18	3	2 725
Mexico	36 375	53 954	15 098	3 669	23 838	2 325	2 176	137 435
Micronesia (Federated States of)	0	0	4	46	3	12	0	65
Mongolia	430	0	122	23	2	244	7	827
Montenegro	7	0	23	0	74	24	3	130
Morocco	3 304	4 424	3 984	1 474	5 587	1 715	468	20 955
Mozambique	1 949	2 738	981	769	1 138	6 251	1 031	14 857
Myanmar	27 553	12 336	4 820	3 693	2 732	934	4 817	56 885
Namibia	174	0	65	0	62	383	23	708
Nauru	0	0	0	2	0	0	0	3
Nepal	10 936	3 400	4 169	321	1 504	3 291	848	24 468
Netherlands	1 364	6 691	5 293	6	739	7 020	20	21 134
New Zealand	1 019	0	886	5	1 780	565	31	4 286
Nicaragua	905	8 585	236	292	582	391	389	11 380
Niger	5 878	441	3 334	738	637	1 104	2 751	14 883

TABLE 17.
PRODUCTION OF PRIMARY CROPS BY GROUP, 2020 (THOUSAND TONNES) (CONTINUED)

COUNTRY	CEREALS	SUGAR CROPS	VEGETABLES	OIL CROPS	FRUIT	ROOTS AND TUBERS	OTHER	TOTAL
Nigeria	28 673	1 517	15 706	16 449	11 530	118 327	5 287	197 489
North Macedonia	579	4	696	18	636	193	59	2 186
Norway	1 239	0	185	7	24	361	4	1 820
Oman	182	1	836	0	505	16	1	1 542
Pakistan	42 541	81 027	5 573	5 006	9 826	4 937	1 139	150 048
Palau								
Panama	530	2 779	52	87	645	55	20	4 167
Papua New Guinea	18	351	561	4 073	2 468	1 845	102	9 418
Paraguay	8 433	7 431	154	11 426	777	3 385	231	31 837
Peru	5 407	10 469	2 943	1 136	7 376	7 341	884	35 556
Philippines	27 414	24 399	6 624	15 025	16 482	3 399	984	94 327
Poland	34 865	14 172	4 321	3 077	4 500	7 849	661	69 443
Portugal	1 056	0	2 289	732	2 010	410	97	6 593
Qatar	2	0	71	0	29	0	0	102
Republic of Korea	4 945	0	9 477	137	2 765	883	154	18 361
Republic of Moldova	1 478	423	223	573	1 141	172	46	4 057
Romania	19 374	778	1 799	3 336	2 954	2 699	176	31 115
Russian Federation	130 038	33 915	13 951	21 217	5 907	19 607	3 595	228 230
Rwanda	754	112	661	40	2 177	3 664	516	7 924
Saint Kitts and Nevis	0	0	1	3	2	1	0	7
Saint Lucia	0	0	3	10	22	4	0	39
Saint Vincent and the Grenadines	1	0	5	3	77	14	4	104
Samoa	0	0	1	183	47	28	1	260
San Marino								
Sao Tome and Principe	1	0	4	18	51	13	3	89
Saudi Arabia	1 181	0	1 052	371	2 914	561	15	6 094
Senegal	3 641	1 389	1 001	1 984	2 008	1 680	271	11 973
Serbia	11 472	2 018	669	1 467	1 910	673	88	18 297
Seychelles	0	0	3	4	3	0	0	10
Sierra Leone	1 170	81	468	339	270	1 888	302	4 518
Singapore	0	0	26	0	0	0	0	26
Slovakia	4 581	1 273	107	725	85	166	25	6 962
Slovenia	749	7	133	21	186	89	7	1 193
Solomon Islands	3	0	6	420	30	199	12	670
Somalia	177	228	104	61	214	103	26	914
South Africa	18 237	18 220	2 636	2 391	7 457	2 630	185	51 756
South Sudan	874	0	497	379	553	796	45	3 143
Spain	27 321	2 433	12 669	9 271	19 471	2 052	1 241	74 458
Sri Lanka	5 435	855	1 307	2 288	1 340	425	1 007	12 656
Sudan	3 821	5 192	3 868	4 808	3 263	924	519	22 397
Suriname	286	124	22	15	98	10	0	555
Sweden	5 955	2 027	343	343	49	877	131	9 725
Switzerland	1 008	1 424	399	106	373	490	20	3 820

TABLE 17.
PRODUCTION OF PRIMARY CROPS BY GROUP, 2020 (THOUSAND TONNES) (CONTINUED)

COUNTRY	CEREALS	SUGAR CROPS	VEGETABLES	OIL CROPS	FRUIT	ROOTS AND TUBERS	OTHER	TOTAL
Syrian Arab Republic	5 323	0	2 089	919	2 450	647	636	12 064
Tajikistan	1 281	0	2 375	433	1 342	986	86	6 503
Thailand	35 508	74 968	2 820	16 698	10 098	29 496	5 740	175 328
Timor-Leste	144	0	33	13	17	63	19	289
Togo	1 357	0	150	760	67	2 054	280	4 668
Tonga	0	0	27	43	9	24	0	104
Trinidad and Tobago	6	0	18	14	74	14	3	130
Tunisia	1 565	86	3 138	2 015	2 389	450	202	9 844
Türkiye	37 185	23 026	25 961	5 710	24 153	5 200	3 721	124 956
Turkmenistan	1 533	195	678	636	684	304	18	4 047
Tuvalu	0	0	1	2	1	0	0	3
Uganda	3 436	5 778	1 380	1 007	7 458	6 053	1 086	26 199
Ukraine	64 342	9 150	9 675	18 510	2 688	20 838	724	125 928
United Arab Emirates	16	0	233	0	361	4	1	616
United Kingdom of Great Britain and Northern Ireland	18 962	5 980	2 525	1 095	738	5 520	865	35 686
United Republic of Tanzania	12 493	3 620	2 773	3 323	5 664	13 075	2 214	43 160
United States of America	434 875	63 247	33 124	128 308	23 748	20 349	7 028	710 680
Uruguay	3 503	390	174	2 134	396	153	10	6 760
Uzbekistan	7 122	0	9 904	3 168	5 825	3 144	213	29 374
Vanuatu	1	0	13	273	22	54	2	366
Venezuela (Bolivarian Republic of)	2 016	2 642	1 221	716	3 559	1 178	150	11 482
Viet Nam	47 321	11 535	17 002	2 244	10 617	12 155	4 802	105 675
Yemen	447	0	481	34	1 174	234	194	2 563
Zambia	3 685	4 827	435	516	116	4 157	68	13 804
Zimbabwe	1 598	3 590	228	257	359	307	261	6 601

Source: FAO. 2022. FAOSTAT: Production: Crops and livestock products. In: *FAO*. Rome. Cited October 2022.
<https://www.fao.org/faostat/en/#data/QCL>

TABLE 18.
PRODUCTION VALUE OF PRIMARY CROPS BY GROUP, 2020 (USD MILLION, 2014–2016 PRICES)

COUNTRY	CEREALS	VEGETABLES	FRUIT	ROOTS AND TUBERS	SUGAR CROPS	OIL CROPS	OTHER	TOTAL
World	834 323	533 081	465 091	198 132	106 218	84 325	506 793	2 727 964
Africa	60 014	32 284	43 129	76 283	5 483	3 986	32 597	253 777
Americas	130 014	42 980	70 507	19 685	30 012	25 267	160 572	479 037
Asia	549 795	406 107	288 255	79 176	63 140	41 024	272 371	1 699 869
Europe	88 154	49 862	57 625	22 143	6 582	13 589	37 446	275 400
Oceania	6 346	1 847	5 576	845	1 002	458	3 807	19 881
Afghanistan								
Albania	217	463	359	76	1	45	241	1 403
Algeria	1 798	4 443	9 190	1 855		103	444	17 832
Andorra								
Angola	801	208	1 467	2 345		57	632	5 511
Antigua and Barbuda			1	1			0	2
Argentina	13 421	1 379	1 431	910	744	3 320	14 828	36 033
Armenia	60	106	257	127			24	573
Australia	6 054	1 446	3 477	501	945	441	3 646	16 510
Austria	812	347	563	158	64	73	206	2 224
Azerbaijan	825	884	859	405	12	22	314	3 322
Bahamas								
Bahrain								
Bangladesh	13 570	1 673	959	1 800	151	121	2 196	20 470
Barbados		23	2	6	2		0	35
Belarus	1 351	793	418	806	143	89	193	3 793
Belgium	368	1 495	440	479	149	3	34	2 968
Belize	38	16	68	2	51	2	20	197
Benin	786	298		2 972		29	357	4 443
Bhutan	59	31	41	39	0	0	77	248
Bolivia (Plurinational State of)	832	98	345	422	2 203	185	946	5 032
Bosnia and Herzegovina	351	147	283	113		4	58	956
Botswana	62		1			0	24	87
Brazil	22 682	4 437	11 712	3 998	16 775	8 822	58 172	126 598
Brunei Darussalam	2	13	6	3		0	1	25
Bulgaria	1 522	156	165	45		325	512	2 726
Burkina Faso	1 392	19	1	67		123	724	2 326
Burundi	158	189	338	1 029	8		241	1 964
Cabo Verde	0	61	10	18			19	109
Cambodia	3 088	411	259	1 342	7 838	66	374	13 378
Cameroon	1 311	744	1 441	2 576		131	1 640	7 844
Canada	11 190	1 111	782	1 214		3 307	9 934	27 539
Central African Republic	60		21	648			0	729
Chad	1 207	94	86	226		292	725	2 629
Chile	539	1 353	8 328	583	36	23	88	10 949
China	260 122	293 777	160 931	41 795	36 936	20 291	117 628	931 480
Colombia	1 950	793	4 247	1 270	751	30	2 611	11 652

TABLE 18.
PRODUCTION VALUE OF PRIMARY CROPS BY GROUP, 2020 (USD MILLION, 2014–2016 PRICES) (CONTINUED)

COUNTRY	CEREALS	VEGETABLES	FRUIT	ROOTS AND TUBERS	SUGAR CROPS	OIL CROPS	OTHER	TOTAL
Comoros								
Congo	20	104	279	2 240	110	13	52	2 819
Costa Rica	83	93	3 211	73	180	0	242	3 882
Côte d'Ivoire	1 589	148	1 267	2 396	91	107	5 800	11 397
Croatia	565	80	148	35	26	57	178	1 089
Cuba								
Cyprus	22	40	57	32		5	20	177
Czechia	1 507	105	123	168	133	214	424	2 674
Democratic People's Republic of Korea								
Democratic Republic of the Congo								
Denmark	1 666	158	62	790	111	91	156	3 033
Djibouti								
Dominica								
Dominican Republic	365	394	1 220	172	2 102	25	503	4 782
Ecuador	982	161	1 759	157	309	84	1 203	4 655
Egypt	6 938	2 685	4 284	955	1 453	196	807	17 318
El Salvador	385	40	97	7	207	2	302	1 040
Equatorial Guinea							11	11
Eritrea	411		4	98		9	71	593
Estonia	263	12	7	38		32	53	405
Eswatini								
Ethiopia	8 822	644	349	407	166	265	3 172	13 824
Fiji	6	115	27	93	57	1	21	320
Finland	549	284	105	127	18	5	29	1 117
France	10 089	3 446	15 274	2 806	841	867	1 780	35 103
Gabon								
Gambia	75			7		17	39	138
Georgia	98	44	215	63		1	113	534
Germany	7 676	2 481	1 288	2 216	1 518	562	1 115	16 857
Ghana	1 950	634	2 306	8 794		173	1 305	15 162
Greece	745	1 382	2 551	253	3	1 586	6 240	12 760
Grenada	0	13	18	5	4	1	13	54
Guatemala								
Guinea	770	7	68	217		102	352	1 516
Guinea-Bissau	184		29	49			1	264
Guyana		141	201	35			74	451
Haiti								
Honduras	241	94	324	21	89	71	1 325	2 165
Hungary	2 551	272	522	72	25	426	710	4 578
Iceland	2	14		7			0	23
India	120 147	40 545	52 837	9 867	7 889	6 360	54 172	291 818
Indonesia	44 847	12 220	9 446	4 903		7 001	32 004	110 420
Iran (Islamic Republic of)	9 638	2 223	10 075	951	896	215	7 537	31 535

TABLE 18.
PRODUCTION VALUE OF PRIMARY CROPS BY GROUP, 2020 (USD MILLION, 2014–2016 PRICES) (CONTINUED)

COUNTRY	CEREALS	VEGETABLES	FRUIT	ROOTS AND TUBERS	SUGAR CROPS	OIL CROPS	OTHER	TOTAL
Iraq	3 948	1 081	1 037	368		6	20	6 460
Ireland	444	216	9				0	670
Israel	124	992	1 890	342		37	183	3 569
Italy	4 317	8 986	8 299	645	97	1 201	5 530	29 075
Jamaica	7	263	356	297	307	3	107	1 341
Japan	17 779	12 878	8 480	4 595	624	81	1 829	46 265
Jordan	41	529	355	80		44	163	1 213
Kazakhstan	2 697	1 546	690	881	18	253	584	6 669
Kenya	1 794	1 220	1 179	1 134	227	8	2 591	8 152
Kiribati								
Kuwait	16	131	131	19		0	1	299
Kyrgyzstan	449	404	15	353	22		176	1 418
Lao People's Democratic Republic	1 467	1 265	594	537	285	28	361	4 536
Latvia	579	38	10	31		66	116	841
Lebanon	56	436	990	278	3	39	291	2 092
Lesotho								
Liberia								
Libya								
Lithuania	1 144	92	48	55	35	144	278	1 796
Luxembourg	24	3	23	5		1	2	59
Madagascar	963	17	166	508	240	21	325	2 239
Malawi	1 201	585	863	4 940		104	948	8 641
Malaysia	757	344	421	28	6	2 968	11 719	16 242
Maldives		1	5	0		0	0	7
Mali	2 358	1 618	1 115	480		76	312	5 960
Malta		19	10	3			0	32
Marshall Islands								
Mauritania								
Mauritius	0	40	8	13	108	0	4	173
Mexico	7 674	5 513	7 908	919	1 702	166	3 072	26 955
Micronesia (Federated States of)								
Mongolia	106	84		127			0	317
Montenegro								
Morocco	886	1 114	3 082	351	157	187	792	6 570
Mozambique	588	746	429	1 534	20	54	852	4 223
Myanmar								
Namibia	55		28			0	0	83
Nauru								
Nepal	2 892	1 661	422	935	161	98	757	6 927
Netherlands	246	3 150	700	1 058	308	1	1	5 465
New Zealand	280	243	1 967	186			22	2 698
Nicaragua	333	75	140	85	128	48	815	1 623
Niger	2 605	1 906	124	498	55	171	447	5 806

TABLE 18.
PRODUCTION VALUE OF PRIMARY CROPS BY GROUP, 2020 (USD MILLION, 2014–2016 PRICES) (CONTINUED)

COUNTRY	CEREALS	VEGETABLES	FRUIT	ROOTS AND TUBERS	SUGAR CROPS	OIL CROPS	OTHER	TOTAL
Nigeria	10 171	11 238	5 636	31 124	176	587	3 539	62 471
North Macedonia	119	301	167	55	0	1	112	755
Norway	431	311	84	132		2	5	965
Oman	34	258	82	6	0		0	380
Pakistan	12 731	598	2 807	1 165	2 949	409	2 452	23 111
Palau								
Panama	288	61	196	54	67	1	36	704
Papua New Guinea								
Paraguay	1 306	80	220	209	176	771	3 539	6 302
Peru	2 353	1 330	1 800	1 928	380	62	1 612	9 466
Philippines	10 059	2 437	4 444	633	1 561	311	2 857	22 303
Poland	5 443	1 231	1 180	854	479	466	898	10 550
Portugal	234	1 385	2 006	114		68	386	4 193
Qatar	1	35	25	0			0	62
Republic of Korea	8 223	12 816	3 565	273		104	807	25 789
Republic of Moldova	195	49	201	23	16	74	141	699
Romania	3 803	1 179	1 980	978	31	479	1 077	9 527
Russian Federation	18 880	7 708	3 909	4 611	1 615	2 417	5 312	44 452
Rwanda	344	249	1 010	994	7	10	318	2 931
Saint Kitts and Nevis		1	0	2		1	5	9
Saint Lucia		5	20	7		2	13	47
Saint Vincent and the Grenadines	1	4	51	17		1	27	101
Samoa			52	22		6	39	118
San Marino								
Sao Tome and Principe								
Saudi Arabia	256	801	5 251	379			19	6 706
Senegal	1 009	239	861	490	19	192	613	3 424
Serbia	1 722	252	933	150	71	140	419	3 688
Seychelles		1	3	0		1	6	12
Sierra Leone	750	586	141	914			31	2 422
Singapore		27					0	27
Slovakia	774	50	56	51	49	100	194	1 274
Slovenia	121	75	118	22	0	2	29	368
Solomon Islands								
Somalia								
South Africa	3 722	978	4 496	632	693	241	1 666	12 428
South Sudan								
Spain	5 684	7 343	12 658	573	106	1 475	6 328	34 167
Sri Lanka	1 557	784	393	142	27	122	1 984	5 010
Sudan								
Suriname	48	30	66	6		1	9	161
Sweden	970	193	79	286	64	50	82	1 724
Switzerland	410	658	803	249	92	31	84	2 327

TABLE 18.
PRODUCTION VALUE OF PRIMARY CROPS BY GROUP, 2020 (USD MILLION, 2014–2016 PRICES) (CONTINUED)

COUNTRY	CEREALS	VEGETABLES	FRUIT	ROOTS AND TUBERS	SUGAR CROPS	OIL CROPS	OTHER	TOTAL
Syrian Arab Republic								
Tajikistan	326	548	574	236		18	136	1 838
Thailand	8 438	826	3 330	1 882	1 800	600	10 172	27 048
Timor-Leste	147	11	15	9		0	41	223
Togo	420	205	26	591		23	321	1 585
Tonga								
Trinidad and Tobago	3	40	55	15		1	14	128
Tunisia	420	659	1 231	110	2	236	1 013	3 670
Türkiye	10 646	12 133	11 317	2 010	1 446	1 506	14 138	53 196
Turkmenistan	152	147	117	132			18	566
Tuvalu								
Uganda								
Ukraine	8 879	2 131	733	2 760	338	2 322	4 127	21 290
United Arab Emirates								
United Kingdom of Great Britain and Northern Ireland	3 498	2 855	1 310	1 299	248	168	395	9 774
United Republic of Tanzania	3 203	289	1 381	2 233		436	1 723	9 266
United States of America	64 549	25 188	17 714	4 451	2 623	8 198	59 574	182 297
Uruguay	743	209	312	118		138	630	2 150
Uzbekistan								
Vanuatu	1	19	17	21		9	66	133
Venezuela (Bolivarian Republic of)			7 768	2 691	1 174		833	12 466
Viet Nam	14 005	587	4 057	2 242	517	262	8 638	30 308
Yemen	381	416	1 209	164		21	382	2 573
Zambia	622	65	5	2 818		21	82	3 613
Zimbabwe	569	252	199	19	1 949		603	3 592

Source: FAO. 2022. FAOSTAT: Value of Agricultural Production. In: FAO. Rome. Cited October 2022. <https://www.fao.org/faostat/en/#data/QV>

TABLE 19.
PRODUCTION OF PRIMARY CROPS MAIN COMMODITIES, 2020 (THOUSAND TONNES)

COUNTRY	SUGAR CANE	MAIZE	WHEAT	RICE, PADDY	OIL PALM FRUIT	POTATOES	OTHER CROPS	TOTAL
World	1 869 715	1 162 353	760 926	756 744	418 439	359 071	3 987 516	9 314 764
Africa	95 667	90 525	25 233	37 890	22 294	26 229	660 934	958 773
Americas	1 009 249	582 094	117 818	38 114	22 439	44 922	753 583	2 568 220
Asia	732 434	365 306	347 921	676 610	370 584	178 600	1 971 440	4 642 896
Europe		123 945	255 019	4 067		107 686	568 449	1 059 165
Oceania	32 365	483	14 934	62	3 122	1 634	33 110	85 710
Afghanistan	40	272	5 185	440		855	5 696	12 488
Albania		399	233			255	2 065	2 952
Algeria		3	3 107	0		4 659	17 641	25 411
Andorra								
Angola	808	2 300	3	10	282	446	17 235	21 084
Antigua and Barbuda		0					10	10
Argentina	18 046	58 396	19 777	1 223		2 427	75 521	175 389
Armenia		6	132			437	1 449	2 025
Australia	30 283	268	14 480	50		1 077	21 983	68 141
Austria		2 412	1 653			886	5 413	10 363
Azerbaijan		315	1 819	9		1 038	5 149	8 329
Bahamas	62	1					87	150
Bahrain						0	40	40
Bangladesh	3 683	4 015	1 029	54 906		9 606	16 050	89 289
Barbados	81	0					22	103
Belarus		1 076	2 848			5 231	12 223	21 378
Belgium		421	1 741	0		3 929	8 046	14 137
Belize	1 537	83		14		1	265	1 901
Benin	12	1 612		412	590	0	10 559	13 185
Bhutan	1	41	2	54		46	197	340
Bolivia (Plurinational State of)	10 094	955	311	487		1 318	6 776	19 942
Bosnia and Herzegovina		1 426	322			441	1 536	3 726
Botswana		62	1			5	342	411
Brazil	757 117	103 964	6 348	11 091	2 868	3 768	212 869	1 098 025
Brunei Darussalam				3			23	25
Bulgaria		3 014	4 848	66		192	3 555	11 675
Burkina Faso	504	1 920		395		67	5 765	8 651
Burundi	196	260	9	150	85	295	6 717	7 711
Cabo Verde	23	0				3	57	83
Cambodia	2 123	950		10 960	267		9 510	23 810
Cameroon	1 249	2 091	0	329	2 465	354	20 992	27 481
Canada		13 563	35 183			5 295	55 384	109 426
Central African Republic	128	90		6	4	1	2 079	2 308
Chad	456	407	2	278		40	4 825	6 007
Chile		593	1 231	170		1 288	11 547	14 829
China	108 652	260 876	134 255	213 611	669	78 237	1 020 020	1 816 320
Colombia	24 650	1 479	6	3 424	7 173	2 625	16 151	55 509

TABLE 19.
PRODUCTION OF PRIMARY CROPS MAIN COMMODITIES, 2020 (THOUSAND TONNES) (CONTINUED)

COUNTRY	SUGAR CANE	MAIZE	WHEAT	RICE, PADDY	OIL PALM FRUIT	POTATOES	OTHER CROPS	TOTAL
Comoros		6		31		1	252	290
Congo	645	13		1	149	7	2 154	2 969
Costa Rica	4 195	14		138	1 139	48	6 612	12 145
Côte d'Ivoire	2 134	1 176		1 481	2 347		23 284	30 421
Croatia		2 431	868	0		174	2 231	5 703
Cuba	13 895	257		267		115	4 635	19 170
Cyprus			32	0		80	243	356
Czechia		826	4 902	0		696	7 952	14 376
Democratic People's Republic of Korea		2 214	89	2 113		661	6 668	11 745
Democratic Republic of the Congo	2 136	2 112	9	1 379	2 149	104	51 039	58 928
Denmark		39	4 070	0		2 763	8 900	15 772
Djibouti	0	0					43	43
Dominica	5	0				0	104	109
Dominican Republic	5 317	51		943	293	92	7 480	14 175
Ecuador	11 016	1 305	15	1 337	2 446	408	8 676	25 203
Egypt	14 914	7 500	9 000	4 894		5 216	47 276	88 799
El Salvador	7 694	886		28		7	852	9 467
Equatorial Guinea					37		293	329
Eritrea		20	25			0	434	479
Estonia		0	841	0		88	1 150	2 079
Eswatini	5 699	87	1	1		8	233	6 030
Ethiopia	1 345	10 022	5 479	190		1 142	27 256	45 434
Fiji	1 726	2		8		0	276	2 011
Finland			687	0		624	3 556	4 867
France		13 419	30 144	76		8 692	59 891	112 223
Gabon	292	45		2	20		1 126	1 484
Gambia		35		28	35		262	360
Georgia		255	102			209	923	1 489
Germany		4 020	22 172	0		11 715	55 925	93 832
Ghana	154	3 071		973	2 472		42 040	48 710
Greece		1 178	1 095	287		451	7 563	10 574
Grenada	7	0					36	44
Guatemala	28 350	1 910	1	32	2 897	590	9 388	43 168
Guinea	316	908		2 916	847	267	7 253	12 508
Guinea-Bissau	7	7		198	81		577	870
Guyana	985	4		688			816	2 492
Haiti	1 550	180		172		37	2 416	4 355
Honduras	5 030	667	1	66	2 344	27	2 514	10 649
Hungary		8 365	5 121	12		270	7 477	21 246
Iceland						7	12	19
India	370 500	30 160	107 590	178 305		51 300	375 621	1 113 476
Indonesia	28 914	22 500		54 649	256 529	1 283	81 260	445 135
Iran (Islamic Republic of)	7 827	1 400	15 000	2 000		4 475	43 701	74 403

TABLE 19.
PRODUCTION OF PRIMARY CROPS MAIN COMMODITIES, 2020 (THOUSAND TONNES) (CONTINUED)

COUNTRY	SUGAR CANE	MAIZE	WHEAT	RICE, PADDY	OIL PALM FRUIT	POTATOES	OTHER CROPS	TOTAL
Iraq	0	419	6 238	464		675	5 753	13 549
Ireland		0	365	0		300	1 846	2 511
Israel		73	117			499	2 894	3 582
Italy		6 793	6 716	1 507		1 435	36 569	53 020
Jamaica	519	2		0		15	1 032	1 568
Japan	1 167	0	949	9 706		2 274	18 821	32 918
Jordan		24	22			193	2 189	2 428
Kazakhstan		958	14 258	557		4 007	15 438	35 217
Kenya	6 800	3 789	405	181		1 860	12 256	25 290
Kiribati							169	169
Kuwait		16	0			44	507	567
Kyrgyzstan		714	629	44		1 327	2 833	5 548
Lao People's Democratic Republic	1 450	1 150		3 687		4	10 103	16 394
Latvia		0	2 660	0		181	1 519	4 360
Lebanon		3	140			628	1 960	2 731
Lesotho		70	8			129	71	277
Liberia	273			270	178		1 135	1 857
Libya		3	130			367	1 683	2 183
Lithuania		142	4 819	0		297	4 143	9 400
Luxembourg		1	72	0		16	103	193
Madagascar	3 017	225	1	4 232	21	247	6 071	13 815
Malawi	3 059	3 692	1	145		1 318	19 995	28 209
Malaysia	23	68		2 322	96 969		3 745	103 128
Maldives		0					14	14
Mali	355	3 517	37	3 010		226	10 807	17 952
Malta		0	0	0		8	51	59
Marshall Islands							23	23
Mauritania		15	9	365		2	195	586
Mauritius	2 621	1		0		16	87	2 725
Mexico	53 953	27 425	2 987	295	1 571	1 944	49 260	137 435
Micronesia (Federated States of)		0		0			64	65
Mongolia			406			244	177	827
Montenegro		3	2			24	101	130
Morocco	792	30	2 562	46		1 707	15 817	20 955
Mozambique	2 738	1 632	15	137		313	10 023	14 857
Myanmar	11 886	2 041	111	25 100		484	17 263	56 885
Namibia		64	12			14	618	708
Nauru		0					3	3
Nepal	3 400	2 836	2 185	5 551		3 132	7 365	24 468
Netherlands		166	932	0		7 020	13 016	21 134
New Zealand		190	454			553	3 089	4 286
Nicaragua	8 585	371		477	84	69	1 794	11 380
Niger	441	47	4	179		236	13 976	14 883

TABLE 19.
PRODUCTION OF PRIMARY CROPS MAIN COMMODITIES, 2020 (THOUSAND TONNES) (CONTINUED)

COUNTRY	SUGAR CANE	MAIZE	WHEAT	RICE, PADDY	OIL PALM FRUIT	POTATOES	OTHER CROPS	TOTAL
Nigeria	1 517	12 000	55	8 172	9 457	1 199	165 089	197 489
North Macedonia		150	246	20		193	1 577	2 186
Norway			303			361	1 156	1 820
Oman	1	25	3			16	1 497	1 542
Pakistan	81 009	8 465	25 248	8 419		4 553	22 354	150 048
Palau								
Panama	2 779	133		392	70	26	767	4 167
Papua New Guinea	351	12		1	2 854	1	6 198	9 418
Paraguay	7 431	5 835	1 303	1 188	152	4	15 926	31 837
Peru	10 469	1 448	188	3 437	898	5 467	13 649	35 556
Philippines	24 399	8 119		19 295	493	114	41 908	94 327
Poland		6 695	12 433	0		7 849	42 466	69 443
Portugal		682	84	133		410	5 285	6 593
Qatar		1	0			0	101	102
Republic of Korea		92	17	4 713		553	12 986	18 361
Republic of Moldova		785	570			172	2 530	4 057
Romania		10 942	6 755	25		2 699	10 695	31 115
Russian Federation		13 879	85 896	1 142		19 607	107 705	228 230
Rwanda	112	449	13	117		859	6 375	7 924
Saint Kitts and Nevis						0	7	7
Saint Lucia							39	39
Saint Vincent and the Grenadines		1					103	104
Samoa	0						260	260
San Marino								
Sao Tome and Principe		1			17		71	89
Saudi Arabia		59	555	0		561	4 919	6 094
Senegal	1 389	762		1 350	125	148	8 200	11 973
Serbia		7 873	2 874			665	6 886	18 297
Seychelles							10	10
Sierra Leone	81	27		1 050	272		3 089	4 518
Singapore							26	26
Slovakia		1 643	2 133	0		166	3 020	6 962
Slovenia		430	158	0		89	515	1 193
Solomon Islands				3	268		400	670
Somalia	228	75	1	1			609	914
South Africa	18 220	15 300	2 109	3		2 547	13 577	51 756
South Sudan		131					3 012	3 143
Spain		4 214	8 144	739		2 052	59 309	74 458
Sri Lanka	855	314		5 121		65	6 301	12 656
Sudan	5 192	14	751	34		494	15 912	22 397
Suriname	124	0		286	1		144	555
Sweden		13	3 214	0		877	5 621	9 725
Switzerland		220	527			490	2 583	3 820

TABLE 19.
PRODUCTION OF PRIMARY CROPS MAIN COMMODITIES, 2020 (THOUSAND TONNES) (CONTINUED)

COUNTRY	SUGAR CANE	MAIZE	WHEAT	RICE, PADDY	OIL PALM FRUIT	POTATOES	OTHER CROPS	TOTAL
Syrian Arab Republic		227	2 848			647	8 341	12 064
Tajikistan		182	846	99		986	4 389	6 503
Thailand	74 968	4 806	1	30 231	15 657	127	49 539	175 328
Timor-Leste		75		69		1	143	289
Togo		885		160	586		3 038	4 668
Tonga							104	104
Trinidad and Tobago		5		1			124	130
Tunisia			1 042			450	8 352	9 844
Türkiye		6 500	20 500	980		5 200	91 776	124 956
Turkmenistan		43	1 320	150		304	2 231	4 047
Tuvalu							3	3
Uganda	5 778	2 750	25	200		309	17 137	26 199
Ukraine		30 290	24 912	61		20 838	49 826	125 928
United Arab Emirates		16				4	596	616
United Kingdom of Great Britain and Northern Ireland			9 658			5 520	20 508	35 686
United Republic of Tanzania	3 620	6 711	77	4 528	76	1 078	27 071	43 160
United States of America	32 749	360 252	49 691	10 323		18 790	238 875	710 680
Uruguay	390	763	776	1 209		74	3 548	6 760
Uzbekistan		475	6 158	293		3 144	19 304	29 374
Vanuatu		1					365	366
Venezuela (Bolivarian Republic of)	2 619	1 552	1	429	503	488	5 889	11 482
Viet Nam	11 535	4 560		42 759		294	46 528	105 675
Yemen	0	40	101			233	2 189	2 563
Zambia	4 827	3 387	192	35		80	5 284	13 804
Zimbabwe	3 590	1 202	150	1		15	1 642	6 601

Source: FAO. 2022. FAOSTAT: Production: Crops and livestock products. In: FAO. Rome. Cited October 2022.
<https://www.fao.org/faostat/en/#data/QCL>

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

COUNTRY	2019					TOTAL VEGETABLE OILS		
	OIL, PALM	OIL, SOYBEAN	OIL, RAPESEED	OIL, SUNFLOWER	OTHER	2000	2010	2019
World	74 583	59 904	24 408	20 055	28 552	92 236	147 981	207 502
Africa	3 091	1 177	62	690	3 395	4 812	5 872	8 416
Americas	4 791	33 377	5 658	1 926	4 092	25 424	34 585	49 843
Asia	66 100	21 062	7 811	2 058	18 103	45 949	83 004	115 134
Europe	0	4 285	10 493	15 373	2 772	15 235	23 476	32 923
Oceania	601	4	384	8	189	815	1 045	1 186
Afghanistan				3	38	17	6	41
Albania		0		0	11	2	9	12
Algeria		10	8	3	117	41	62	137
Andorra								
Angola	55			4	38	63	87	97
Antigua and Barbuda					0	0	0	0
Argentina		8 081	1	1 415	191	5 419	8 272	9 687
Armenia				0	0		1	0
Australia		4	384	8	48	319	393	444
Austria		27	139	72	2	130	198	240
Azerbaijan		0		32	21	10	46	53
Bahamas								
Bahrain								
Bangladesh		293	126		57	232	215	475
Barbados		5			0	4	4	5
Belarus		83	301	22	6	17	160	412
Belgium		32	585	36	198	647	699	851
Belize		2			0		0	2
Benin	78	19			78	62	75	176
Bhutan								
Bolivia (Plurinational State of)		523		79	12	215	387	613
Bosnia and Herzegovina		7	3	39	0	2	37	49
Botswana					0	2	0	0
Brazil	401	11 263	17	196	595	4 510	7 722	12 472
Brunei Darussalam								
Bulgaria		0	23	525	8	162	193	555
Burkina Faso					92	23	62	92
Burundi	18				5	4	16	23
Cabo Verde								
Cambodia	90	22			18	13	60	129
Cameroon	300				126	191	413	426
Canada		360	4 187	20	75	1 694	2 828	4 642
Central African Republic	0				30	36	42	30
Chad					84	40	44	84
Chile		14	72	1	18	33	36	104
China	112	15 998	3 070	254	3 946	11 038	19 445	23 380
Colombia	1 528	146	0	1	122	661	905	1 796

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

COUNTRY	2019					TOTAL VEGETABLE OILS		
	OIL, PALM	OIL, SOYBEAN	OIL, RAPESEED	OIL, SUNFLOWER	OTHER	2000	2010	2019
Comoros					5	5	5	5
Congo	28				3	19	28	31
Costa Rica	248	47			21	184	286	315
Côte d'Ivoire	510				101	334	436	611
Croatia		8	21	19	4	43	57	51
Cuba		21			1	6	29	21
Cyprus						4	2	
Czechia			478	90	2	225	334	570
Democratic People's Republic of Korea		28			34	62	72	62
Democratic Republic of the Congo	294				36	218	208	330
Denmark			241		0	158	212	241
Djibouti								
Dominica					1	1	1	1
Dominican Republic	54	5			17	37	54	75
Ecuador	420	6			35	245	426	461
Egypt		653		14	86	142	345	753
El Salvador					3	6	3	3
Equatorial Guinea	6				0	6	5	6
Eritrea					1	0	1	1
Estonia			51	1	1	6	19	53
Eswatini					0	0	0	0
Ethiopia		1	14		45	21	48	60
Fiji					4	8	5	4
Finland		5	50	5	0	95	125	60
France		144	1 665	533	84	1 268	2 603	2 426
Gabon	3	1			0	7	3	3
Gambia	4				18	33	23	22
Georgia				1	0	2	8	1
Germany		624		99	18	2 827	3 660	741
Ghana	257				139	156	242	396
Greece		50	6	71	318	565	458	445
Grenada					0	0	0	0
Guatemala	880	7			87	78	211	973
Guinea	50				212	102	124	262
Guinea-Bissau	6				20	18	23	26
Guyana					3	2	1	3
Haiti					0	0	0	0
Honduras	707	0			86	110	391	794
Hungary		26	82	687	41	197	287	835
Iceland	0	0	0	0	0			0
India		1 438	2 543	68	2 037	5 483	7 865	6 087
Indonesia	42 869	511		7	5 513	8 873	25 615	48 900
Iran (Islamic Republic of)		329	131	32	35	171	127	527

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

COUNTRY	2019					TOTAL VEGETABLE OILS		
	OIL, PALM	OIL, SOYBEAN	OIL, RAPESEED	OIL, SUNFLOWER	OTHER	2000	2010	2019
Iraq		0		12	9	17	14	21
Ireland		4			0	10	10	4
Israel		72	21	3	19	129	108	115
Italy		413	27	150	444	1 123	1 137	1 034
Jamaica		0			10	6	6	10
Japan	0	489	1 015	0	141	1 822	1 599	1 644
Jordan					34	30	25	34
Kazakhstan		23	69	320	56	55	226	468
Kenya				2	23	24	25	24
Kiribati					6	0	2	6
Kuwait		0			1	0	1	1
Kyrgyzstan			0	0	9	9	18	10
Lao People's Democratic Republic		0			6	4	8	7
Latvia		0	60	0	0	1	54	60
Lebanon		54		6	36	21	44	96
Lesotho								
Liberia	42				2	47	46	44
Libya					8	10	15	8
Lithuania		0	103		0	4	14	104
Luxembourg						3	1	
Madagascar	4				7	19	18	11
Malawi		16		7	58	18	52	80
Malaysia	19 858	118	14	2	2 378	12 408	19 143	22 370
Maldives						1	0	
Mali					97	68	48	97
Malta						0	0	
Marshall Islands								
Mauritania					0	1	0	0
Mauritius					0	0	0	0
Mexico	107	875	538	11	289	945	1 208	1 819
Micronesia (Federated States of)					3	3	3	3
Mongolia								
Montenegro					0		0	0
Morocco		4	1	14	220	134	235	238
Mozambique		4		5	80	86	80	89
Myanmar		18		67	368	283	741	453
Namibia				0	0	1	1	0
Nauru								
Nepal		19	25		9	27	26	53
Netherlands		635	101	215	0	1 209	1 248	951
New Zealand					3	2	1	3
Nicaragua	75	2			158	17	33	235
Niger					38	18	29	38

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

COUNTRY	2019					TOTAL VEGETABLE OILS		
	OIL, PALM	OIL, SOYBEAN	OIL, RAPESEED	OIL, SUNFLOWER	OTHER	2000	2010	2019
Nigeria	1 220	92			582	1 608	1 437	1 894
North Macedonia		0	0	3	2	2	5	5
Norway		82	5	0	0	76	81	87
Oman					12	2	4	12
Pakistan		397	422	52	359	713	1 080	1 230
Palau								
Panama	51	6			0	12	25	57
Papua New Guinea	578				85	425	582	663
Paraguay	4	704	22	14	26	193	455	771
Peru	220	1			25	41	84	247
Philippines	130	28			1 225	1 463	1 876	1 383
Poland						348	962	
Portugal		192		104	158	238	358	454
Qatar								
Republic of Korea		190	2		101	247	230	293
Republic of Moldova		6	2	151	9	22	100	167
Romania		63	147	533	2	325	425	745
Russian Federation		741	564	5 418	42	1 416	3 005	6 765
Rwanda					8	1	3	8
Saint Kitts and Nevis					0	0	0	0
Saint Lucia					0	2	0	0
Saint Vincent and the Grenadines		1			0	0	1	1
Samoa					5	6	5	5
San Marino								
Sao Tome and Principe	4				1	2	4	5
Saudi Arabia		134			57	15	82	191
Senegal	14				189	171	181	203
Serbia		55	4	234	4		231	297
Seychelles					0	0	0	0
Sierra Leone	89				29	46	73	118
Singapore		4			10	12	8	14
Slovakia			93	13	1	59	100	106
Slovenia						0	4	
Solomon Islands	23				12	44	34	35
Somalia					1	9	2	1
South Africa		222	40	219	102	409	460	583
South Sudan				16	28			44
Spain		580	66	493	1 177	1 977	2 475	2 316
Sri Lanka		1			66	46	67	66
Sudan				30	212			242
Suriname	0				1	1	1	2
Sweden			123		1	104	139	124
Switzerland		3	32	8	3	51	44	45

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

COUNTRY	2019					TOTAL VEGETABLE OILS		
	OIL, PALM	OIL, SOYBEAN	OIL, RAPESEED	OIL, SUNFLOWER	OTHER	2000	2010	2019
Syrian Arab Republic		1		0	159	260	366	160
Tajikistan				9	17	23	15	25
Thailand	3 040	440		11	326	860	1 713	3 817
Timor-Leste					1	0	0	1
Togo	105				28	27	89	133
Tonga					7	1	3	7
Trinidad and Tobago		0			1	14	3	1
Tunisia		101		2	241	119	247	344
Türkiye		229	61	1 100	527	1 034	1 268	1 917
Turkmenistan					45	31	60	45
Tuvalu					0	0	0	0
Uganda		6		84	50	72	147	140
Ukraine	0	345	147	5 836	11	1 012	3 096	6 339
United Arab Emirates		2	311		0		314	313
United Kingdom of Great Britain and Northern Ireland		128	764		40	806	936	933
United Republic of Tanzania	5			277	111	112	179	393
United States of America		11 290	813	187	2 236	10 806	11 040	14 526
Uruguay		14	10	0	9	19	19	33
Uzbekistan		3	0	80	172	316	286	255
Vanuatu					10	2	11	10
Venezuela (Bolivarian Republic of)	97	4		1	69	160	153	170
Viet Nam		222			208	180	186	430
Yemen					9	11	11	9
Zambia		39		14	11	14	23	65
Zimbabwe		8		2	34	80	56	44

Source: FAO. 2022. FAOSTAT: Production: Crops and livestock products. In: *FAO*. Rome. Cited October 2022.

<https://www.fao.org/faostat/en/#data/QCL>

TABLE 21.
PRODUCTION OF RAW SUGAR (THOUSAND TONNES)

COUNTRY	2000	2005	2010	2014	2015	2016	2017	2018	2019
World	132 551	141 781	153 871	180 030	174 628	178 353	177 978	181 563	179 462
Africa	9 438	10 148	10 231	10 965	10 771	10 671	11 324	11 541	11 871
Americas	45 815	56 168	65 559	67 104	64 899	70 837	67 215	57 896	56 835
Asia	45 738	43 078	52 115	69 539	70 214	65 325	62 635	78 494	77 397
Europe	25 723	26 818	21 272	27 762	23 673	26 225	31 656	28 828	28 632
Oceania	5 837	5 570	4 694	4 661	5 071	5 295	5 148	4 804	4 727
Afghanistan	1	1	2	2	1	0	0	1	1
Albania	3	3	4	4	3	3	3	3	3
Algeria									
Andorra									
Angola	30	30	50	50	40	56	68	75	100
Antigua and Barbuda									
Argentina	1 558	2 139	2 038	2 192	2 106	2 151	1 857	1 850	1 893
Armenia		2	4	7	7	7	7	7	9
Australia	5 448	5 234	4 519	4 364	4 816	5 058	4 939	4 605	4 517
Austria	447	489	465	514	426	521	516	336	340
Azerbaijan		4	9	18	18	21	28	26	53
Bahamas									
Bahrain									
Bangladesh	134	115	66	139	84	63	127	87	100
Barbados	58	38	26	16	11	7	10	12	8
Belarus	201	434	458	518	491	592	600	637	639
Belgium	1 023	999	747	888	732	696	1 052		
Belize	122	106	88	123	142	146	178	178	198
Benin	5	6	5	3	2	2	1	1	1
Bhutan									
Bolivia (Plurinational State of)	345	403	456	433	390	396	522	560	508
Bosnia and Herzegovina	0	0	0	0	0	0	0	0	
Botswana									
Brazil	17 100	29 500	39 872	37 313	35 194	40 534	36 745	28 001	27 732
Brunei Darussalam									
Bulgaria	2	5	0	0	0	0	0		
Burkina Faso	30	40	40	27	42	30	25	25	28
Burundi	26	23	14	25	25	24	26	26	24
Cabo Verde									
Cambodia	9	7	10	80	135	155	155	150	120
Cameroon	82	115	116	121	127	125	130	130	130
Canada	121	103	94	96	102	130	136	136	140
Central African Republic	14	12	11	11	12	12	11	11	12
Chad	32	35	38	33	35	34	33	33	21
Chile	482	397	280	272	259	222	267	262	201
China	7 021	9 666	11 423	14 741	11 758	9 664	10 245	11 440	11 811
Colombia	2 391	2 683	2 078	2 379	2 355	2 091	2 234	2 335	2 204
Comoros									

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

COUNTRY	2000	2005	2010	2014	2015	2016	2017	2018	2019
Congo	42	63	73	69	75	70	70	70	70
Costa Rica	366	383	361	481	435	446	452	431	442
Côte d'Ivoire	152	180	154	179	203	196	201	214	225
Croatia	57	204	262	335	130	250	275	275	
Cuba	4 057	1 298	1 161	1 642	1 740	1 694	1 582	1 233	1 211
Cyprus									
Czechia	472	607	499	596	496	644	691	623	625
Democratic People's Republic of Korea									
Democratic Republic of the Congo	72	74	102	81	88	89	92	93	90
Denmark	595	495	372	518	337	435	431	382	400
Djibouti	0	0	0	0	0	0	0	0	0
Dominica									
Dominican Republic	461	470	525	561	496	408	561	625	506
Ecuador	516	581	497	593	576	653	590	575	561
Egypt	1 476	1 628	2 084	2 114	2 485	2 500	2 550	2 600	2 600
El Salvador	524	587	567	739	823	679	800	788	823
Equatorial Guinea									
Eritrea									
Estonia									
Eswatini	528	653	647	708	716	651	735	760	788
Ethiopia	255	358	352	397	256	380	450	289	500
Fiji	335	292	135	264	222	203	179	165	176
Finland	144	189	80	100	65	77	70	58	
France	4 590	4 550	3 953	4 018	4 692	4 310	5 648	5 801	4 897
Gabon	20	21	26	28	28	28	28	29	26
Gambia									
Georgia	3	0	0	0	0	0	0	0	
Germany	4 765	4 049	3 640	4 564	3 206	3 745	5 356	4 195	
Ghana									
Greece	400	326	84	58	27	38	40	15	9
Grenada									
Guatemala	1 632	2 015	2 336	2 734	2 877	2 703	2 740	2 693	2 963
Guinea	25	25	25	24	24	25	25	26	23
Guinea-Bissau									
Guyana	273	246	221	216	231	184	137	105	92
Haiti	10	10	10	13	13	13	13	14	14
Honduras	328	381	433	517	515	581	533	546	539
Hungary	291	521	121	115	122	144	157	117	117
Iceland								0	0
India	20 219	14 170	20 637	26 605	30 460	27 385	22 200	34 309	34 300
Indonesia	1 780	2 050	1 770	2 575	2 535	2 363	2 191	2 172	2 258
Iran (Islamic Republic of)	801	1 346	1 124	1 335	1 657	1 786	1 875	1 525	1 250
Iraq	2	0	1	1	2	1	1	0	0
Ireland	238	217	0	11	10	9	10		

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

COUNTRY	2000	2005	2010	2014	2015	2016	2017	2018	2019
Israel	0	0	0	0	0	0	0	0	
Italy	1 687	1 287	476	500	313	277	337	275	300
Jamaica	203	127	117	143	129	79	81	77	57
Japan	784	904	646	729	805	678	784	734	777
Jordan									
Kazakhstan	21	42	13	11	18	41	53	75	62
Kenya	402	488	524	593	636	640	473	491	441
Kiribati									
Kuwait									
Kyrgyzstan	63	31	15	28	25	68	100	122	100
Lao People's Democratic Republic		1	8	174	195	195	163	173	158
Latvia	63	77							
Lebanon	34	8	0	0	0	0	0	0	0
Lesotho									
Liberia	4	4	5	5	5	5	5	5	5
Libya									
Lithuania	138	136	113	159	104	146	140	147	
Luxembourg									
Madagascar	70	27	74	57	87	87	90	90	90
Malawi	207	272	281	295	290	269	240	250	252
Malaysia	108	62	45	28	2	2	2	2	1
Maldives									
Mali	29	35	34	125	95	95	100	100	114
Malta									
Marshall Islands									
Mauritania									
Mauritius	569	520	452	400	366	386	355	323	331
Mexico	4 985	5 619	4 826	6 021	5 985	6 945	7 043	6 226	6 710
Micronesia (Federated States of)									
Mongolia									
Montenegro									
Morocco	523	517	482	552	660	560	604	642	625
Mozambique	39	265	325	413	349	294	363	346	440
Myanmar	93	38	21	26	23	24	24	26	27
Namibia									
Nauru									
Nepal	84	124	76	133	147	140	125	178	180
Netherlands	1 153	1 093	949	1 223	859	1 015	1 445	1 300	
New Zealand									
Nicaragua	391	427	489	744	694	622	734	776	758
Niger	21	22	22	22	31	21	24	25	30
Nigeria	36	35	38	15	16	23	25	30	35
North Macedonia	13	11	1	1	1	1	1	0	0
Norway				0	0	0	0	0	0

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

COUNTRY	2000	2005	2010	2014	2015	2016	2017	2018	2019
Oman									
Pakistan	2 894	3 188	3 410	5 162	5 115	7 048	6 621	5 462	4 881
Palau									
Panama	156	164	154	166	176	174	167	176	162
Papua New Guinea	54	44	40	33	33	34	30	34	35
Paraguay	135	207	254	201	136	143	147	140	143
Peru	747	695	1 038	1 203	1 119	1 148	1 081	1 183	1 196
Philippines	1 676	2 238	1 717	2 321	2 239	2 208	2 504	2 115	2 037
Poland	2 188	2 010	1 593	2 224	1 592	2 266	2 539	2 555	
Portugal	60	83	2	2	1	2	2		
Qatar									
Republic of Korea									
Republic of Moldova	111	145	103	178	92	100	129	129	90
Romania	54	74	108	218	151	150	191	108	
Russian Federation	1 667	2 718	2 782	5 249	5 743	6 045	6 665	6 273	7 310
Rwanda	4	7	10	10	5	9	10	11	10
Saint Kitts and Nevis	18	11							
Saint Lucia									
Saint Vincent and the Grenadines	2	2	2	2	2	2	2		
Samoa									
San Marino									
Sao Tome and Principe									
Saudi Arabia									
Senegal	90	90	102	114	133	139	157	160	160
Serbia			536	642	358	529	548	510	450
Seychelles									
Sierra Leone	7	6	8	6	6	6	6	8	8
Singapore									
Slovakia	140	264	153	232	190	223	195	209	215
Slovenia	50	63	0	0	0	0	0		
Solomon Islands									
Somalia	22	15	23	23	23	22	22	22	22
South Africa	2 729	2 507	2 188	2 192	1 684	1 607	2 064	2 258	2 295
South Sudan									
Spain	1 243	1 093	560	636	623	517	583	460	490
Sri Lanka	64	54	31	52	62	65	70	65	65
Sudan				657	591	601	644	586	542
Suriname	10	5	6	8	7	6	6	7	6
Sweden	448	439	342	420	211	371	350		
Switzerland	238	247	241	340	261	225	276	219	237
Syrian Arab Republic	109	148	233	12	5	2	3	1	3
Tajikistan									
Thailand	5 833	5 425	6 929	11 249	10 998	9 258	10 782	15 435	14 867
Timor-Leste									

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

COUNTRY	2000	2005	2010	2014	2015	2016	2017	2018	2019
Togo									
Tonga									
Trinidad and Tobago	111	33	0	0	0	0	0	0	
Tunisia	3	0	0	10	12	14	15	15	15
Türkiye	2 755	2 250	2 473	2 224	2 046	2 420	2 791	2 468	2 494
Turkmenistan	30	30	30	15	35	36	35	20	30
Tuvalu									
Uganda	137	211	269	438	498	497	510	525	514
Ukraine	1 687	2 054	1 546	2 053	1 459	1 997	2 043	1 754	1 490
United Arab Emirates									
United Kingdom of Great Britain and Northern Ireland	1 440	1 458	1 082	1 445	978	897	1 364	1 148	1 189
United Republic of Tanzania	117	278	300	300	315	329	352	371	370
United States of America	7 955	6 712	7 194	7 713	7 711	8 289	8 172	8 505	7 374
Uruguay	8	8	9	22	25	22	25	25	25
Uzbekistan	11		0	0	0	0	0	0	
Vanuatu									
Venezuela (Bolivarian Republic of)	673	740	429	559	650	370	400	437	369
Viet Nam	1 209	1 175	1 423	1 871	1 842	1 695	1 748	1 903	1 813
Yemen									
Zambia	189	232	402	421	399	391	429	448	450
Zimbabwe	585	430	335	448	412	453	392	453	483

Source: FAO. 2022. FAOSTAT: Production: Crops and livestock products. In: *FAO*. Rome. Cited October 2022.

<https://www.fao.org/faostat/en/#data/QCL>

TABLE 22.
PRODUCTION OF MEAT (THOUSAND TONNES)

COUNTRY	2020				TOTAL MEAT			
	MEAT, CHICKEN	MEAT, PIG	MEAT, CATTLE	OTHER	2000	2010	2015	2020
World	119 505	109 835	67 883	39 957	232 840	293 803	324 267	337 180
Africa	6 378	1 597	5 966	5 934	11 346	16 089	18 395	19 875
Americas	48 451	24 115	33 005	4 755	73 675	92 302	99 342	110 326
Asia	43 491	53 257	15 310	22 982	91 114	122 945	138 566	135 041
Europe	19 685	30 315	10 516	4 603	51 305	56 592	61 009	65 120
Oceania	1 499	551	3 086	1 682	5 401	5 875	6 955	6 818
Afghanistan	28		116	169	321	328	303	313
Albania	12	9	33	25	67	91	89	79
Algeria	260	0	144	394	564	635	772	799
Andorra								
Angola	52	150	105	35	149	217	287	342
Antigua and Barbuda	0	0	0	0	1	0	0	0
Argentina	2 219	655	3 168	184	4 101	4 722	5 485	6 227
Armenia	12	16	68	11	51	69	100	107
Australia	1 247	403	2 372	776	3 707	4 048	4 967	4 797
Austria	125	503	218	7	835	920	910	854
Azerbaijan	115	0	143	87	132	252	299	346
Bahamas	6	0	0	0	7	7	7	7
Bahrain	9		1	31	14	24	40	41
Bangladesh	211		194	318	449	607	663	722
Barbados	16	3	0	0	14	17	19	19
Belarus	513	403	341	5	599	971	1 148	1 261
Belgium	441	1 099	255	3	1 736	1 816	1 851	1 798
Belize	18	2	2	0	11	17	22	22
Benin	16	7	44	18	55	65	75	85
Bhutan	2	1	4	0	8	7	6	7
Bolivia (Plurinational State of)	471	113	276	61	401	703	883	922
Bosnia and Herzegovina	66	8	14	1	31	76	81	89
Botswana	4	0	28	33	58	82	73	66
Brazil	13 787	4 482	10 100	756	15 425	23 630	26 637	29 126
Brunei Darussalam	26	0	2	1	15	22	25	29
Bulgaria	87	66	17	8	484	221	210	177
Burkina Faso	45	41	108	69	167	262	247	263
Burundi	7	10	11	9	19	25	31	36
Cabo Verde	1	2	1	1	8	6	6	5
Cambodia	17	93	54	17	200	206	202	182
Cameroon	85	33	81	107	215	291	308	306
Canada	1 305	2 299	1 382	210	4 000	4 441	4 441	5 196
Central African Republic	7	20	99	61	116	158	174	187
Chad	7	3	473	337	269	478	634	819
Chile	696	574	223	95	946	1 327	1 483	1 588
China	15 824	42 102	6 049	13 168	62 058	80 899	87 614	77 143
Colombia	1 620	440	744	17	1 377	2 041	2 595	2 820

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

COUNTRY	2020				TOTAL MEAT			
	MEAT, CHICKEN	MEAT, PIG	MEAT, CATTLE	OTHER	2000	2010	2015	2020
Comoros	1		1	0	2	2	2	2
Congo	7	2	6	45	27	51	62	59
Costa Rica	138	68	90	0	186	260	264	295
Côte d'Ivoire	73	12	34	199	196	251	271	318
Croatia	57	110	43	6	130	219	210	216
Cuba	16	128	67	12	236	282	326	223
Cyprus	27	42	5	5	101	96	79	78
Czechia	161	221	74	5	785	603	505	461
Democratic People's Republic of Korea	32	110	21	171	256	324	345	334
Democratic Republic of the Congo	10	26	21	186	218	227	242	243
Denmark	165	1 596	122	3	1 985	1 993	1 872	1 886
Djibouti			6	5	11	11	11	11
Dominica	0	0	1	0	1	1	1	1
Dominican Republic	313	61	66	2	342	461	488	442
Ecuador	331	226	233	17	497	806	884	808
Egypt	1 339	1	311	547	1 384	1 908	2 221	2 197
El Salvador	152	7	17	0	122	146	153	176
Equatorial Guinea	0	0	0	0	1	1	1	1
Eritrea	1		23	16	32	40	39	40
Estonia	22	45	10	0	53	75	83	77
Eswatini	6	1	17	2	25	25	26	26
Ethiopia	68	2	433	416	476	749	758	919
Fiji	25	4	3	1	16	22	32	33
Finland	137	175	87	10	337	387	400	409
France	1 130	2 201	1 435	599	6 324	5 810	5 654	5 365
Gabon	4	4	1	31	33	36	39	40
Gambia	2	0	4	3	6	9	9	9
Georgia	24	20	20	6	108	56	67	69
Germany	1 066	5 118	1 091	543	6 252	8 220	8 367	7 818
Ghana	72	25	31	173	171	225	270	301
Greece	237	81	35	86	470	454	462	438
Grenada	1	0	0	0	1	1	1	1
Guatemala	234	65	227	5	236	353	478	531
Guinea	12	3	105	34	53	92	120	154
Guinea-Bissau	3	14	7	3	18	24	26	27
Guyana	47	1	3	1	15	28	34	52
Haiti	9	32	48	18	93	104	105	106
Honduras	194	10	64	1	141	206	252	268
Hungary	354	456	29	145	1 176	870	989	985
Iceland	9	7	5	14	24	30	33	34
India	3 551	336	917	2 672	4 449	6 089	7 130	7 475
Indonesia	3 708	241	516	209	1 695	2 366	3 050	4 673
Iran (Islamic Republic of)	2 219		526	365	1 555	2 423	2 860	3 111

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

COUNTRY	2020				TOTAL MEAT			
	MEAT, CHICKEN	MEAT, PIG	MEAT, CATTLE	OTHER	2000	2010	2015	2020
Iraq	157		33	65	153	166	175	255
Ireland	152	320	633	80	1 018	941	1 027	1 185
Israel	578	15	146	100	499	685	763	839
Italy	1 067	1 287	732	346	3 911	4 066	3 692	3 432
Jamaica	124	8	7	1	99	115	128	139
Japan	2 348	1 306	477	7	2 991	3 233	3 875	4 138
Jordan	200		31	23	139	218	232	254
Kazakhstan	229	87	522	323	575	835	922	1 161
Kenya	69	26	244	254	383	686	752	593
Kiribati	1	1		0	1	2	2	2
Kuwait	63		2	55	69	79	103	120
Kyrgyzstan	10	14	114	101	196	188	218	239
Lao People's Democratic Republic	36	98	37	29	73	130	158	200
Latvia	35	37	16	1	62	80	85	89
Lebanon	126	1	44	8	174	140	167	179
Lesotho	2	1	2	6	11	9	12	10
Liberia	15	14	1	10	20	31	34	41
Libya	130		7	48	141	183	175	185
Lithuania	97	80	43	1	189	197	242	222
Luxembourg	0	12	10	0	22	20	22	23
Madagascar	51	27	35	48	126	150	160	161
Malawi	109	226	56	60	63	112	310	451
Malaysia	1 532	221	37	76	893	1 547	1 911	1 867
Maldives				1	1	1	1	1
Mali	58	1	71	53	113	117	130	182
Malta	4	5	1	0	18	15	13	10
Marshall Islands								
Mauritania	5	0	30	86	81	100	117	120
Mauritius	48	1	1	1	26	51	50	50
Mexico	3 579	1 652	2 081	224	4 464	5 828	6 352	7 537
Micronesia (Federated States of)	0	1	0	0	1	1	1	1
Mongolia	0	0	158	466	288	203	374	625
Montenegro	4	3	6	1		11	11	14
Morocco	822	1	282	343	605	1 033	1 222	1 447
Mozambique	115	92	16	6	172	150	205	229
Myanmar	1 500	1 127	456	382	468	1 991	3 002	3 465
Namibia	11	7	32	23	97	77	75	73
Nauru	0	0			0	0	0	0
Nepal	65	29	50	268	237	299	354	412
Netherlands	996	1 662	433	19	2 880	2 553	2 914	3 109
New Zealand	217	45	701	491	1 303	1 332	1 431	1 454
Nicaragua	140	12	152	2	108	234	257	308
Niger	20	2	69	106	116	159	175	196

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

COUNTRY	2020				TOTAL MEAT			
	MEAT, CHICKEN	MEAT, PIG	MEAT, CATTLE	OTHER	2000	2010	2015	2020
Nigeria	238	303	326	583	1 053	1 399	1 424	1 450
North Macedonia	1	15	4	3	25	23	21	23
Norway	102	131	86	42	270	341	341	361
Oman	7		15	66	32	63	76	88
Pakistan	1 657		1 179	1 901	1 701	2 654	3 335	4 737
Palau								
Panama	212	41	71	0	172	235	297	324
Papua New Guinea	7	83	3	414	346	443	493	507
Paraguay	72	66	516	7	312	418	548	660
Peru	1 723	170	184	80	801	1 386	1 749	2 157
Philippines	1 394	1 500	115	134	2 079	2 906	3 376	3 142
Poland	2 200	1 985	559	471	2 888	3 584	4 167	5 216
Portugal	297	379	98	72	760	839	842	847
Qatar	35		2	6	12	21	27	43
Republic of Korea	962	1 403	287	91	1 649	2 017	2 416	2 743
Republic of Moldova	45	74	8	3	88	111	131	130
Romania		388	87	55	993	1 016	1 091	530
Russian Federation	4 577	4 282	1 634	730	4 453	7 167	9 565	11 222
Rwanda	19	14	35	42	37	85	113	109
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	2	1		5	5	5	3
San Marino								
Sao Tome and Principe	1	1	0	0	1	1	1	1
Saudi Arabia	900		42	247	643	761	809	1 189
Senegal	123	19	77	68	114	167	230	288
Serbia	114	304	67	33		474	463	517
Seychelles	0	0	0	0	2	1	1	1
Sierra Leone	20	1	9	16	17	39	44	47
Singapore	96	28	0	4	113	113	104	128
Slovakia		70	11	1	279	177	127	82
Slovenia	67	29	37	8	147	143	121	140
Solomon Islands	0	3	1		3	3	4	4
Somalia	4	0	55	135	172	189	194	194
South Africa	1 873	302	1 039	233	1 644	2 784	3 276	3 447
South Sudan	20		145	87			180	252
Spain	1 401	5 003	678	356	4 913	5 444	6 057	7 438
Sri Lanka	224	2	22	5	99	139	194	253
Sudan	80		389	534			938	1 004
Suriname	10	2	2	1	7	16	13	14
Sweden	167	248	143	10	543	539	550	567
Switzerland	103	224	144	11	413	472	479	482

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

COUNTRY	2020				TOTAL MEAT			
	MEAT, CHICKEN	MEAT, PIG	MEAT, CATTLE	OTHER	2000	2010	2015	2020
Syrian Arab Republic	125		64	164	347	421	343	353
Tajikistan	4	1	166	62	29	73	139	233
Thailand	1 782	894	113	83	2 044	2 396	2 809	2 871
Timor-Leste	1	13	1	20	23	32	35	35
Togo	43	20	6	20	37	65	76	90
Tonga	0	2	0	0	2	2	2	2
Trinidad and Tobago	64	2	1	0	42	70	52	67
Tunisia	144	0	42	160	242	286	347	346
Türkiye	2 138		962	175	1 163	2 262	3 117	3 275
Turkmenistan	20	0	144	138	150	281	306	302
Tuvalu	0	0			0	0	0	0
Uganda	70	131	164	74	266	425	444	439
Ukraine	1 344	697	345	100	1 688	2 086	2 351	2 487
United Arab Emirates	51		18	104	94	131	155	173
United Kingdom of Great Britain and Northern Ireland	1 784	984	932	474	3 511	3 533	3 831	4 174
United Republic of Tanzania	87	15	487	97	339	405	520	686
United States of America	20 490	12 845	12 357	3 018	37 565	41 953	43 273	48 711
Uruguay	30	11	507	34	592	653	612	581
Uzbekistan	66	5	962	182	504	818	1 141	1 215
Vanuatu	1	3	2	0	7	8	7	6
Venezuela (Bolivarian Republic of)	406	127	409	10	1 257	1 761	1 447	952
Viet Nam	1 146	3 550	374	319	1 992	3 986	4 708	5 389
Yemen	195		90	133	168	323	379	417
Zambia	52	29	199	53	137	266	284	332
Zimbabwe	67	10	53	64	189	216	201	194

Source: FAO. 2022. FAOSTAT: Production: Crops and livestock products. In: *FAO*. Rome. Cited October 2022.
<https://www.fao.org/faostat/en/#data/QCL>

TABLE 23.
PRODUCTION OF MILK (THOUSAND TONNES)

COUNTRY	2000	2005	2010	2015	2016	2017	2018	2019	2020
World	579 671.9	650 187.2	724 142.4	812 923.7	822 243.2	842 919.3	866 350.2	876 827.4	886 861.8
Africa	29 925.3	39 962.9	45 769.1	46 750.3	47 717.9	48 026.0	48 199.3	49 905.2	51 082.6
Americas	143 119.4	153 648.0	171 933.8	186 257.0	185 411.1	187 955.6	191 356.8	192 103.8	196 645.2
Asia	170 303.2	218 520.9	267 635.2	323 181.8	332 922.2	348 826.3	365 576.6	372 404.6	374 075.8
Europe	213 175.5	213 223.8	212 747.4	225 284.3	224 973.1	227 296.0	229 959.6	231 812.7	234 368.3
Oceania	23 148.5	24 831.7	26 056.9	31 450.3	31 218.9	30 815.4	31 257.8	30 601.0	30 689.9
Afghanistan	1 651.3	1 737.7	1 721.0	2 177.3	2 168.3	2 099.3	2 153.9	2 111.8	2 137.1
Albania	948.0	1 076.0	1 070.0	1 131.0	1 146.1	1 156.3	1 144.4	1 112.2	1 052.2
Algeria	1 926.6	2 490.9	3 177.8	3 510.9	3 654.9	3 595.5	3 243.6	3 343.5	3 354.7
Andorra									
Angola	195.0	202.2	198.6	215.0	217.9	217.7	218.8	218.2	219.7
Antigua and Barbuda	5.7	6.1	2.9	2.9	3.1	3.1	2.6	3.1	3.1
Argentina	10 121.3	9 908.9	10 626.3	12 060.9	10 292.2	10 097.5	10 526.6	10 339.9	11 113.2
Armenia	452.1	594.6	600.9	728.6	754.2	758.2	697.7	667.9	654.3
Australia	10 847.0	10 127.0	9 023.0	9 489.0	10 019.9	9 331.5	9 289.0	8 795.0	8 797.0
Austria	3 257.3	3 135.9	3 285.9	3 568.9	3 660.0	3 747.8	3 860.0	3 820.1	3 852.3
Azerbaijan	1 031.1	1 251.8	1 535.8	1 924.5	2 009.9	2 024.1	2 080.4	2 150.8	2 192.5
Bahamas	1.6	2.1	2.5	2.8	2.8	2.8	2.8	2.8	2.8
Bahrain	19.4	15.3	14.4	13.1	12.1	11.7	11.1	12.1	11.8
Bangladesh	2 430.6	2 914.1	3 666.1	3 563.8	3 556.5	3 571.5	3 596.6	3 650.2	3 578.4
Barbados	7.9	6.3	6.7	5.2	4.5	4.9	4.8	4.7	5.3
Belarus	4 489.6	5 675.6	6 624.6	7 046.8	7 140.0	7 320.8	7 344.5	7 393.6	7 765.3
Belgium	3 691.4	3 030.3	3 075.1	4 006.9	3 906.7	4 058.3	4 236.0	4 337.0	4 494.0
Belize	1.4	3.8	3.3	5.7	4.4	4.8	5.0	4.6	4.5
Benin	96.2	108.9	123.5	138.9	142.2	145.7	149.1	152.7	156.4
Bhutan	222.6	233.6	209.7	191.5	191.5	191.7	189.2	191.5	179.8
Bolivia (Plurinational State of)	276.8	361.9	475.7	620.0	594.1	608.0	604.4	598.4	602.3
Bosnia and Herzegovina	559.5	667.7	734.5	711.7	715.7	696.3	692.4	656.1	645.0
Botswana	486.7	430.1	487.8	351.3	325.6	241.8	248.1	291.1	280.1
Brazil	20 644.8	25 648.4	31 883.5	35 900.9	34 947.6	34 576.6	35 203.0	36 256.3	36 806.8
Brunei Darussalam	0.4	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2
Bulgaria	1 706.7	1 508.1	1 277.7	1 152.6	1 148.7	1 091.5	1 025.2	939.5	1 005.5
Burkina Faso	203.2	266.1	301.9	437.8	455.5	467.1	434.7	448.9	451.8
Burundi	41.1	40.1	70.8	102.6	127.9	122.6	126.9	107.9	119.3
Cabo Verde	9.7	14.6	10.8	11.4	11.9	8.7	8.7	8.8	9.7
Cambodia	24.0	25.2	27.3	24.1	24.1	24.4	24.1	23.9	24.1
Cameroon	219.7	227.7	241.6	250.6	252.9	251.8	252.3	251.9	253.3
Canada	8 161.0	7 806.0	7 666.0	8 160.1	8 440.9	8 968.6	9 218.8	9 210.5	9 331.1
Central African Republic	63.3	66.5	75.0	78.4	79.6	78.6	79.5	80.5	81.5
Chad	227.5	248.3	304.6	362.2	368.5	391.9	381.7	388.7	395.9
Chile	2 000.2	2 309.9	2 540.5	2 036.6	1 998.9	1 998.7	2 162.3	2 151.4	2 283.5
China	12 374.0	32 023.1	41 155.1	36 480.4	35 364.9	35 045.5	35 477.7	36 795.1	39 219.5
Colombia	6 148.1	6 319.9	6 285.1	6 773.8	6 506.6	7 481.4	7 362.3	6 825.5	7 071.4
Comoros	12.6	12.4	13.2	13.3	13.3	13.4	13.4	13.4	13.4

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

COUNTRY	2000	2005	2010	2015	2016	2017	2018	2019	2020
Congo	2.9	3.5	3.7	3.8	4.0	4.2	4.0	4.1	4.1
Costa Rica	721.9	779.5	951.7	1 101.7	1 137.5	1 144.4	1 161.6	1 189.1	1 201.5
Côte d'Ivoire	25.9	28.7	31.3	31.9	32.5	33.0	33.6	34.1	34.8
Croatia	615.5	812.9	784.9	707.0	689.1	668.3	634.0	615.0	612.0
Cuba	615.2	354.8	632.5	496.7	617.6	541.1	581.9	517.3	459.1
Cyprus	193.8	193.4	191.9	213.6	253.6	279.0	294.7	310.4	347.4
Czechia	2 797.0	2 820.3	2 694.4	3 038.6	3 078.2	3 092.7	3 176.7	3 170.6	3 282.4
Democratic People's Republic of Korea	90.0	82.2	93.2	83.1	83.4	83.5	83.5	83.8	84.2
Democratic Republic of the Congo	6.4	6.1	7.5	7.2	7.3	7.5	7.7	8.0	8.2
Denmark	4 719.8	4 584.0	4 909.4	5 356.3	5 455.0	5 557.2	5 615.2	5 615.0	5 666.0
Djibouti	13.9	14.8	14.7	14.9	15.0	14.9	15.0	15.0	15.0
Dominica	6.7	6.7	7.5	7.0	7.0	7.0	7.1	7.1	7.1
Dominican Republic	400.0	461.4	529.6	672.2	774.5	858.2	894.8	916.5	891.5
Ecuador	1 814.6	1 728.7	2 155.4	1 856.3	1 906.4	1 855.5	1 872.4	1 857.6	1 792.8
Egypt	3 783.3	5 210.4	5 762.8	5 231.8	5 074.2	5 423.4	5 197.2	5 250.7	5 089.5
El Salvador	386.8	447.6	457.7	539.3	493.9	461.8	403.9	356.9	407.5
Equatorial Guinea									
Eritrea	74.1	119.6	130.1	130.7	135.9	145.9	146.0	146.0	146.1
Estonia	629.6	670.4	676.0	783.2	783.2	790.6	797.6	821.5	849.0
Eswatini	37.5	38.7	39.9	39.7	39.4	39.6	40.0	40.1	40.2
Ethiopia	1 026.3	2 321.4	4 406.2	3 547.5	3 409.1	3 743.4	3 671.0	4 195.9	5 058.8
Fiji	56.0	57.0	13.8	12.6	14.2	13.0	11.8	10.8	12.4
Finland	2 450.1	2 433.2	2 336.3	2 435.8	2 429.6	2 405.8	2 397.9	2 374.4	2 406.5
France	23 885.2	23 938.0	24 205.6	25 934.8	26 572.0	26 509.1	26 022.5	26 036.3	26 152.1
Gabon	10.4	10.2	13.3	14.2	13.9	14.0	14.0	14.0	14.0
Gambia	60.3	68.2	70.3	78.9	74.3	76.5	77.4	77.9	78.4
Georgia	618.9	758.9	593.7	572.7	546.4	534.6	568.5	574.7	582.2
Germany	28 353.2	28 481.2	29 646.0	32 707.9	32 700.4	32 626.5	33 109.7	33 102.6	33 188.9
Ghana	36.8	38.8	37.9	42.7	44.1	45.5	45.8	46.2	45.9
Greece	2 011.7	2 054.4	2 044.1	1 971.5	1 910.2	1 921.2	1 844.9	1 959.4	1 990.3
Grenada	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6
Guatemala	269.7	414.1	465.8	521.3	532.2	545.8	559.1	507.4	515.2
Guinea	95.9	120.8	181.8	227.9	239.8	252.3	232.3	279.3	231.4
Guinea-Bissau	26.8	29.5	37.6	38.3	39.4	39.5	39.8	41.1	41.7
Guyana	30.1	27.3	28.0	55.3	55.0	55.0	55.0	55.0	55.0
Haiti	91.7	97.9	103.5	110.0	114.4	107.4	96.8	101.3	104.0
Honduras	571.1	663.1	714.2	671.9	674.1	675.4	678.2	680.8	683.4
Hungary	2 157.0	1 936.9	1 690.6	1 946.7	1 923.8	1 973.0	1 953.8	1 967.4	2 019.0
Iceland	104.0	109.4	123.2	146.0	150.3	155.6	157.0	156.4	155.5
India	79 868.0	95 837.9	122 067.7	155 699.8	165 340.4	176 284.8	187 976.7	187 630.9	183 955.5
Indonesia	1 010.9	1 060.9	1 494.0	1 463.6	1 517.8	1 545.7	1 549.0	1 560.2	1 574.5
Iran (Islamic Republic of)	5 889.2	7 179.0	7 438.0	6 413.2	6 755.6	7 700.8	7 529.1	7 531.4	8 364.0
Iraq	534.7	336.8	372.3	369.1	375.8	384.0	390.9	397.1	404.2

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

COUNTRY	2000	2005	2010	2015	2016	2017	2018	2019	2020
Ireland	5 159.8	5 061.3	5 327.0	6 585.1	6 851.4	7 478.2	7 831.3	8 244.9	8 561.5
Israel	1 217.2	1 216.3	1 332.2	1 436.7	1 531.4	1 556.4	1 635.0	1 584.0	1 605.6
Italy	13 299.2	11 862.6	11 134.6	11 785.2	11 428.9	12 028.6	13 131.6	13 300.1	13 509.5
Jamaica	181.2	178.8	190.5	200.2	202.8	205.5	205.5	202.3	205.0
Japan	8 500.6	8 287.9	7 722.9	7 381.9	7 396.4	7 279.2	7 291.9	7 316.3	7 441.0
Jordan	171.7	277.9	289.4	369.2	380.4	401.9	424.6	457.3	427.9
Kazakhstan	3 737.2	4 770.8	5 381.3	5 182.2	5 335.5	5 496.1	5 678.4	5 856.0	6 042.0
Kenya	2 736.8	4 230.5	4 849.9	4 556.4	5 255.8	4 727.8	4 941.7	5 456.9	5 515.7
Kiribati									
Kuwait	35.2	43.0	60.1	61.8	70.8	71.7	72.6	76.8	73.7
Kyrgyzstan	1 105.2	1 197.6	1 359.9	1 481.0	1 537.1	1 565.4	1 607.8	1 666.9	1 707.2
Lao People's Democratic Republic	6.0	6.4	7.0	7.3	7.3	7.3	7.3	7.3	7.3
Latvia	825.0	810.3	834.5	978.1	986.2	1 000.1	982.9	981.4	990.1
Lebanon	208.1	251.9	235.4	370.5	339.3	329.5	389.6	399.2	371.0
Lesotho	174.4	181.5	163.6	180.0	175.0	170.0	170.0	180.0	173.3
Liberia	7.8	7.9	8.7	9.2	9.0	9.3	9.4	9.4	9.4
Libya	164.7	172.8	220.6	225.1	228.5	230.4	224.9	227.3	231.2
Lithuania	1 724.7	1 861.6	1 736.5	1 738.5	1 627.7	1 570.7	1 571.8	1 551.1	1 491.7
Luxembourg	264.5	270.7	297.5	349.3	379.4	390.4	410.9	424.2	450.5
Madagascar	535.0	510.0	555.0	543.3	544.4	545.6	476.7	480.9	491.3
Malawi	78.5	91.1	122.0	157.5	174.8	180.1	182.5	203.0	211.2
Malaysia	37.7	50.4	76.2	84.3	45.0	44.7	46.2	48.1	50.7
Maldives									
Mali	573.3	1 102.6	1 041.2	787.3	812.8	890.5	933.4	966.8	996.0
Malta	51.6	44.5	45.0	44.2	45.9	43.8	43.2	44.1	44.9
Marshall Islands									
Mauritania	277.9	308.6	316.7	347.1	363.4	353.0	366.4	362.2	364.3
Mauritius	4.7	4.0	3.6	4.5	4.0	3.6	2.5	2.5	1.8
Mexico	9 487.1	10 082.3	10 892.1	11 609.8	11 825.2	11 986.9	12 225.6	12 494.1	12 783.7
Micronesia (Federated States of)									
Mongolia	434.6	349.1	365.8	874.4	891.5	919.5	902.4	1 074.2	1 082.4
Montenegro			142.8	179.0	176.3	177.6	177.5	174.3	175.8
Morocco	1 258.7	1 480.3	1 990.6	2 538.8	2 587.3	2 635.5	2 638.1	2 641.2	2 591.7
Mozambique	478.3	540.3	527.0	558.3	562.1	557.0	558.6	557.9	557.9
Myanmar	736.7	978.2	1 592.8	2 360.0	2 414.5	2 416.6	2 420.0	2 529.1	2 465.9
Namibia	88.5	117.5	115.0	106.9	117.7	111.7	110.5	113.4	112.0
Nauru									
Nepal	1 203.0	1 384.5	1 620.1	1 860.0	1 995.1	2 053.5	2 238.2	2 318.9	2 455.3
Netherlands	11 155.0	10 847.0	11 805.1	13 551.2	14 559.5	14 544.3	14 426.2	14 943.8	14 932.0
New Zealand	12 235.4	14 637.9	17 010.5	21 938.8	21 175.5	21 461.6	21 947.5	21 786.2	21 871.3
Nicaragua	560.0	614.1	753.3	721.4	635.9	624.7	1 311.5	1 317.8	1 399.8
Niger	644.1	801.0	967.8	1 196.8	1 253.4	1 313.0	1 375.6	1 441.6	1 511.0
Nigeria	389.0	438.5	444.7	513.1	508.0	511.4	514.3	520.5	524.7
North Macedonia	260.4	268.0	405.8	417.4	463.4	448.7	463.6	442.9	447.7

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

COUNTRY	2000	2005	2010	2015	2016	2017	2018	2019	2020
Norway	1 638.2	1 588.1	1 579.9	1 608.4	1 594.9	1 565.8	1 593.8	1 546.9	1 565.3
Oman	111.3	131.4	175.8	220.2	224.0	227.8	231.6	235.6	308.9
Pakistan	25 566.0	29 438.0	35 491.0	51 090.0	50 827.0	52 482.0	54 994.0	58 851.2	60 770.0
Palau									
Panama	170.6	181.1	198.0	211.2	205.8	212.4	208.9	188.8	213.8
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	510.0	459.8	473.9	480.1	541.0
Peru	923.1	1 257.8	1 701.4	1 927.1	1 978.0	2 037.4	2 087.6	2 141.8	2 158.5
Philippines	10.2	12.3	15.9	20.0	20.0	20.1	14.6	14.9	17.2
Poland	11 890.4	11 945.6	12 297.8	13 252.9	13 251.6	13 312.3	14 179.2	14 511.5	14 830.9
Portugal	2 203.4	2 195.2	2 028.0	2 150.2	2 061.0	2 055.4	2 040.3	2 081.9	2 099.1
Qatar	35.9	17.8	28.1	40.7	44.2	47.2	50.6	51.8	51.6
Republic of Korea	2 263.4	2 240.5	2 082.6	2 176.8	2 079.4	2 069.2	1 835.1	1 817.9	1 806.0
Republic of Moldova	573.3	658.6	591.2	519.7	504.3	485.2	412.4	367.3	329.7
Romania	4 622.1	5 552.2	4 616.2	4 676.6	4 585.8	4 439.2	4 443.3	4 339.6	4 362.5
Russian Federation	32 276.2	31 147.2	31 841.4	30 791.0	29 782.0	30 179.2	30 606.0	31 354.2	32 219.2
Rwanda	146.4	182.0	252.9	255.3	239.3	240.5	249.6	252.5	253.4
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	0.9	1.0	1.0	1.0	1.0
Samoa	1.5	1.4	1.5	2.0	1.8	1.8	1.9	1.6	1.8
San Marino									
Sao Tome and Principe	1.1	1.2	0.5	0.5	0.5	0.6	0.6	0.6	0.6
Saudi Arabia	952.5	1 295.5	1 827.5	2 398.1	2 421.3	2 444.5	2 360.2	2 682.1	2 911.2
Senegal	122.6	120.1	181.3	234.1	244.7	244.5	250.5	251.2	247.2
Serbia			1 531.7	1 610.8	1 603.7	1 599.3	1 590.0	1 597.0	1 583.7
Seychelles	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Sierra Leone	55.2	73.3	148.5	155.4	146.4	139.8	143.6	147.5	150.6
Singapore									
Slovakia	1 091.4	1 118.3	934.1	960.2	968.3	944.9	917.0	915.7	929.5
Slovenia	651.0	660.8	627.8	632.7	651.4	650.0	631.2	625.6	633.2
Solomon Islands	2.8	2.8	3.0	3.1	3.1	3.1	3.1	3.1	3.1
Somalia	2 105.0	2 286.2	2 445.2	2 195.4	2 189.2	2 149.5	2 161.7	2 205.6	2 209.2
South Africa	2 306.0	3 044.0	3 123.0	3 538.4	3 548.8	3 642.8	3 752.6	3 873.5	3 821.5
South Sudan				3 224.6	3 231.3	3 227.5	3 028.9	3 086.0	3 057.3
Spain	6 937.2	7 249.9	7 464.7	7 865.0	8 152.8	8 086.6	8 417.5	8 559.7	8 686.2
Sri Lanka	172.1	180.3	226.2	315.1	397.7	410.6	486.9	462.9	507.6
Sudan				4 452.0	4 507.0	4 553.0	4 591.0	4 623.0	4 655.2
Suriname	8.0	7.7	6.5	5.0	5.0	4.3	3.5	3.2	3.7
Sweden	3 348.0	3 208.0	2 902.1	2 933.0	2 862.0	2 816.7	2 760.2	2 704.4	2 772.7
Switzerland	3 845.6	3 893.9	4 105.9	4 070.3	3 984.5	3 921.2	3 942.7	3 821.8	3 794.6
Syrian Arab Republic	1 673.2	2 357.5	2 242.3	2 143.7	2 110.9	1 873.8	1 772.3	1 785.1	2 153.7
Tajikistan	309.8	533.0	660.8	966.5	972.2	1 003.9	1 037.1	1 054.6	1 031.9
Thailand	520.1	888.2	911.0	1 200.0	1 200.0	1 200.0	1 200.0	1 200.0	1 200.0

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

COUNTRY	2000	2005	2010	2015	2016	2017	2018	2019	2020
Timor-Leste	4.1	5.1	5.6	5.8	5.8	6.0	6.0	6.3	6.1
Togo	11.0	12.0	12.4	8.4	8.5	11.4	11.5	11.6	11.5
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	3.1	3.3	3.5	2.9	2.2
Tunisia	902.4	931.2	1 067.1	1 413.4	1 465.0	1 487.5	1 372.4	1 407.2	1 437.1
Türkiye	9 794.0	11 107.9	13 543.7	18 654.7	18 489.2	20 699.9	22 120.7	22 960.4	21 839.4
Turkmenistan	989.0	1 869.0	2 093.0	2 106.0	2 104.0	2 105.0	2 100.0	1 900.0	1 792.9
Tuvalu									
Uganda	686.0	1 317.8	1 377.0	1 596.0	1 634.0	1 614.0	2 040.0	1 724.7	1 766.4
Ukraine	12 657.8	13 714.4	11 248.6	10 615.4	10 381.5	10 520.0	10 064.2	9 663.2	9 263.9
United Arab Emirates	82.5	107.6	121.5	155.1	156.4	160.4	161.1	163.2	164.9
United Kingdom of Great Britain and Northern Ireland	14 488.0	14 473.0	14 071.0	15 324.0	14 662.0	15 267.0	15 311.0	15 540.0	15 558.0
United Republic of Tanzania	860.2	1 547.0	1 815.5	2 264.9	2 325.8	2 289.3	2 606.2	2 887.8	3 221.2
United States of America	75 953.5	80 282.6	87 521.1	94 644.9	96 392.0	97 787.3	98 713.2	99 109.1	101 277.0
Uruguay	1 421.7	1 619.0	1 820.7	2 182.0	2 026.0	2 049.0	2 173.0	2 168.0	2 205.0
Uzbekistan	3 537.2	4 554.9	6 172.8	9 027.2	9 696.5	10 036.5	10 447.9	10 662.3	10 930.1
Vanuatu	3.0	3.1	3.2	3.0	2.6	2.7	2.6	2.4	2.4
Venezuela (Bolivarian Republic of)	1 414.6	1 347.7	2 436.0	2 291.6	2 179.1	2 244.3	2 204.0	2 066.5	2 171.6
Viet Nam	81.9	229.3	338.3	751.4	823.4	909.3	963.6	1 013.5	1 076.2
Yemen	262.2	306.9	310.7	355.8	319.1	316.7	316.8	369.7	327.1
Zambia	346.8	388.8	410.0	382.5	375.6	396.7	384.9	385.7	389.1
Zimbabwe	478.8	386.3	395.6	423.4	426.6	415.4	420.5	427.0	426.8

Source: FAO. 2022. FAOSTAT: Production: Crops and livestock products. In: *FAO*. Rome. Cited October 2022.

<https://www.fao.org/faostat/en/#data/QCL>

TABLE 24.
PRODUCTION OF HEN EGGS (THOUSAND TONNES)

COUNTRY	2000	2005	2010	2015	2016	2017	2018	2019	2020
World	51 132.6	56 678.6	64 220.0	72 124.9	74 139.5	78 889.1	80 851.5	84 363.3	86 669.5
Africa	1 962.1	2 311.7	2 748.8	3 297.8	3 169.9	3 327.8	3 316.2	3 595.9	3 548.9
Americas	10 491.7	11 700.0	13 118.1	14 659.4	15 137.4	16 276.3	16 880.4	17 307.3	17 595.7
Asia	29 045.5	32 593.8	37 637.1	43 071.8	44 838.5	48 079.4	49 239.7	52 083.8	54 106.5
Europe	9 434.0	9 868.4	10 470.5	10 788.0	10 678.2	10 873.4	11 071.1	11 032.4	11 086.4
Oceania	199.3	204.8	245.5	307.9	315.5	332.3	344.1	343.9	331.9
Afghanistan	15.0	21.8	16.3	19.8	19.9	20.0	19.9	19.9	19.9
Albania	21.0	27.3	31.3	52.3	53.0	51.1	52.1	54.5	54.2
Algeria	101.0	175.0	260.5	385.4	388.2	328.5	314.0	322.1	308.5
Andorra									
Angola	4.3	5.2	5.0	5.2	5.2	5.3	5.1	5.1	5.2
Antigua and Barbuda	0.2	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.6
Argentina	326.9	388.8	554.0	765.0	802.0	813.0	829.0	830.0	873.0
Armenia	21.4	28.8	38.2	36.3	34.7	34.2	36.3	36.0	37.7
Australia	143.0	138.6	174.0	229.3	236.7	247.6	258.9	255.5	241.3
Austria	86.1	89.3	94.6	111.3	121.5	124.7	127.6	129.4	
Azerbaijan	32.6	52.5	70.7	93.2	96.6	102.8	100.6	109.6	114.4
Bahamas	0.8	1.0	0.8	0.9	0.9	0.8	0.9	0.9	0.9
Bahrain	2.7	2.0	2.8	3.0	4.1	3.3	4.1	4.4	3.9
Bangladesh	125.0	185.0	188.0	354.0	383.6	480.8	499.7	381.6	559.0
Barbados	1.3	1.4	2.2	2.4	4.3	3.4	2.9	3.8	3.3
Belarus	182.3	172.4	196.0	211.4	205.2	199.3	199.6	201.6	200.2
Belgium	194.2	179.8	168.9	148.0	154.6	138.3	96.5	113.1	115.4
Belize	1.7	1.5	2.5	2.5	3.5	2.9	3.1	3.0	2.9
Benin	4.5	10.6	9.9	14.7	14.9	15.1	15.4	15.9	16.9
Bhutan	0.4	0.2	1.1	2.8	4.3	4.8	4.0	5.8	7.1
Bolivia (Plurinational State of)	38.9	56.1	69.8	87.7	89.6	113.9	112.1	113.8	114.0
Bosnia and Herzegovina	18.2	17.6	20.8	21.7	23.0	22.2	22.0	24.1	24.8
Botswana	3.2	4.2	4.5	3.2	3.8	2.9	3.7	3.7	3.4
Brazil	1 509.5	1 674.9	1 948.0	2 260.9	2 259.6	2 882.7	3 030.3	3 150.1	3 260.9
Brunei Darussalam	4.8	5.7	7.0	7.4	8.1	8.6	8.8	9.1	9.8
Bulgaria	82.1	97.0	89.3	76.6	79.9	79.4	77.9	84.9	64.3
Burkina Faso	39.3	45.0	57.8	53.0	52.0	48.0	51.0	50.3	49.8
Burundi	3.0	3.1	3.0	2.2	2.2	2.8	2.2	2.2	2.4
Cabo Verde	1.9	1.8	2.2	2.2	2.7	2.4	2.1	2.4	2.6
Cambodia	11.7	13.3	17.6	19.0	18.7	19.5	18.7	18.7	19.0
Cameroon	13.0	13.4	15.0	15.6	15.6	15.7	15.6	15.6	15.6
Canada	372.4	399.3	451.5	497.3	531.5	551.7	570.0	585.6	604.3
Central African Republic	2.1	2.2	3.1	2.5	2.0	2.8	2.0	2.4	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	229.2	227.7	247.1	220.0	228.0
China	18 911.9	21 040.6	23 820.1	26 271.6	27 244.2	26 953.9	27 227.8	28 852.5	30 248.1
Colombia	386.4	492.0	585.0	728.6	769.0	829.7	876.4	863.0	982.9
Comoros	1.0	1.1	1.1	1.0	1.1	1.1	1.0	1.0	1.1

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

COUNTRY	2000	2005	2010	2015	2016	2017	2018	2019	2020
Congo	1.1	1.3	1.6	1.5	1.6	1.6	1.5	1.5	1.5
Costa Rica	41.0	48.2	53.5	61.1	67.1	67.3	67.5	68.5	75.4
Côte d'Ivoire	33.0	28.7	32.0	57.2	56.0	56.8	66.5	66.0	66.0
Croatia	46.5	49.4	42.3	33.3	39.8	39.2	32.4	33.4	37.4
Cuba	75.8	90.9	106.9	102.1	106.4	111.6	122.3	111.3	112.7
Cyprus	10.6	9.5	8.6	9.2	9.7	9.6	9.4	10.5	9.1
Czechia	188.0	89.5	71.1	71.6	75.5	84.4	84.7	88.4	106.8
Democratic People's Republic of Korea	110.0	130.0	114.0	127.0	130.0	128.0	128.0	121.6	127.4
Democratic Republic of the Congo	7.0	6.9	8.9	9.2	8.8	8.8	8.9	8.8	8.9
Denmark	74.3	79.8	76.4	84.1	86.2	87.9	77.0	82.0	85.0
Djibouti									
Dominica	0.3	0.3	0.3	0.2	0.2	0.3	0.2	0.3	0.3
Dominican Republic	58.7	80.2	105.7	126.7	124.6	131.9	150.2	180.4	199.8
Ecuador	72.2	75.0	110.0	164.8	170.6	168.5	168.0	169.0	168.5
Egypt	176.7	235.0	291.2	355.7	329.3	406.0	403.8	540.2	450.0
El Salvador	61.3	67.4	64.7	72.0	72.2	66.9	67.8	67.0	67.2
Equatorial Guinea	0.3	0.4	0.4	0.3	0.2	0.3	0.2	0.2	0.3
Eritrea	1.7	2.0	2.2	2.6	2.4	2.5	2.2	2.2	2.2
Estonia	15.8	13.1	11.4	12.4	12.1	12.6	12.6	9.4	10.0
Eswatini	1.1	1.3	1.2	1.3	1.3	1.4	1.3	1.3	1.3
Ethiopia	28.6	35.0	39.0	54.4	53.4	55.0	50.9	53.1	49.8
Fiji	3.2	3.8	5.7	6.7	4.9	8.1	9.1	11.3	8.2
Finland	58.5	58.2	61.5	71.5	72.6	73.6	74.9	75.6	75.8
France	987.9	930.1	946.5	970.0	816.3	877.9	994.0	926.4	984.6
Gabon	2.6	2.6	2.4	2.5	2.2	2.5	2.2	2.5	2.5
Gambia	0.7	0.8	0.8	1.0	1.0	1.0	1.0	1.0	1.0
Georgia	20.1	28.0	24.6	39.4	38.7	39.3	41.6	43.3	44.2
Germany	901.0	795.0	662.4	801.1	818.3	826.2	846.0	763.1	839.7
Ghana	22.8	25.7	36.7	46.6	47.4	46.5	46.8	46.9	46.8
Greece	116.6	110.1	99.8	105.9	87.0	87.4	74.3	80.9	
Grenada	1.0	1.1	1.4	1.4	1.4	1.4	2.1	2.8	3.0
Guatemala	81.0	191.6	219.7	259.6	266.1	273.4	275.0	275.0	274.5
Guinea	13.3	19.9	25.1	19.8	22.8	26.2	28.8	32.0	28.9
Guinea-Bissau	1.0	1.1	1.3	1.4	1.4	1.4	1.3	1.3	1.3
Guyana	1.5	1.2	0.7	1.3	1.0	1.4	1.6	2.3	3.1
Haiti	4.1	4.4	4.4	4.5	4.5	4.5	4.5	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	140.4	135.6	139.7	141.8	139.7
Iceland	2.6	2.8	2.7	3.8	4.1	4.2	4.8	5.1	4.3
India	2 035.0	2 568.0	3 378.1	4 316.6	4 561.0	4 847.5	5 236.9	6 291.1	6 292.0
Indonesia	642.0	856.6	1 121.1	1 372.8	1 485.7	4 632.8	4 688.1	4 753.4	5 044.4
Iran (Islamic Republic of)	580.0	759.0	767.0	777.1	810.0	673.7	723.6	869.4	755.6
Iraq	29.6	51.7	46.3	28.3	35.6	36.5	42.8	48.5	55.9
Ireland	32.4	37.5	45.0	49.5	51.8	54.1			

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

COUNTRY	2000	2005	2010	2015	2016	2017	2018	2019	2020
Israel	87.9	92.4	102.5	122.3	140.1	149.5	138.7	148.2	148.6
Italy	686.1	722.2	737.0	706.8	744.8	727.7	736.4	717.4	692.8
Jamaica	5.8	5.1	6.0	8.1	9.4	9.9	10.4	9.0	11.2
Japan	2 535.4	2 481.0	2 515.3	2 520.9	2 562.2	2 601.2	2 627.8	2 639.7	2 632.9
Jordan	45.8	40.6	69.3	53.2	54.7	49.6	86.3	78.9	71.6
Kazakhstan	93.8	139.4	207.3	264.3	265.4	284.8	278.8	275.7	252.4
Kenya	60.7	57.9	92.6	77.4	84.1	79.4	91.1	98.5	110.4
Kiribati	0.2	0.2	0.3	0.2	0.2	0.3	0.2	0.2	0.2
Kuwait	21.3	26.0	40.0	72.0	81.0	88.0	79.7	72.9	80.2
Kyrgyzstan	11.4	17.7	20.8	24.2	25.8	28.6	29.3	30.9	30.9
Lao People's Democratic Republic	10.0	13.0	15.0	16.1	16.3	15.0	15.7	16.7	17.3
Latvia	24.4	33.4	45.0	43.5	46.6	48.1	44.4	46.5	47.1
Lebanon	43.2	45.5	42.5	51.0	32.7	44.2	42.6	39.8	42.2
Lesotho	1.5	1.6	1.7	1.1	1.6	1.4	1.4	1.4	1.4
Liberia	4.2	4.6	5.2	6.6	6.8	6.2	6.1	6.2	6.4
Libya	60.0	73.1	72.7	68.2	68.3	73.0	72.7	70.8	72.0
Lithuania	41.5	50.9	46.4	45.6	44.5	41.7	51.1	48.2	40.6
Luxembourg	0.9	1.4	1.7	2.0	2.0	2.1	2.1	2.2	2.2
Madagascar	14.9	15.1	16.3	17.4	17.4	17.7	17.7	17.6	17.7
Malawi	19.5	20.2	20.7	22.4	22.6	23.1	23.1	22.9	23.1
Malaysia	390.6	442.0	586.6	779.2	820.7	845.2	804.8	654.5	806.9
Maldives									
Mali	20.6	20.4	23.9	25.9	16.0	15.8	14.9	22.4	18.7
Malta	5.4	5.9	5.1	4.9	4.8	5.6	5.8	5.5	5.3
Marshall Islands									
Mauritania	4.9	5.1	5.4	5.4	5.4	5.6	5.5	5.5	5.6
Mauritius	12.5	13.0	10.2	12.0	11.8	12.4	12.8	13.5	12.4
Mexico	1 787.9	2 024.7	2 381.4	2 652.5	2 720.2	2 771.2	2 871.9	2 949.8	3 016.0
Micronesia (Federated States of)	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2
Mongolia	0.4	1.2	3.0	5.6	6.7	4.8	7.6	8.9	9.5
Montenegro			3.2	5.7	5.9	6.1	6.4	6.4	6.4
Morocco	235.0	232.0	244.0	324.5	269.5	390.6	396.0	414.0	415.0
Mozambique	1.7	9.8	27.1	46.0	50.0	53.0	46.0	46.0	48.3
Myanmar	112.0	186.6	342.1	509.6	542.2	555.4	576.0	580.0	570.5
Namibia	1.6	3.0	3.4	2.5	2.6	2.9	2.6	2.6	2.6
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	64.7	66.9	74.9	76.7	80.2
Netherlands	668.0	607.0	670.0	660.6	640.0	643.0			
New Zealand	43.0	50.9	53.1	57.5	60.2	62.5	61.9	62.8	68.2
Nicaragua	19.7	20.4	24.5	33.4	42.7	37.2	35.1	35.7	37.0
Niger	7.8	8.3	7.5	9.7	9.8	10.0	10.2	10.0	10.1
Nigeria	400.0	500.4	609.1	660.0	650.0	660.0	640.0	640.0	646.7
North Macedonia	25.5	19.0	18.8	10.0	8.7	11.0	8.9	6.9	9.0
Norway	47.8	50.7	59.6	67.4	68.2	69.8	70.4	70.5	70.2

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

COUNTRY	2000	2005	2010	2015	2016	2017	2018	2019	2020
Oman	6.8	9.5	9.3	18.8	20.0	21.8	22.3	25.1	25.1
Pakistan	344.1	400.9	556.4	721.3	760.8	802.9	847.7	895.4	946.3
Palau									
Panama	12.4	28.1	24.6	35.7	35.8	37.4	38.3	35.3	37.5
Papua New Guinea	4.5	4.8	5.0	5.2	5.4	5.5	5.5	5.5	5.5
Paraguay	67.6	107.0	128.0	103.3	106.6	137.5	130.4	116.6	112.8
Peru	162.3	182.3	285.1	386.3	401.0	415.3	452.2	488.5	497.5
Philippines	243.4	320.3	387.3	444.6	461.7	492.4	533.9	583.2	605.8
Poland	423.7	536.0	618.5	582.3	589.3	594.6	645.1	657.3	642.4
Portugal	117.4	118.1	131.1	144.8	139.3	141.2	142.8	141.6	146.2
Qatar	2.7	4.1	4.5	4.5	5.0	6.0	8.0	8.0	9.1
Republic of Korea	478.8	514.9	590.0	724.1	715.7	715.0	756.5	735.2	734.5
Republic of Moldova	32.0	42.5	40.2	35.2	35.4	35.6	37.9	37.8	34.5
Romania	262.9	355.4	297.5	319.2	303.1	294.0	285.7	278.2	260.5
Russian Federation	1 894.6	2 049.9	2 260.6	2 357.2	2 412.8	2 483.7	2 486.3	2 491.5	2 492.2
Rwanda	2.2	2.7	2.9	7.3	7.5	7.5	7.8	7.8	7.7
Saint Kitts and Nevis	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.1	0.2
Saint Lucia	0.5	1.1	0.7	0.8	0.8	0.7	1.0	1.0	0.6
Saint Vincent and the Grenadines	0.5	0.8	0.6	0.6	0.6	0.7	0.6	0.6	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	280.0	283.0	344.8	348.9	351.0
Senegal	10.4	20.2	23.6	28.2	29.5	36.0	36.8	41.5	41.5
Serbia			69.5	103.0	92.6	87.9	89.8	88.7	85.3
Seychelles	2.2	1.2	1.1	1.4	1.7	0.9	1.3	1.3	1.2
Sierra Leone	5.2	4.3	11.3	11.4	11.4	11.8	11.5	11.6	11.6
Singapore	16.0	20.6	20.4	25.3	27.1	31.3	29.3	31.7	37.0
Slovakia	60.8	62.9	70.6	66.9	72.3	74.5	74.9	71.5	46.2
Slovenia	22.7	14.3	21.6	20.4	23.5	23.2	23.8	24.8	23.9
Solomon Islands	0.5	0.5	0.7	0.6	0.6	0.7	0.6	0.6	0.6
Somalia	2.5	2.7	2.5	2.5	2.5	2.6	2.6	2.6	2.7
South Africa	329.0	375.0	413.0	523.1	477.9	445.1	475.6	564.7	593.5
South Sudan									
Spain	657.6	708.4	812.5	805.1	830.6	850.7	839.3	864.2	912.5
Sri Lanka	52.3	49.0	64.7	110.0	115.3	116.1	110.4	116.7	104.7
Sudan				55.0	60.0	63.0	65.0	70.0	75.4
Suriname	3.0	2.7	2.3	3.6	5.4	4.6	3.7	4.6	4.3
Sweden	102.0	102.0	111.0	127.5	139.5	137.8	141.1	149.8	149.1
Switzerland	39.8	41.1	47.0	55.2	56.4	58.7	60.6	62.3	66.3
Syrian Arab Republic	127.3	155.2	163.3	112.0	112.0	112.0	112.0	122.9	121.5
Tajikistan	1.5	5.5	13.1	20.0	18.5	18.8	24.8	24.8	22.8
Thailand	514.6	468.7	612.5	690.0	690.0	695.0	710.0	703.4	713.2
Timor-Leste	1.1	0.9	1.1	1.1	1.1	1.1	1.4	1.4	1.4

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

COUNTRY	2000	2005	2010	2015	2016	2017	2018	2019	2020
Togo	6.3	8.0	9.3	12.8	20.6	22.4	24.3	24.3	23.7
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	3.3	3.6	3.6	3.0
Tunisia	82.0	84.0	92.0	124.8	110.3	108.0	101.5	102.0	103.8
Türkiye	844.3	753.3	740.0	1 045.5	1 131.1	1 205.1	1 227.7	1 243.6	1 236.8
Turkmenistan	21.0	45.1	49.5	50.0	50.0	50.0	50.4	50.4	50.4
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	43.0	44.0	45.0	45.0	44.7
Ukraine	496.6	748.1	973.9	959.5	854.6	886.5	922.3	953.5	924.3
United Arab Emirates	14.6	17.2	28.0	47.8	50.7	46.6	57.9	56.6	53.7
United Kingdom of Great Britain and Northern Ireland	568.6	609.0	658.0	699.0	722.0	752.0	777.0	791.0	774.0
United Republic of Tanzania	85.9	93.7	83.4	101.8	80.1	107.0	81.5	81.5	90.0
United States of America	5 017.0	5 350.0	5 437.0	5 756.6	6 047.0	6 350.8	6 518.5	6 706.8	6 607.7
Uruguay	37.0	41.6	52.5	44.5	46.8	49.1	48.9	56.2	58.0
Uzbekistan	68.3	109.0	169.6	308.8	343.1	352.8	415.8	432.5	433.6
Vanuatu	0.4	0.4	0.6	0.6	0.7	0.6	0.6	0.6	0.6
Venezuela (Bolivarian Republic of)	174.6	173.6	241.6	199.7	149.6	141.9	170.0	184.2	165.4
Viet Nam	185.4	197.4	321.1	443.7	472.3	310.5	349.4	410.0	473.7
Yemen	31.1	48.4	60.6	66.7	65.3	65.5	59.6	70.4	70.4
Zambia	39.2	42.3	49.5	63.0	64.0	66.0	67.0	65.7	66.2
Zimbabwe	22.0	25.9	29.8	16.0	26.0	24.0	24.5	24.5	24.3

Source: FAO. 2022. FAOSTAT: Production: Crops and livestock products. In: *FAO*. Rome. Cited October 2022.

<https://www.fao.org/faostat/en/#data/QCL>

TABLE 25.
CAPTURE FISHERIES AND AQUACULTURE PRODUCTION, 2020 (THOUSAND TONNES)

COUNTRY	MARINE FISH	FRESHWATER FISH	MOLLUSCS	CRUSTACEANS	DIADROMOUS FISH	MISCELLANEOUS AQUATIC ANIMALS	TOTAL
World	69 076.5	58 457.7	23 901.8	17 250.4	7 487.1	1 583.2	177 756.8
Africa	6 627.8	4 909.6	260.8	217.3	26.9	1.8	12 044.2
Americas	13 923.6	1 560.2	2 280.8	2 424.5	1 607.7	106.5	21 903.2
Asia	34 889.5	51 353.9	20 144.2	13 924.2	3 214.8	1 433.6	124 960.2
Europe	12 225.4	619.1	1 036.1	638.7	2 549.4	27.1	17 095.7
Oceania	1 409.2	14.9	180.0	45.7	88.3	14.3	1 752.5
Afghanistan		10.0			0.1		10.1
Albania	10.2	2.6	0.7	1.6	1.8	0.0	16.9
Algeria	82.5	1.9	0.6	1.8	0.0		86.9
Andorra		0.0					0.0
Angola	361.2	11.8	1.6	4.8	0.0		379.4
Antigua and Barbuda	1.3	0.0	1.6	0.3			3.2
Argentina	427.0	20.6	204.9	186.3	1.0	0.0	839.7
Armenia		2.3		0.5	16.1		18.9
Australia	135.2	2.1	25.6	37.4	71.4	12.0	283.8
Austria		1.6		0.0	3.3		4.9
Azerbaijan	0.1	0.7			1.8		2.6
Bahamas	0.2	0.0	1.2	6.0		0.0	7.3
Bahrain	6.9	0.0	0.2	7.0	0.3	0.0	14.4
Bangladesh	466.2	3 232.9		253.8	550.4	0.0	4 503.4
Barbados	1.5	0.0	0.0	0.0			1.5
Belarus		9.7		0.0	0.5		10.2
Belgium	15.6	0.4	2.7	1.4	0.1	0.0	20.2
Belize	182.2	0.1	3.8	1.4		0.0	187.5
Benin	45.3	26.1	0.0	3.4	2.3	0.0	77.0
Bhutan		0.2			0.0		0.2
Bolivia (Plurinational State of)	0.0	9.7			1.5		11.2
Bosnia and Herzegovina	0.1	0.7	0.0		3.3		4.1
Botswana		0.2					0.2
Brazil	422.6	768.4	25.7	119.8	2.2	0.2	1 338.8
Brunei Darussalam	10.9	0.0	0.1	5.4	0.1	0.0	16.6
Bulgaria	3.0	6.8	5.4	0.0	6.2	0.0	21.3
Burkina Faso		29.7		0.1			29.7
Burundi		21.0					21.0
Cabo Verde	19.3	0.0	0.0	0.0		0.0	19.3
Cambodia	98.1	788.8	27.5	16.5	1.0	0.3	932.3
Cameroon	209.1	34.2	0.0	41.4	0.5		285.2
Canada	352.3	15.7	141.8	218.2	158.2	14.5	900.8
Central African Republic		29.2					29.2
Chad		107.1					107.1
Chile	1 598.3	0.0	495.4	46.8	1 079.6	39.2	3 259.4
China	10 745.4	26 615.3	16 663.6	8 148.2	548.3	1 133.3	63 854.1
Colombia	55.2	166.1	0.4	7.1	27.9		256.7
Comoros	20.8	0.0	0.0	0.0	0.0		20.8

TABLE 25.
CAPTURE FISHERIES AND AQUACULTURE PRODUCTION, 2020 (THOUSAND TONNES) (CONTINUED)

COUNTRY	MARINE FISH	FRESHWATER FISH	MOLLUSCS	CRUSTACEANS	DIADROMOUS FISH	MISCELLANEOUS AQUATIC ANIMALS	TOTAL
Congo	30.6	40.0	0.1	0.7	0.2		71.5
Costa Rica	17.9	12.7	0.0	2.4	0.7	0.0	33.7
Côte d'Ivoire	72.1	30.9	0.6	1.6	2.9	0.0	108.0
Croatia	87.5	2.8	1.6	0.9	0.4	0.1	93.3
Cuba	13.3	22.0	1.7	9.4	0.0	0.0	46.4
Cyprus	8.5	0.0	0.0	0.0	0.0		8.6
Czechia		23.1			1.0		24.1
Democratic People's Republic of Korea	173.1	19.4	71.4	15.0	0.1	0.3	279.3
Democratic Republic of the Congo	7.8	213.6					221.3
Denmark	691.3	0.5	34.2	12.9	36.1	0.6	775.5
Djibouti	2.3	0.0	0.0	0.0			2.3
Dominica	0.9	0.0		0.0			0.9
Dominican Republic	5.5	2.7	2.4	1.9	0.0	0.0	12.6
Ecuador	623.2	9.6	4.8	768.1	3.9	0.2	1 409.7
Egypt	563.7	1 411.6	8.9	24.9	1.5	0.0	2 010.6
El Salvador	51.4	8.1	0.1	2.0			61.5
Equatorial Guinea	5.1	0.9	0.0	0.0	0.0	0.0	6.1
Eritrea	5.1	0.0	0.1	0.4	0.0		5.6
Estonia	58.5	5.1	0.0	9.2	2.2		75.0
Eswatini		0.2		0.0			0.2
Ethiopia	0.0	60.5	0.0	0.0	0.0		60.5
Fiji	38.7	0.1	2.9	0.7	0.0	0.2	42.6
Finland	105.4	25.3		0.1	25.3		156.2
France	339.5	3.0	209.0	14.1	39.2	0.1	605.0
Gabon	17.6	10.9	0.3	0.2		0.0	29.1
Gambia	46.4	2.4	0.8	1.4			51.0
Georgia	231.1	0.9	0.0		1.2		233.2
Germany	184.4	24.4	13.6	9.6	12.4	0.0	244.4
Ghana	265.5	144.9	3.8	2.0	4.1		420.4
Greece	166.3	0.7	27.3	6.6	2.3	0.0	203.1
Grenada	1.8	0.0	0.0	0.0		0.0	1.8
Guatemala	8.4	15.4	0.0	21.1	0.1		44.9
Guinea	265.0	41.1	2.1	0.6	1.8		310.7
Guinea-Bissau	62.2	0.2	0.0	0.0			62.4
Guyana	25.0	0.1		15.0			40.1
Haiti	15.1	2.2	0.1	0.6		0.0	17.9
Honduras	12.4	39.3	0.4	34.2		0.7	87.0
Hungary		23.6		0.0	0.2		23.8
Iceland	1 015.0	0.0	0.0	3.3	40.3	1.6	1 060.3
India	2 965.0	9 261.3	311.6	1 504.0	98.8	0.0	14 140.7
Indonesia	5 562.6	3 907.7	390.7	1 290.2	870.3	130.2	12 151.6
Iran (Islamic Republic of)	689.5	299.4	4.5	61.1	226.1	1.8	1 282.4
Iraq	11.6	43.0		2.3	0.7		57.5
Ireland	152.3	0.0	37.3	13.5	13.6	0.0	216.7

TABLE 25.
CAPTURE FISHERIES AND AQUACULTURE PRODUCTION, 2020 (THOUSAND TONNES) (CONTINUED)

COUNTRY	MARINE FISH	FRESHWATER FISH	MOLLUSCS	CRUSTACEANS	DIADROMOUS FISH	MISCELLANEOUS AQUATIC ANIMALS	TOTAL
Israel	6.5	9.6	0.1	0.0	0.5		16.7
Italy	97.7	3.6	109.7	15.6	36.8	0.0	263.3
Jamaica	11.7	1.8	0.0	0.2			13.8
Japan	2 720.0	3.8	813.8	35.6	148.5	29.5	3 751.2
Jordan	0.2	2.5					2.6
Kazakhstan	3.0	47.9			1.7		52.6
Kenya	21.4	117.4	1.6	1.6	0.7	0.2	142.8
Kiribati	212.7	0.0	0.0	0.0	0.0	0.0	212.8
Kuwait	2.0	0.5		1.0	0.1		3.5
Kyrgyzstan		1.6			1.0		2.6
Lao People's Democratic Republic		199.9				0.1	200.0
Latvia	99.7	1.7	0.0	0.0	2.8		104.2
Lebanon	2.9	0.0	0.0	0.0	0.8		3.7
Lesotho		0.1			2.6		2.7
Liberia	30.2	0.8	0.1	0.1	0.7	0.0	31.9
Libya	29.5	0.0	1.7	0.5			31.6
Lithuania	85.2	5.4	0.0	4.5	0.5		95.6
Luxembourg		0.0					0.0
Madagascar	61.4	17.2	12.2	23.4	0.0	1.6	115.8
Malawi		180.5		0.0	0.0		180.5
Malaysia	1 175.7	102.7	86.8	171.0	60.1	10.7	1 606.9
Maldives	148.6	0.0	0.0	0.0		0.0	148.6
Mali		125.4					125.4
Malta	21.9	0.0	0.0	0.0	0.0	0.0	21.9
Marshall Islands	88.2	0.0	0.0	0.0			88.2
Mauritania	608.7	15.0	53.1	1.7		0.0	678.4
Mauritius	28.6	0.0	0.6	0.0		0.0	29.3
Mexico	1 054.0	214.6	141.2	317.2	14.1	38.6	1 779.7
Micronesia (Federated States of)	193.5	0.0	0.0	0.0	0.0	0.0	193.6
Mongolia		0.0					0.0
Montenegro	0.7	0.1	0.3	0.0	0.5		1.7
Morocco	1 236.1	15.8	117.5	6.8	0.5		1 376.7
Mozambique	274.6	100.4	3.0	25.1		0.0	403.1
Myanmar	984.5	1 913.2		97.9	1.4	1.6	2 998.6
Namibia	323.6	2.8	0.6	2.9		0.0	329.9
Nauru	92.4				0.0		92.4
Nepal		97.3			0.6		97.8
Netherlands	270.0	3.5	49.2	19.6	2.7	0.1	345.0
New Zealand	312.8	0.0	148.5	4.3	15.8	1.0	482.5
Nicaragua	22.7	0.4	10.9	38.5		6.6	79.1
Niger		46.6					46.6
Nigeria	371.1	616.0	4.6	53.1			1 044.8
North Macedonia		0.6			1.5		2.1
Norway	2 171.4	0.0	2.8	281.2	1 485.6	0.0	3 941.0

TABLE 25.
CAPTURE FISHERIES AND AQUACULTURE PRODUCTION, 2020 (THOUSAND TONNES) (CONTINUED)

COUNTRY	MARINE FISH	FRESHWATER FISH	MOLLUSCS	CRUSTACEANS	DIADROMOUS FISH	MISCELLANEOUS AQUATIC ANIMALS	TOTAL
Oman	776.5	0.2	16.3	1.7			794.7
Pakistan	299.6	310.4	13.2	27.8	1.6	2.8	655.2
Palau	0.8	0.0	0.0	0.0	0.0	0.0	0.8
Panama	187.2	0.9	0.0	3.4	0.0	0.0	191.6
Papua New Guinea	204.8	12.5	0.0	1.1	1.0	0.0	219.4
Paraguay		31.1		0.0			31.1
Peru	5 019.6	22.4	598.6	75.1	54.3	0.4	5 770.4
Philippines	1 647.9	365.7	167.5	158.8	425.2	1.0	2 766.1
Poland	184.7	47.9	0.0	1.4	20.0		254.1
Portugal	149.4	0.0	21.9	1.8	0.1	0.0	173.3
Qatar	14.4	0.0	0.2	0.4			15.1
Republic of Korea	1 113.1	12.8	619.2	124.5	23.2	41.4	1 934.3
Republic of Moldova		12.6		0.0	0.1		12.7
Romania	0.2	12.4	4.2	0.0	3.3	0.0	20.2
Russian Federation	4 205.6	340.3	170.3	136.6	466.2	23.5	5 342.5
Rwanda		37.0					37.0
Saint Kitts and Nevis	0.3	0.0	0.3	0.0			0.6
Saint Lucia	1.3	0.0	0.2	0.0			1.4
Saint Vincent and the Grenadines	1.6	0.0	0.4	0.1		0.0	2.1
Samoa	7.6	0.0	1.4	0.3		0.7	10.0
San Marino		0.0					0.0
Sao Tome and Principe	5.5	0.0	0.1	0.0			5.6
Saudi Arabia	60.2	23.9	1.3	58.2	18.4	0.0	161.8
Senegal	405.4	30.7	14.2	2.6	0.0		452.8
Serbia		6.7			1.2		7.9
Seychelles	132.4	0.0	0.0	0.0		0.0	132.4
Sierra Leone	189.1	2.0	0.6	1.4	7.6		200.7
Singapore	2.4	0.5	0.4	0.4	2.2	0.3	6.2
Slovakia		3.2			0.9		4.0
Slovenia	0.2	0.4	0.4	0.0	1.0		2.0
Solomon Islands	40.7	0.0	0.0	0.0		0.1	40.9
Somalia	28.7	0.2	0.6	0.5			30.0
South Africa	583.6	1.4	14.4	1.5	1.0	0.0	601.9
South Sudan		30.0					30.0
Spain	793.1	2.7	246.5	17.5	18.2	0.7	1 078.5
Sri Lanka	294.5	93.7	8.2	28.6	0.2	3.4	428.5
Sudan	2.7	44.9					47.5
Suriname	22.8	0.9		6.2			29.8
Sweden	165.6	4.3	2.3	5.3	14.2		191.7
Switzerland		1.3		0.0	2.2		3.5
Syrian Arab Republic	1.4	4.6	0.0	0.1			6.1
Tajikistan		2.7			0.0		2.7
Thailand	1 209.7	498.8	268.7	531.1	46.1	63.5	2 617.8

TABLE 25.
CAPTURE FISHERIES AND AQUACULTURE PRODUCTION, 2020 (THOUSAND TONNES) (CONTINUED)

COUNTRY	MARINE FISH	FRESHWATER FISH	MOLLUSCS	CRUSTACEANS	DIADROMOUS FISH	MISCELLANEOUS AQUATIC ANIMALS	TOTAL
Timor-Leste	8.3	0.1	0.0	0.0	0.0	0.0	8.4
Togo	11.8	6.9	0.0	0.0	0.1		18.8
Tonga	1.1	0.0	0.0	0.0	0.0	0.0	1.1
Trinidad and Tobago	12.1	0.0	0.0	0.8			12.9
Tunisia	108.6	1.2	11.1	5.6	0.2	0.0	126.6
Türkiye	566.5	23.1	38.8	6.5	149.8	1.2	785.8
Turkmenistan	0.0	0.4		0.0	14.3		14.8
Tuvalu	11.3	0.0			0.0		11.3
Uganda		690.2		0.0			690.2
Ukraine	10.1	41.6	6.5	21.5	7.1	0.3	87.2
United Arab Emirates	67.9	0.0	0.3	0.7	0.5		69.5
United Kingdom of Great Britain and Northern Ireland	505.3	0.7	79.5	54.2	207.4	0.0	847.0
United Republic of Tanzania	54.6	422.4	4.5	4.2	0.2	0.0	485.8
United States of America	3 339.1	161.3	553.4	372.5	264.1	3.9	4 694.3
Uruguay	48.4	8.0	6.3	0.1	0.1	0.0	63.0
Uzbekistan		143.3			0.8		144.1
Vanuatu	50.2	0.0	1.3	0.0	0.0	0.0	51.5
Venezuela (Bolivarian Republic of)	201.3	26.2	25.4	54.4	0.2	0.0	307.5
Viet Nam	2 690.4	3 312.8	630.7	1 374.1	2.4	12.3	8 022.7
Yemen	120.9	0.0	9.0	1.3		0.0	131.3
Zambia		152.5		0.0			152.5
Zimbabwe		34.1		0.0	0.0		34.2

Source: FAO. 2022. Fisheries and Aquaculture: Global production by production source Quantity (1950 - 2020). In: FAO. Rome. Cited October 2022. https://www.fao.org/fishery/statistics-query/en/global_production/global_production_quantity

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

COUNTRY	CAPTURE PRODUCTION				AQUACULTURE PRODUCTION			
	2000	2010	2015	2020	2000	2010	2015	2020
World	93 566.5	87 191.3	91 558.6	90 255.9	32 420.3	57 756.4	72 889.0	87 500.9
Africa	6 772.4	7 789.9	8 881.9	9 794.0	399.6	1 286.1	1 778.3	2 250.2
Americas	25 754.5	17 577.0	17 546.9	17 528.0	1 423.4	2 514.6	3 279.2	4 375.2
Asia	43 566.5	46 711.4	49 547.3	47 575.8	28 422.5	51 232.9	64 679.9	77 384.4
Europe	16 180.0	13 876.9	14 157.4	13 833.1	2 052.9	2 533.2	2 967.7	3 262.6
Oceania	1 088.6	1 217.2	1 366.0	1 523.9	121.8	189.7	184.0	228.5
Afghanistan	1.0	1.0	1.8	2.0	0.3	2.3	5.5	8.1
Albania	3.3	5.1	7.9	7.6	0.3	2.7	3.7	9.3
Algeria	113.2	93.5	95.8	81.5	0.4	1.8	1.3	5.4
Andorra	0.0	0.0	0.0	0.0				
Angola	239.4	310.0	495.2	377.3	0.0	0.3	0.9	2.1
Antigua and Barbuda	1.7	2.2	3.2	3.2	0.0	0.0	0.0	0.0
Argentina	921.8	811.7	814.3	837.6	1.8	2.7	3.7	2.1
Armenia	1.1	0.6	8.1	0.5	0.9	5.0	15.1	18.4
Australia	192.5	179.0	154.1	177.7	32.1	75.7	89.3	106.1
Austria	0.4	0.4	0.4	0.4	2.8	2.2	3.5	4.5
Azerbaijan	18.8	1.1	0.6	2.1	0.1	1.0	0.6	0.5
Bahamas	15.4	16.2	11.3	7.3	0.0	0.0	0.0	0.0
Bahrain	11.7	13.5	15.5	14.4	0.0	0.0	0.0	0.0
Bangladesh	1 004.3	1 726.6	1 623.8	1 919.5	657.1	1 308.5	2 060.4	2 583.9
Barbados	3.2	3.3	1.5	1.5	0.0	0.0	0.0	0.0
Belarus	0.6	0.9	0.9	0.9	6.7	16.3	9.1	9.3
Belgium	29.8	22.4	24.7	20.0	1.9	0.5	0.1	0.2
Belize	30.3	399.9	97.5	186.9	3.6	7.4	4.2	0.6
Benin	32.3	39.8	36.5	74.0	0.0	0.4	4.5	3.0
Bhutan	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.2
Bolivia (Plurinational State of)	6.1	6.9	7.0	7.5	0.4	0.9	3.2	3.7
Bosnia and Herzegovina	0.3	0.3	0.3	0.3	0.0	7.6	4.5	3.8
Botswana	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.1
Brazil	666.8	785.4	710.4	709.4	172.5	411.0	577.6	629.5
Brunei Darussalam	2.5	2.4	3.4	13.1	0.1	0.5	1.0	3.5
Bulgaria	8.7	10.8	8.8	6.3	3.7	7.9	13.5	15.0
Burkina Faso	8.5	14.5	20.8	29.1	0.0	0.2	0.2	0.6
Burundi	17.3	17.3	20.1	19.6	0.1	0.0	1.3	1.5
Cabo Verde	10.6	21.4	37.7	19.3	0.0	0.0	0.0	0.0
Cambodia	284.4	490.1	608.2	532.9	14.4	60.0	143.0	399.4
Cameroon	112.1	181.0	224.0	281.6	0.1	0.6	2.0	3.6
Canada	998.2	933.5	856.2	729.8	127.7	162.3	187.4	171.0
Central African Republic	15.0	35.0	28.0	29.0	0.1	0.1	0.2	0.2
Chad	83.2	91.0	100.0	107.0	0.0	0.0	0.2	0.1
Chile	4 300.2	2 679.7	1 785.9	1 773.5	391.6	701.1	1 045.8	1 485.9
China	15 901.0	15 829.9	17 522.3	13 953.3	21 770.9	35 828.1	44 064.9	49 900.8
Colombia	137.1	81.2	81.9	77.3	61.8	80.4	95.9	179.4

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

COUNTRY	CAPTURE PRODUCTION				AQUACULTURE PRODUCTION			
	2000	2010	2015	2020	2000	2010	2015	2020
Comoros	12.0	63.4	11.8	20.8				
Congo	46.0	65.2	69.3	70.6	0.1	0.3	0.6	0.9
Costa Rica	35.2	17.9	14.8	17.4	9.7	26.8	23.6	16.3
Côte d'Ivoire	80.3	48.0	98.5	103.4	1.2	1.7	4.0	4.6
Croatia	21.1	52.8	73.9	71.6	6.9	15.7	16.9	21.7
Cuba	68.4	24.0	25.6	20.2	32.8	31.4	32.1	26.2
Cyprus	68.3	1.4	1.5	1.3	1.9	4.2	5.5	7.3
Czechia	4.7	4.0	3.8	3.7	19.5	20.4	20.2	20.4
Democratic People's Republic of Korea	212.9	217.5	220.0	202.0	66.7	64.5	65.8	77.3
Democratic Republic of the Congo	244.6	224.5	230.7	217.8	2.1	3.0	3.0	3.6
Denmark	1 534.1	828.1	869.0	732.9	43.6	35.2	35.8	42.6
Djibouti	0.8	1.6	2.0	2.3				
Dominica	1.2	0.7	1.0	0.9	0.0	0.0	0.0	0.0
Dominican Republic	11.0	14.5	11.9	9.9	2.1	1.3	2.3	2.7
Ecuador	596.5	399.9	632.6	635.2	61.3	272.7	426.7	774.5
Egypt	384.3	385.2	344.1	418.7	340.1	919.6	1 174.8	1 591.9
El Salvador	9.6	39.6	54.7	53.0	0.3	4.5	6.7	8.5
Equatorial Guinea	3.6	7.4	6.4	6.0	0.0	0.0	0.0	0.0
Eritrea	12.6	3.6	6.2	5.6	0.0	0.0	0.0	0.0
Estonia	113.1	95.4	72.8	73.9	0.2	0.6	0.8	1.1
Eswatini	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1
Ethiopia	15.7	18.1	45.5	60.0	0.0	0.0	0.1	0.5
Fiji	40.7	41.8	41.0	42.5	1.8	0.2	0.1	0.2
Finland	156.4	156.1	182.9	141.1	15.4	11.8	14.9	15.1
France	626.1	428.9	488.9	414.0	266.8	203.0	163.3	191.0
Gabon	47.8	32.7	33.0	29.0	0.6	0.1	0.0	0.1
Gambia	29.0	46.6	56.0	51.0	0.0	0.0	0.0	0.0
Georgia	1.8	46.0	22.5	231.2	0.1	0.9	1.7	2.0
Germany	204.1	243.1	261.7	212.1	65.9	40.7	29.9	32.3
Ghana	454.3	351.5	344.3	356.4	5.0	10.2	44.6	64.0
Greece	99.3	70.2	65.4	71.5	95.4	121.2	107.0	131.6
Grenada	1.7	2.2	2.4	1.8	0.0	0.0	0.0	0.0
Guatemala	39.2	22.3	15.2	11.3	4.0	22.8	22.2	33.7
Guinea	91.5	113.5	184.7	309.6	0.0	0.2	0.4	1.1
Guinea-Bissau	6.3	6.6	21.2	62.4	0.0	0.0	0.0	0.0
Guyana	48.9	45.2	36.6	40.0	0.6	0.5	0.4	0.1
Haiti	7.4	13.7	16.5	16.4	0.0	0.4	1.2	1.6
Honduras	17.9	12.1	10.8	15.8	10.1	27.5	55.1	71.2
Hungary	7.1	6.2	5.9	5.4	12.9	14.2	17.3	18.4
Iceland	1 982.5	1 060.6	1 319.6	1 019.7	3.6	5.1	8.4	40.6
India	3 666.4	4 689.3	4 843.4	5 504.7	1 942.5	3 785.8	5 341.0	8 636.0
Indonesia	4 115.1	5 386.3	6 685.7	6 925.0	788.5	2 304.8	4 342.5	5 226.6
Iran (Islamic Republic of)	384.0	443.7	631.2	801.9	40.6	220.0	346.1	480.5

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

COUNTRY	CAPTURE PRODUCTION				AQUACULTURE PRODUCTION			
	2000	2010	2015	2020	2000	2010	2015	2020
Iraq	20.8	19.3	27.3	34.8	1.7	20.3	24.8	22.7
Ireland	276.3	318.9	234.9	179.0	51.2	46.5	39.6	37.7
Israel	5.8	2.6	2.1	2.0	20.1	19.9	19.6	14.7
Italy	302.2	233.6	197.6	140.6	213.5	153.5	148.8	122.8
Jamaica	5.5	15.4	17.0	12.9	4.5	4.0	0.6	0.9
Japan	5 072.5	4 091.1	3 405.9	3 151.7	762.8	718.3	705.5	599.5
Jordan	0.6	0.5	0.6	0.6	0.6	0.5	1.0	2.1
Kazakhstan	36.6	46.8	40.5	45.8	0.8	0.2	0.7	6.8
Kenya	215.5	140.4	165.2	122.9	0.5	12.2	18.7	20.0
Kiribati	35.4	43.1	146.0	212.8	0.0	0.0	0.0	0.0
Kuwait	7.0	6.4	3.9	3.1	0.4	0.3	0.3	0.5
Kyrgyzstan	0.1	0.0	0.0	0.0	0.1	0.4	1.1	2.6
Lao People's Democratic Republic	29.3	30.9	62.6	70.0	42.1	82.1	96.0	130.0
Latvia	136.4	164.8	81.3	103.5	0.3	0.5	0.9	0.7
Lebanon	3.7	3.4	3.6	2.9	0.4	1.2	1.0	0.8
Lesotho	0.0	0.0	0.1	0.1	0.0	0.3	1.0	2.6
Liberia	11.5	11.7	14.0	31.6	0.0	0.1	0.2	0.3
Libya	50.0	50.0	25.7	31.6	0.0	0.1	0.0	0.0
Lithuania	79.0	149.9	85.1	91.1	2.0	3.2	4.5	4.5
Luxembourg	0.0	0.0	0.0	0.0				
Madagascar	120.1	128.8	114.0	110.4	7.3	6.9	7.3	5.5
Malawi	50.0	98.3	141.6	171.1	0.5	2.6	5.0	9.4
Malaysia	1 289.3	1 433.4	1 492.0	1 388.9	151.8	373.4	246.2	218.0
Maldives	119.4	122.8	127.3	148.6				
Mali	109.9	100.0	92.5	117.7	0.0	2.1	2.4	7.7
Malta	1.1	1.8	2.6	2.1	1.7	6.9	10.8	19.8
Marshall Islands	8.3	59.8	89.7	88.2	0.0	0.0	0.0	0.0
Mauritania	114.5	276.2	403.8	678.4				
Mauritius	9.6	7.4	15.8	26.0	0.1	0.6	0.8	3.3
Mexico	1 315.7	1 526.5	1 467.3	1 501.0	53.9	126.2	211.6	278.7
Micronesia (Federated States of)	23.3	31.4	71.4	193.6	0.0	0.0	0.0	0.0
Mongolia	0.4	0.1	0.1	0.0				
Montenegro	0.0	1.3	1.5	0.8	0.0	0.7	0.8	0.9
Morocco	902.8	1 136.2	1 364.9	1 375.3	1.9	0.7	1.1	1.4
Mozambique	41.5	162.6	286.7	400.0	0.0	0.9	1.1	3.2
Myanmar	1 093.2	1 961.2	1 970.5	1 853.6	98.9	850.7	997.3	1 145.0
Namibia	589.8	381.9	509.9	329.6	0.1	0.6	0.5	0.3
Nauru	0.4	0.6	0.3	92.4	0.0	0.0	0.0	0.0
Nepal	16.7	21.5	21.5	21.0	15.0	28.2	48.0	76.8
Netherlands	495.8	434.4	384.5	305.1	75.2	67.0	62.8	39.9
New Zealand	553.4	436.2	433.2	363.9	85.6	110.6	91.3	118.6
Nicaragua	22.5	41.0	41.5	49.7	5.4	17.0	24.5	29.4
Niger	16.3	40.0	27.0	46.0	0.0	0.1	0.3	0.6

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

COUNTRY	CAPTURE PRODUCTION				AQUACULTURE PRODUCTION			
	2000	2010	2015	2020	2000	2010	2015	2020
Nigeria	441.4	617.0	710.3	783.1	25.7	200.5	316.7	261.7
North Macedonia	0.2	0.2	0.4	0.5	1.2	1.5	1.0	1.6
Norway	2 699.4	2 680.0	2 304.8	2 450.9	491.3	1 019.8	1 380.8	1 490.1
Oman	120.4	163.9	257.0	793.4	0.0	0.1	0.2	1.3
Pakistan	598.7	455.5	509.5	492.8	12.5	140.1	151.2	162.5
Palau	1.1	1.0	0.8	0.8	0.0	0.0	0.0	0.0
Panama	227.6	182.1	143.8	187.7	1.8	6.6	9.6	3.9
Papua New Guinea	109.9	226.1	234.7	217.6	0.2	1.6	1.7	1.8
Paraguay	28.0	17.8	17.0	17.0	0.1	3.0	8.5	14.1
Peru	10 657.3	4 301.6	4 824.1	5 626.5	6.6	89.0	91.0	143.8
Philippines	1 917.2	2 498.8	2 150.5	1 911.9	393.9	744.7	781.8	854.2
Poland	217.7	189.7	205.4	206.4	35.8	30.8	37.0	47.7
Portugal	190.9	223.0	188.5	158.8	7.5	8.2	9.6	14.6
Qatar	7.1	13.8	15.2	15.1	0.0	0.0	0.0	0.0
Republic of Korea	1 825.2	1 722.0	1 650.2	1 367.8	293.4	475.6	479.4	566.4
Republic of Moldova	0.0	0.0	0.1	0.1	1.7	8.8	11.2	12.6
Romania	7.4	2.7	9.3	8.0	9.7	9.0	11.0	12.2
Russian Federation	3 973.5	4 069.9	4 457.4	5 072.1	74.1	120.4	152.0	270.4
Rwanda	6.7	13.0	29.3	30.0	0.3	0.1	1.6	7.1
Saint Kitts and Nevis	1.0	21.8	100.4	0.6	0.0	0.0	0.0	0.0
Saint Lucia	2.0	2.0	2.0	1.4	0.0	0.0	0.0	0.0
Saint Vincent and the Grenadines	22.8	66.4	26.1	2.1				
Samoa	8.6	12.8	8.7	9.9	0.0	0.0	0.0	0.0
San Marino	0.0	0.0	0.0	0.0				
Sao Tome and Principe	3.7	4.8	11.4	5.6				
Saudi Arabia	49.1	65.1	68.1	61.9	6.0	26.4	30.0	99.9
Senegal	435.8	409.7	425.3	451.7	0.1	0.1	1.2	1.1
Serbia	0.0	4.8	3.2	1.9	0.0	8.2	7.4	6.0
Seychelles	32.8	87.1	105.4	132.4	0.4	0.0	0.0	0.0
Sierra Leone	74.7	200.0	202.1	200.6	0.0	0.1	0.1	0.1
Singapore	5.4	1.7	1.3	1.4	5.1	3.5	6.9	4.8
Slovakia	1.4	1.6	2.0	1.7	0.9	0.7	1.3	2.3
Slovenia	1.9	0.9	0.3	0.3	1.2	0.8	1.6	1.7
Solomon Islands	19.5	37.4	67.8	40.9	0.0	0.0	0.0	0.0
Somalia	24.2	30.0	30.0	30.0				
South Africa	643.8	628.8	565.2	595.9	2.8	3.1	5.4	6.0
South Sudan	0.0	0.0	37.0	30.0	0.0	0.0	0.0	0.0
Spain	1 056.2	975.3	975.7	802.0	311.4	256.8	296.6	276.6
Sri Lanka	296.1	389.1	467.5	386.8	4.4	8.1	31.3	41.7
Sudan	0.0	0.0	33.0	37.7	0.0	0.0	7.0	9.9
Suriname	24.2	35.1	39.5	29.8	0.3	0.1	0.1	0.0
Sweden	338.5	212.0	212.0	179.6	4.8	10.6	12.0	12.1
Switzerland	1.7	2.1	2.0	1.5	1.1	1.3	1.6	2.0

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

COUNTRY	CAPTURE PRODUCTION				AQUACULTURE PRODUCTION			
	2000	2010	2015	2020	2000	2010	2015	2020
Syrian Arab Republic	6.6	6.6	3.8	3.8	6.8	8.6	2.5	2.3
Tajikistan	0.2	0.7	1.2	1.9	0.1	0.5	0.5	0.8
Thailand	2 997.1	1 810.6	1 501.0	1 655.4	738.2	1 286.1	921.0	962.5
Timor-Leste	3.6	3.2	3.2	8.3	0.0	0.1	0.1	0.1
Togo	22.3	27.5	21.5	18.0	0.0	0.1	0.1	0.7
Tonga	3.8	2.1	1.8	1.1	0.0	0.0	0.0	0.0
Trinidad and Tobago	14.2	13.9	12.1	12.9	0.0	0.0	0.0	0.0
Tunisia	94.7	93.2	115.7	103.2	1.6	5.4	14.6	23.4
Türkiye	503.3	485.9	431.9	364.4	79.0	167.7	240.3	421.4
Turkmenistan	12.2	15.0	15.0	14.6	0.1	0.0	0.1	0.2
Tuvalu	0.5	11.5	6.1	11.3	0.0	0.0	0.0	0.0
Uganda	219.4	413.8	396.2	566.3	0.8	95.0	117.6	123.9
Ukraine	391.8	209.8	120.5	68.6	31.0	22.9	22.2	18.6
United Arab Emirates	105.5	70.6	61.8	66.5	0.0	0.2	0.8	3.0
United Kingdom of Great Britain and Northern Ireland	754.5	612.6	705.7	626.0	152.5	201.4	223.0	221.0
United Republic of Tanzania	322.0	350.8	373.9	468.4	0.2	0.5	4.0	17.5
United States of America	4 746.3	4 391.7	4 988.5	4 246.1	456.8	496.7	426.0	448.2
Uruguay	113.3	74.2	59.5	62.9	0.1	0.1	0.2	0.1
Uzbekistan	3.3	4.1	23.0	46.1	5.7	6.7	36.9	98.0
Vanuatu	70.5	101.2	81.8	51.5	0.0	0.1	0.0	0.0
Venezuela (Bolivarian Republic of)	359.6	218.9	240.6	258.4	13.4	18.2	18.9	49.1
Viet Nam	1 629.6	2 249.7	2 860.6	3 421.9	498.5	2 683.1	3 462.4	4 600.8
Yemen	114.8	163.9	177.4	131.3	0.0	0.2	0.0	0.0
Zambia	66.7	76.4	90.1	106.8	4.2	10.3	22.8	45.7
Zimbabwe	13.1	11.2	23.9	18.7	2.2	2.8	10.6	15.4

Source: FAO. 2022. Fisheries and Aquaculture: Global production by production source Quantity (1950 - 2020). In: FAO. Rome. Cited October 2022. https://www.fao.org/fishery/statistics-query/en/global_production/global_production_quantity

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

COUNTRY	WOOD FUEL		INDUSTRIAL ROUNDWOOD, CONIFEROUS		INDUSTRIAL ROUNDWOOD, NON-CONIFEROUS		ROUNDWOOD	
	2000	2020	2000	2020	2000	2020	2000	2020
World	1 795 245	1 928 264	1 043 599	1 144 245	646 068	839 443	3 484 911	3 911 952
Africa	551 284	712 408	13 357	12 496	57 955	66 706	622 596	791 610
Americas	314 350	329 520	518 504	491 030	260 867	250 366	1 093 722	1 070 916
Asia	807 816	705 866	93 136	80 417	179 647	372 625	1 080 599	1 158 909
Europe	109 130	170 452	386 501	506 865	132 613	126 363	628 243	803 681
Oceania	12 665	10 018	32 101	53 436	14 985	23 382	59 751	86 836
Afghanistan	1 279	1 959	999	999	761	761	3 039	3 719
Albania	324	762	68	47	55	65	447	874
Algeria	7 074	8 791	81	116	81	23	7 236	8 929
Andorra		0						0
Angola	3 163	4 973			1 096	1 250	4 259	6 223
Antigua and Barbuda								
Argentina	2 993	4 079	4 140	7 362	3 570	5 536	10 704	16 977
Armenia	57	1 546	0	0	0	0	57	1 546
Australia	6 774	4 125	12 474	17 142	11 933	15 569	31 181	36 836
Austria	2 860	5 327	9 607	10 587	809	876	13 276	16 790
Azerbaijan	32	422	0	0	32	3	64	425
Bahamas	31	34	15	15	2	2	48	51
Bahrain	6	7					6	7
Bangladesh	27 836	25 267			623	405	28 459	25 672
Barbados	5	5			5	6	10	11
Belarus	928	10 058	3 011	13 434	2 197	3 558	6 136	27 050
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	6 668			332	385	6 242	7 053
Bhutan	4 221	5 319	46	33	88	92	4 355	5 444
Bolivia (Plurinational State of)	2 142	2 504	0	40	468	1 486	2 610	4 030
Bosnia and Herzegovina	950	1 484	2 191	2 120	1 141	699	4 282	4 303
Botswana	635	700			105	105	740	805
Brazil	132 408	123 299	39 666	41 800	63 328	101 189	235 402	266 288
Brunei Darussalam	12	12	0	0	115	71	126	83
Bulgaria	2 107	2 332	1 294	2 193	1 383	878	4 784	5 404
Burkina Faso	7 402	14 528			594	1 171	7 996	15 699
Burundi	5 420	5 999	220	138	547	487	6 187	6 624
Cabo Verde	147	186					147	186
Cambodia	10 119	7 117	0	13	179	309	10 298	7 439
Cameroon	9 111	10 722			1 894	3 832	11 005	14 554
Canada	2 927	1 750	163 473	107 661	35 445	22 768	201 845	132 180
Central African Republic	2 000	2 000			955	845	2 955	2 845
Chad	5 885	8 204			761	761	6 646	8 965
Chile	12 131	15 924	18 806	28 322	5 631	15 241	36 568	59 487
China	227 627	156 988	61 814	29 458	34 205	152 245	323 646	338 691
Colombia	10 893	6 410	373	876	1 791	1 728	13 057	9 014

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

COUNTRY	WOOD FUEL		INDUSTRIAL ROUNDWOOD, CONIFEROUS		INDUSTRIAL ROUNDWOOD, NON-CONIFEROUS		ROUNDWOOD	
	2000	2020	2000	2020	2000	2020	2000	2020
Comoros	201	336			25	25	226	360
Congo	1 153	1 551		0	1 362	2 419	2 515	3 970
Costa Rica	3 486	3 244	0	100	987	1 121	4 473	4 465
Côte d'Ivoire	8 529	9 259			3 416	2 400	11 945	11 659
Croatia	976	2 207	464	819	2 229	2 208	3 669	5 234
Cuba	963	1 141	220	190	636	421	1 819	1 752
Cyprus	5	6	15	2	1	0	21	9
Czechia	940	6 726	12 191	25 856	1 310	765	14 441	33 347
Democratic People's Republic of Korea	5 503	6 302	1 100	1 100	400	400	7 003	7 802
Democratic Republic of the Congo	64 903	87 801			3 564	4 611	68 467	92 412
Denmark	699	2 061	3 578	1 556	384	225	4 661	3 842
Djibouti	293	410			0	0	293	410
Dominica	8	7					8	7
Dominican Republic	556	980	0	15	6	34	562	1 029
Ecuador	5 363	5 060	0	373	546	2 067	5 909	7 500
Egypt	16 182	17 893		9	268	259	16 450	18 161
El Salvador	4 518	4 097	0	0	682	682	5 200	4 779
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	4 136	4 980	4 435	2 290	2 068	8 910	10 638
Eswatini	885	1 318	864	864	70	70	1 819	2 252
Ethiopia	87 471	114 439	8	13	2 451	2 922	89 930	117 374
Fiji	37	37	342	560	107	240	486	837
Finland	4 115	8 937	44 369	43 016	5 778	8 281	54 262	60 233
France	31 046	23 444	26 305	16 361	13 171	7 898	70 522	47 703
Gabon	515	1 070			2 584	2 919	3 099	3 989
Gambia	603	783		1	113	117	715	900
Georgia	280	359	11	135	84	56	375	551
Germany	8 804	22 261	41 227	56 362	7 995	5 428	58 026	84 051
Ghana	26 725	50 166		50	998	2 164	27 723	52 380
Greece	1 601	947	411	189	232	223	2 245	1 359
Grenada								
Guatemala	14 540	21 617	371	189	96	465	15 007	22 271
Guinea	11 444	12 420			651	651	12 095	13 071
Guinea-Bissau	2 230	2 964			135	132	2 364	3 096
Guyana	880	817	0	0	289	317	1 169	1 134
Haiti	1 964	2 140	100	100	139	139	2 203	2 379
Honduras	8 732	8 138	744	840	12	5	9 488	8 983
Hungary	2 597	2 684	609	818	2 696	2 074	5 902	5 575
Iceland	0	1	0	1	0	0	0	2
India	277 380	301 150	5 570	6 148	35 603	43 369	318 553	350 667
Indonesia	88 981	38 604	206	7	48 643	83 339	137 830	121 950
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	2020	2000	2020	2000	2020	2000	2020
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	498	6	1	277	151	882	650
Japan	134	6 932	14 520	21 027	3 467	2 390	18 121	30 349
Jordan	222	380			4	4	226	384
Kazakhstan	474	303	140	49	32	144	645	496
Kenya	19 658	24 948	706	530	1 271	439	21 635	25 917
Kiribati	2	3					2	3
Kuwait	15	21					15	21
Kyrgyzstan	33	37	4	3	9	7	46	46
Lao People's Democratic Republic	5 872	5 695	0	0	567	1 432	6 439	7 127
Latvia	1 680	2 620	8 676	8 407	3 948	4 320	14 304	15 347
Lebanon	19	19	7	7	0	0	26	26
Lesotho	2 022	2 145		14			2 022	2 159
Liberia	4 725	9 773			1 114	463	5 839	10 237
Libya	823	1 062			116	116	939	1 178
Lithuania	1 450	1 994	2 430	2 899	1 620	1 473	5 500	6 366
Luxembourg	28	59	106	209	120	82	254	350
Madagascar	9 637	15 210	92	100	34	74	9 763	15 384
Malawi	4 964	6 045	150	100	1 250	1 330	6 364	7 475
Malaysia	3 346	2 381	0	22	24 380	14 768	27 726	17 172
Maldives	13	17					13	17
Mali	4 731	5 889			413	817	5 143	6 706
Malta	0	0	0	0	0	0	0	0
Marshall Islands								
Mauritania	1 428	2 251			6	32	1 434	2 283
Mauritius	10	4	5	1	3	0	18	5
Mexico	37 561	38 439	7 291	6 094	814	1 557	45 666	46 090
Micronesia (Federated States of)	2	3					2	3
Mongolia	553	732	87	160	4	2	644	894
Montenegro		166		769		158		1 093
Morocco	6 969	6 575	207	11	362	98	7 538	6 684
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	2 015					921	2 015
Nauru								
Nepal	12 763	11 650	0	0	1 260	1 300	14 023	12 950
Netherlands	160	2 323	645	470	234	270	1 039	3 063
New Zealand	0	0	19 225	35 669	54	300	19 279	35 969
Nicaragua	5 756	6 169	173	89	55	17	5 984	6 274
Niger	7 805	12 103			579	701	8 384	12 804

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

COUNTRY	WOOD FUEL		INDUSTRIAL ROUNDWOOD, CONIFEROUS		INDUSTRIAL ROUNDWOOD, NON-CONIFEROUS		ROUNDWOOD	
	2000	2020	2000	2020	2000	2020	2000	2020
Nigeria	59 349	66 883			9 418	10 022	68 767	76 905
North Macedonia	875	610	68	51	109	74	1 052	735
Norway	678	1 530	7 417	9 935	61	306	8 156	11 771
Oman	26	51					26	51
Pakistan	30 880	29 533	1 510	1 542	1 170	2 518	33 560	33 593
Palau								
Panama	1 280	976	3	7	44	400	1 327	1 383
Papua New Guinea	5 533	5 533	50	40	2 259	4 032	7 842	9 605
Paraguay	5 551	7 701			4 044	4 044	9 595	11 745
Peru	7 777	6 524	10	8	1 501	751	9 288	7 283
Philippines	13 615	11 376	0	40	3 079	3 813	16 694	15 228
Poland	2 464	4 720	19 164	28 581	6 031	7 283	27 659	40 584
Portugal	600	1 618	4 982	3 940	5 249	7 752	10 831	13 311
Qatar	4	5					4	5
Republic of Korea	2 449	247	1 095	2 446	497	1 580	4 041	4 273
Republic of Moldova	241	1 219	0	1	81	44	321	1 264
Romania	3 032	4 582	4 587	5 571	5 530	5 376	13 148	15 530
Russian Federation	12 526	15 109	97 221	161 011	48 354	40 880	158 101	217 000
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	115	3	3	10	24	109	142
Saudi Arabia	179	315					179	315
Senegal	5 114	5 626			794	816	5 908	6 442
Serbia		6 454		372		1 410		8 236
Seychelles	4	3		0	8	10	12	13
Sierra Leone	5 358	6 025			124	330	5 481	6 355
Singapore	38	28					38	28
Slovakia	277	524	3 062	3 776	2 824	3 148	6 163	7 448
Slovenia	532	1 077	1 209	1 984	512	821	2 253	3 881
Solomon Islands	138	136	0	0	566	3 200	704	3 336
Somalia	9 228	16 435			110	110	9 338	16 545
South Africa	12 000	12 025	8 853	6 754	10 106	9 908	30 959	28 687
South Sudan		4 750						4 750
Spain	1 600	2 951	7 794	8 249	4 927	7 107	14 321	18 308
Sri Lanka	5 907	4 449	0	0	689	693	6 596	5 142
Sudan		15 583		0		1 157		16 740
Suriname	43	88	1	0	180	1 075	224	1 163
Sweden	5 900	5 460	54 060	64 050	3 340	6 550	63 300	76 060
Switzerland	1 626	1 845	6 793	2 404	819	404	9 238	4 652

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

COUNTRY	WOOD FUEL		INDUSTRIAL ROUNDWOOD, CONIFEROUS		INDUSTRIAL ROUNDWOOD, NON-CONIFEROUS		ROUNDWOOD	
	2000	2020	2000	2020	2000	2020	2000	2020
Syrian Arab Republic	16	36	12	12	23	28	50	76
Tajikistan	0	3 674	0	0	0	0	0	3 674
Thailand	20 553	18 357			6 262	14 600	26 815	32 957
Timor-Leste	179	78					179	78
Togo	5 499	4 424			306	188	5 805	4 612
Tonga	2	2	1	1	1	1	4	4
Trinidad and Tobago	37	30	10	5	62	162	109	197
Tunisia	2 094	3 610	54	177	160	127	2 308	3 914
Türkiye	5 510	5 397	5 755	15 530	4 674	7 776	15 939	28 703
Turkmenistan	3	10	0	0	0	0	3	10
Tuvalu								
Uganda	34 090	44 631	269	935	2 906	4 395	37 265	49 961
Ukraine	4 058	7 777	4 038	7 344	1 763	1 652	9 859	16 773
United Arab Emirates	16	19					16	19
United Kingdom of Great Britain and Northern Ireland	229	2 429	7 114	7 990	442	113	7 785	10 533
United Republic of Tanzania	20 787	25 340	514	1 074	1 800	1 764	23 101	28 178
United States of America	45 930	60 525	282 340	293 023	138 279	76 151	466 549	429 700
Uruguay	1 423	2 629	263	3 487	1 248	11 859	2 934	17 975
Uzbekistan	24	18	0	0	5	6	29	24
Vanuatu	91	91	0	10	40	28	131	129
Venezuela (Bolivarian Republic of)	3 605	4 353	481	425	622	892	4 708	5 670
Viet Nam	26 686	20 000	184	1 300	8 050	36 035	34 920	57 335
Yemen	302	611				3	302	613
Zambia	16 749	23 033	300	892	528	1 800	17 577	25 725
Zimbabwe	8 115	9 424	910	597	68	26	9 094	10 047

Source: FAO. 2022. FAOSTAT: Forestry Production and Trade. In: *FAO*. Rome. Cited October 2022. <https://www.fao.org/faostat/en/#data/FO>

TABLE 28.
PRODUCTION OF SELECTED FOREST PRODUCTS, 2020

COUNTRY	PAPER AND PAPERBOARD	RECOVERED PAPER	MILLION TONNES			MILLION M ³	
			WOOD PULP	WOOD CHARCOAL	WOOD PELLETS AND OTHER AGGLOMERATES	SAWNWOOD	WOOD-BASED PANELS
World	400 904	228 504	186 436	53 142	50 440	472 729	368 251
Africa	3 062	2 233	2 184	35 252	100	10 832	2 801
Americas	96 616	57 725	96 803	9 181	15 729	149 699	64 523
Asia	198 303	104 253	37 144	8 029	5 938	133 424	213 165
Europe	99 199	61 211	47 620	642	28 523	169 540	84 900
Oceania	3 724	3 082	2 685	39	151	9 234	2 862
Afghanistan				149		230	0
Albania	9	5	0	60	40	79	0
Algeria	47	77		768		13	46
Andorra						0	0
Angola	0		0	405		30	10
Antigua and Barbuda						0	0
Argentina	1 618	840	620	397	90	3 720	1 052
Armenia	12	0	0	0	0	0	0
Australia	3 061	2 806	1 395	24	76	4 377	1 677
Austria	4 719	1 271	2 022	1	1 586	10 576	3 073
Azerbaijan	39	0	0	5	0	0	1
Bahamas		1		1		1	0
Bahrain	12	80		1		0	0
Bangladesh	58		47	341		388	8
Barbados	2	1		0		2	0
Belarus	357	294	291	5	665	4 593	4 733
Belgium	1 611	1 550	515	0	740	1 650	1 966
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	167	45	70	30	270	2 160	56
Botswana		10		75		0	0
Brazil	10 184	4 893	21 558	6 374	2 906	10 240	11 594
Brunei Darussalam		13		0	0	29	0
Bulgaria	364	90	239	2	262	716	1 029
Burkina Faso	1			761		5	0
Burundi				264		34	0
Cabo Verde				1		0	0
Cambodia	0	20		39		100	202
Cameroon	0		0	522		1 022	10
Canada	8 667	2 754	15 423		3 980	40 157	12 087
Central African Republic				228		41	2
Chad				515		3	0
Chile	960	173	5 156	240	121	7 874	3 108
China	117 150	58 556	14 865	1 610	893	84 041	160 668
Colombia	1 161	1 093	242	102		320	240

TABLE 28.
PRODUCTION OF SELECTED FOREST PRODUCTS, 2020 (CONTINUED)

COUNTRY	PAPER AND PAPERBOARD	RECOVERED PAPER	MILLION TONNES			MILLION M ³	
			WOOD PULP	WOOD CHARCOAL	WOOD PELLETS AND OTHER AGGLOMERATES	SAWNWOOD	WOOD-BASED PANELS
Comoros				51		0	0
Congo	3			6		303	8
Costa Rica	250	110		13	22	391	84
Côte d'Ivoire		6		552		753	93
Croatia	343	45	45	13	387	1 318	154
Cuba	16	28		120		130	149
Cyprus	0	44	0	1	0	1	0
Czechia	829	992	852	6	620	4 891	1 613
Democratic People's Republic of Korea	80		56	170		279	0
Democratic Republic of the Congo	3			2 798		101	1
Denmark	152	590	5	0	180	387	349
Djibouti				55		0	0
Dominica				0		0	0
Dominican Republic	130	130		19		14	0
Ecuador	245	183		105		513	821
Egypt	670	380	41	1 478	25	12	52
El Salvador	115	5		23		16	0
Equatorial Guinea				11		45	3
Eritrea				142		0	0
Estonia	72	90	231	0	1 650	1 800	410
Eswatini	49	6	0	54		50	53
Ethiopia	78	3		4 728		18	46
Fiji		3		3		130	11
Finland	8 210	570	10 520	0	322	10 916	1 127
France	6 873	6 317	1 620	50	1 760	8 134	3 734
Gabon				24		765	46
Gambia				72		46	0
Georgia	37	11	0	0		51	10
Germany	21 339	16 906	2 255	30	3 906	26 219	12 691
Ghana		3		2 171		534	171
Greece	321	310	0	0	59	66	373
Grenada						0	0
Guatemala	31	115		14	59	307	33
Guinea				428		31	22
Guinea-Bissau				80		16	0
Guyana				25		44	15
Haiti		1		38		6	0
Honduras	40	60	0	21	17	130	49
Hungary	873	500	21	0	24	493	1 217
Iceland	0	24	0	0	0	0	0
India	17 284	3 700	3 362	1 882		6 889	12 286

TABLE 28.
PRODUCTION OF SELECTED FOREST PRODUCTS, 2020 (CONTINUED)

COUNTRY	PAPER AND PAPERBOARD	RECOVERED PAPER	MILLION TONNES			MILLION M ³	
			WOOD PULP	WOOD CHARCOAL	WOOD PELLETS AND OTHER AGGLOMERATES	SAWNWOOD	WOOD-BASED PANELS
Indonesia	11 953	3 233	8 652	664	340	2 500	4 943
Iran (Islamic Republic of)	766	80	212	0		21	2 947
Iraq	13	205		23		12	5
Ireland	60	369	0	0	38	1 014	808
Israel	403	305	0	0		0	123
Italy	8 514	5 207	223	10	420	900	3 863
Jamaica	0	12		11		66	0
Japan	22 702	18 866	7 241	13	125	9 030	5 028
Jordan	54	100		51		0	0
Kazakhstan	265	38	0	2	0	636	239
Kenya	0	38	0	1 208		279	78
Kiribati				0		0	0
Kuwait	37	170		3		0	0
Kyrgyzstan	1	0	0	0	0	144	0
Lao People's Democratic Republic		216	370	93		185	51
Latvia	25	77	0	8	2 318	3 899	1 393
Lebanon	103	26		3		0	46
Lesotho		3		114		7	0
Liberia				334		133	0
Libya	6	37		117		31	0
Lithuania	128	128	0	1	751	1 038	903
Luxembourg	0	65	0	0	63	78	485
Madagascar	33	1		1 505		76	5
Malawi		1		618		103	59
Malaysia	1 750	1 200	131	29	795	3 150	3 520
Maldives				1		0	0
Mali		77		334		141	50
Malta	0	17	0	0	0	0	0
Marshall Islands						0	0
Mauritania	1			237		14	1
Mauritius	0	10	0	0	0	1	0
Mexico	5 935	4 629	122	124	4	3 077	1 043
Micronesia (Federated States of)				0		0	0
Mongolia				18	20	19	1
Montenegro	0	11	0	2	82	131	0
Morocco	156	140	70	120	5	55	103
Mozambique	2	5		263		562	1
Myanmar	356	484		438		1 670	116
Namibia		20		257		1	1
Nauru						0	0
Nepal	13	38		92		630	0
Netherlands	2 869	2 490	37	0	322	136	29

TABLE 28.
PRODUCTION OF SELECTED FOREST PRODUCTS, 2020 (CONTINUED)

COUNTRY	PAPER AND PAPERBOARD	RECOVERED PAPER	MILLION TONNES			MILLION M ³	
			WOOD PULP	WOOD CHARCOAL	WOOD PELLETS AND OTHER AGGLOMERATES	SAWNWOOD	WOOD-BASED PANELS
New Zealand	663	268	1 290	0	75	4 336	1 110
Nicaragua		35		16		60	10
Niger				794		4	0
Nigeria	19	20	23	4 751		2 002	96
North Macedonia	28	17	0	0	0	7	0
Norway	933	533	983	0	96	2 683	458
Oman	4	80		8		0	0
Pakistan	606	163	82	91		1 381	334
Palau						0	0
Panama	0	26		5		24	2
Papua New Guinea		0		7		340	64
Paraguay	67	30		430		550	81
Peru	556	72	0	36		746	80
Philippines	755	912	0	247		246	213
Poland	4 901	2 950	1 717	95	1 700	4 880	11 400
Portugal	1 900	923	2 683	10	859	690	1 143
Qatar	3	15		1		0	0
Republic of Korea	11 984	8 704	440	8	243	1 998	2 617
Republic of Moldova	8	16	0	1	24	13	0
Romania	500	550	0	0	750	5 595	4 110
Russian Federation	9 527	3 450	8 765	55	3 570	41 797	15 937
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		52		0	0
Senegal	0	0		300		31	0
Serbia	577	208	0	26	460	470	252
Seychelles	0	0	0	0		0	0
Sierra Leone				483		30	0
Singapore	87	700		5		1	12
Slovakia	763	350	687	4	251	1 522	1 015
Slovenia	706	327	89	1	153	1 002	213
Solomon Islands				2		31	
Somalia				1 414		14	0
South Africa	1 801	1 277	1 994	62	15	2 200	1 513
South Sudan				289		20	0
Spain	6 297	4 418	1 425	60	652	2 790	3 727
Sri Lanka	25	170	3	2		61	156

TABLE 28.
PRODUCTION OF SELECTED FOREST PRODUCTS, 2020 (CONTINUED)

COUNTRY	PAPER AND PAPERBOARD	RECOVERED PAPER	MILLION TONNES			MILLION M ³	
			WOOD PULP	WOOD CHARCOAL	WOOD PELLETS AND OTHER AGGLOMERATES	SAWNWOOD	WOOD-BASED PANELS
Sudan	4	6		588		11	0
Suriname		1		9		161	2
Sweden	9 333	998	12 034	1	1 900	18 600	653
Switzerland	1 168	1 209	72	0	270	1 171	565
Syrian Arab Republic	75			3		9	17
Tajikistan	0		0			0	0
Thailand	5 621	2 967	1 074	1 535	61	4 300	7 705
Timor-Leste				0		0	0
Togo		1		288		67	1
Tonga				0		1	0
Trinidad and Tobago	15	7		2		31	0
Tunisia	148	40		204	9	24	113
Türkiye	2 800	1 534	70	1	20	9 375	9 081
Turkmenistan	0	0	0	0	0	0	0
Tuvalu						0	0
Uganda	0			1 202		440	110
Ukraine	1 097	725	0	165	1 070	3 748	2 468
United Arab Emirates	246	500		3		0	0
United Kingdom of Great Britain and Northern Ireland	3 628	6 576	220	5	301	3 378	2 952
United Republic of Tanzania	40	2	56	2 151		73	29
United States of America	66 239	42 248	50 871	852	8 524	79 134	33 407
Uruguay	49	70	2 793	118	0	580	320
Uzbekistan	73	1	0	0	0	23	305
Vanuatu				1		14	0
Venezuela (Bolivarian Republic of)	336	201	18	20		950	310
Viet Nam	1 742	120	540	414	3 440	6 000	2 490
Yemen	0	1		25		0	0
Zambia	1			1 296	46	190	21
Zimbabwe	0	70		12		198	55

Source: FAO. 2022. FAOSTAT: Forestry Production and Trade. In: FAO. Rome. Cited October 2022. <https://www.fao.org/faostat/en/#data/FO>

TABLE 29.
FOOD EXPORTS, 2020 (USD MILLION)

COUNTRY	FOOD EXCLUDING FISH								FISH	ALL FOOD
	FRUIT AND VEGETABLES	CEREALS AND PREPARATIONS	MEAT AND MEAT PREPARATIONS	BEVERAGES	FATS AND OILS (EXCLUDING BUTTER)	DAIRY PRODUCTS AND EGGS	SUGAR AND HONEY	OTHER FOOD		
World	282 667	205 907	155 214	107 748	94 192	85 653	45 112	302 358	143 398	1 422 249
Africa	16 645	2 559	667	1 421	2 553	681	2 468	18 511	6 218	51 725
Americas	80 833	59 512	54 506	17 946	15 500	8 246	15 937	109 171	26 770	388 422
Asia	78 476	38 912	12 670	12 154	40 644	5 980	11 164	58 258	54 162	312 421
Europe	100 704	98 043	71 773	72 359	34 389	58 735	13 820	111 458	53 371	614 654
Oceania	6 008	6 880	15 597	3 867	1 107	12 011	1 723	4 960	2 876	55 028
Afghanistan	543	2	0	0	0	0	0	84	0	630
Albania	110	4		1	0	1		1	119	235
Algeria	140	16	1	5	114	1	197	10	19	501
Andorra									0	
Angola	5	10	0	0	11	0	1	2	35	66
Antigua and Barbuda	1	2	0	0	1	0	0	0	1	5
Argentina	2 960	9 400	3 305	826	4 345	848	298	2 696	1 631	26 308
Armenia	134	2	4	235	0	13	1	41	54	484
Australia	2 833	5 209	10 147	2 235	430	1 726	1 211	3 417	856	28 063
Austria	1 435	1 805	1 890	3 798	300	1 527	262	2 347	93	13 458
Azerbaijan	632	2	0	12	25	15	27	19	1	734
Bahamas	0	0		1	0		0	0	72	73
Bahrain	9	104	1	0	0	97	1	82	79	374
Bangladesh	46	88	1	23	139	8	11	61	424	801
Barbados	3	13	1	45	12	0	1	4	0	80
Belarus	522	127	973	160	326	2 420	174	200	345	5 247
Belgium	9 618	5 024	4 354	3 952	1 676	4 020	1 254	8 778	1 040	39 717
Belize	76	2	0	13	1	0	60	5	19	176
Benin	120	1	0	1	17	0	2	16	0	158
Bhutan	13	0		5			0	3	0	21
Bolivia (Plurinational State of)	208	118	71	1	335	22	51	95	0	900
Bosnia and Herzegovina	111	62	57	36	62	56	4	52	17	458
Botswana	9	5	20	1	0	0	0	41	1	77
Brazil	3 203	6 862	16 855	153	1 031	111	8 986	35 694	254	73 149
Brunei Darussalam	0	0	1	0	0	0	0	1	7	10
Bulgaria	421	1 665	187	232	482	180	145	1 219	78	4 610
Burkina Faso	145	28	0	3	36	0	0	73	0	286
Burundi	1	10	0	9	0	0	0	52	0	73
Cabo Verde		0		1			0	0	43	45
Cambodia	495	520	0	3	12	5	62	31	76	1 204
Cameroon	195	11	0	2	2	0	1	878	4	1 093
Canada	8 215	12 813	6 626	1 135	3 420	415	1 013	12 849	4 854	51 339
Central African Republic	0	0		0	0		0	16	0	17
Chad	1	0	0	0	0	0	0	109	0	110
Chile	7 161	432	1 356	1 841	156	119	25	372	5 318	16 780

TABLE 29.
FOOD EXPORTS, 2020 (USD MILLION) (CONTINUED)

COUNTRY	FOOD EXCLUDING FISH								FISH	ALL FOOD
	FRUIT AND VEGETABLES	CEREALS AND PREPARATIONS	MEAT AND MEAT PREPARATIONS	BEVERAGES	FATS AND OILS (EXCLUDING BUTTER)	DAIRY PRODUCTS AND EGGS	SUGAR AND HONEY	OTHER FOOD		
China	28 509	3 314	2 738	2 813	530	802	2 144	14 627	20 167	75 642
Colombia	1 409	233	126	27	588	17	506	3 180	150	6 237
Comoros				0				13	0	13
Congo	0	2	0	2	1	0	2	2	6	16
Costa Rica	2 698	157	147	56	191	145	99	971	105	4 568
Côte d'Ivoire	1 011	24	0	1	72	0	4	5 731	157	7 000
Croatia	182	584	205	156	83	84	61	861	262	2 478
Cuba	2	0		68	0	0	216	8	54	348
Cyprus	97	6	6	31	5	310	0	17	32	505
Czechia	503	1 552	432	687	370	910	333	1 999	180	6 965
Democratic People's Republic of Korea	45	0		1			0	7	9	62
Democratic Republic of the Congo	0	1	0	0	2	0	0	106	1	112
Denmark	601	1 813	4 840	943	567	2 576	278	2 963	4 109	18 692
Djibouti	12	1	0	0	0	0	107	30	0	150
Dominica	2	0		0	0		0	0	0	3
Dominican Republic	501	110	11	126	32	5	136	316	10	1 247
Ecuador	4 361	58	0	5	154	1	34	1 033	5 351	10 995
Egypt	2 929	359	12	21	222	249	234	527	39	4 592
El Salvador	72	204	10	92	26	45	289	219	89	1 046
Equatorial Guinea	0			0			0	1	0	1
Eritrea	0	0		0	0		0	0	0	1
Estonia	95	355	114	131	77	237	8	276	186	1 479
Eswatini	49	2	3	19	0	1	440	8	0	522
Ethiopia	284	11	96	2	2	0	3	1 138	0	1 536
Fiji	30	51	4	131	3	1	56	15	96	387
Finland	63	337	197	164	20	504	47	186	194	1 713
France	6 165	13 033	4 204	16 608	1 445	7 149	1 412	10 551	1 503	62 070
Gabon	0	0	0	0	15	0	0	0	3	18
Gambia	1	1	0	0	1	0	0	1	1	5
Georgia	211	3	25	497	5	11	3	80	7	841
Germany	6 978	11 064	10 483	5 460	2 878	10 186	2 713	17 750	2 455	69 967
Ghana	543	41	0	6	208	10	0	2 115	79	3 002
Greece	2 785	560	140	268	653	893	78	629	830	6 836
Grenada	1	3	0	3	0	0	0	6	2	17
Guatemala	1 821	241	74	175	574	2	716	2 115	116	5 835
Guinea	57	0	0	0	1	0	0	76	13	148
Guinea-Bissau	118			0	0			1	12	131
Guyana	9	261	0	41	1	0	24	3	55	393
Haiti	18	2	0	7	1	0	0	8	18	52
Honduras	735	104	24	20	362	27	69	1 012	325	2 678
Hungary	1 067	2 098	1 298	395	638	413	319	2 227	12	8 467

TABLE 29.
FOOD EXPORTS, 2020 (USD MILLION) (CONTINUED)

COUNTRY	FOOD EXCLUDING FISH								FISH	ALL FOOD
	FRUIT AND VEGETABLES	CEREALS AND PREPARATIONS	MEAT AND MEAT PREPARATIONS	BEVERAGES	FATS AND OILS (EXCLUDING BUTTER)	DAIRY PRODUCTS AND EGGS	SUGAR AND HONEY	OTHER FOOD		
Iceland	1	0	12	25	8	7	0	24	2 010	2 088
India	4 050	9 422	3 109	222	1 388	236	2 847	5 295	5 732	32 300
Indonesia	1 491	884	16	93	20 397	56	308	5 200	4 781	33 224
Iran (Islamic Republic of)	1 773	312	58	0	0	209	180	231	230	2 993
Iraq	90	4	3	1	2	1	3	3	0	107
Ireland	371	2 575	4 394	1 631	97	3 335	138	1 266	605	14 412
Israel	1 215	122	41	73	34	9	26	274	13	1 807
Italy	10 122	6 890	3 295	10 405	2 344	4 066	388	8 524	811	46 846
Jamaica	79	25	2	111	0	5	7	70	12	311
Japan	446	820	323	995	102	81	138	2 391	1 873	7 169
Jordan	407	60	97	28	10	75	30	312	3	1 021
Kazakhstan	136	1 927	60	65	200	66	47	488	67	3 056
Kenya	650	94	69	34	187	1	56	1 594	25	2 712
Kiribati				0	1			0	155	156
Kuwait	60	86	42	43	6	84	12	47	1	382
Kyrgyzstan	123	16	2	5	0	45	3	30	6	229
Lao People's Democratic Republic	359	165	0	10	0		62	165	0	761
Latvia	271	924	126	968	22	325	22	512	233	3 403
Lebanon	306	63	15	64	49	4	19	148	2	670
Lesotho	1	19	0	0	0	0	0	1	5	26
Liberia	0	0		0	14	0		34	4	51
Libya	8	0		0	0	0	1	0	13	21
Lithuania	537	1 403	298	453	72	600	136	962	676	5 139
Luxembourg	237	129	48	146	3	435	1	165	13	1 177
Madagascar	93	0	0	1	1	0	6	629	138	869
Malawi	85	3	0	0	0	1	76	97	0	262
Malaysia	593	1 249	159	541	13 123	418	287	3 528	780	20 678
Maldives	0	0	0	0	0	0	0	0	167	168
Mali	23	1	0	0	0	0	0	187	0	212
Malta	1	26	0	5	0	1	0	74	162	270
Marshall Islands									65	
Mauritania	0	0	0	0				19	609	629
Mauritius	4	10	0	11	0	1	187	16	321	551
Mexico	17 096	2 532	2 576	7 545	326	132	1 265	2 622	1 026	35 119
Micronesia (Federated States of)									126	
Mongolia	1	1	78	1	1	0	0	15	0	95
Montenegro	9	1	18	17	1	0	0	4	0	49
Morocco	3 148	23	2	24	145	51	314	205	2 064	5 977
Mozambique	148	11	0	2	19	0	44	95	49	368
Myanmar	2 087	1 170	3	7	1	0	108	470	797	4 645
Namibia	66	8	57	45	1	1	1	91	646	916

TABLE 29.
FOOD EXPORTS, 2020 (USD MILLION) (CONTINUED)

COUNTRY	FOOD EXCLUDING FISH								FISH	ALL FOOD
	FRUIT AND VEGETABLES	CEREALS AND PREPARATIONS	MEAT AND MEAT PREPARATIONS	BEVERAGES	FATS AND OILS (EXCLUDING BUTTER)	DAIRY PRODUCTS AND EGGS	SUGAR AND HONEY	OTHER FOOD		
Nauru				0		0		0		
Nepal	45	9	0	26	231	0	0	91	0	402
Netherlands	23 608	6 817	11 044	5 678	4 519	9 440	1 730	16 222	5 395	84 452
New Zealand	3 117	1 619	5 446	1 497	122	10 284	455	1 250	1 086	24 875
Nicaragua	305	22	567	58	73	189	178	495	264	2 150
Niger	22	5	0	1	130	1	6	24	1	190
Nigeria	224	3	0	6	21	8	1	1 010	30	1 304
North Macedonia	201	71	25	65	3	3	6	53	5	434
Norway	23	55	28	110	80	68	5	288	10 797	11 455
Oman	64	106	39	22	106	96	5	166	315	919
Pakistan	724	2 203	314	1	45	33	121	215	376	4 032
Palau									0	
Panama	176	8	20	41	20	19	27	45	78	436
Papua New Guinea	2	0	0	0	507		0	255	271	1 035
Paraguay	47	688	1 184	1	471	26	58	2 299	0	4 775
Peru	5 236	360	2	44	93	80	77	1 242	1 266	8 400
Philippines	3 005	330	14	16	877	39	96	197	786	5 361
Poland	4 249	5 347	6 862	1 156	563	2 697	897	5 835	2 644	30 252
Portugal	1 857	582	322	1 320	881	364	123	720	1 014	7 185
Qatar	1	0	0	1	1	0	0	14	0	18
Republic of Korea	1 192	731	117	779	66	65	331	2 128	1 534	6 943
Republic of Moldova	303	132	6	178	103	8	19	247	0	996
Romania	282	2 734	419	178	209	173	97	1 881	27	5 998
Russian Federation	1 018	10 283	998	560	3 842	298	736	3 467	5 290	26 493
Rwanda	17	74	0	4	35	1	8	134	9	283
Saint Kitts and Nevis	0	0		2			0	0	0	3
Saint Lucia	4	1		7	0		0	2	0	13
Saint Vincent and the Grenadines	4	10	0	3	0		0	0	3	21
Samoa	8	0	0	2	3			0	10	23
San Marino										
Sao Tome and Principe	0			0	4	0		7	0	11
Saudi Arabia	655	537	201	174	183	1 085	264	283	87	3 468
Senegal	373	86	1	21	16	10	5	164	483	1 159
Serbia	988	1 000	104	239	225	89	78	633	15	3 371
Seychelles	0	0	0	1	0			1	449	452
Sierra Leone	7	0		0	3	2	0	52	3	67
Singapore	269	1 247	114	2 294	256	206	84	7 031	200	11 701
Slovakia	226	782	226	151	160	301	233	1 222	15	3 315
Slovenia	392	301	284	172	48	207	42	545	44	2 036
Solomon Islands	7	0		0	35		0	10	37	89
Somalia	9	0		0	0		0	245	11	267
South Africa	4 650	1 172	328	987	229	217	460	786	493	9 323

TABLE 29.
FOOD EXPORTS, 2020 (USD MILLION) (CONTINUED)

COUNTRY	FOOD EXCLUDING FISH								FISH	ALL FOOD
	FRUIT AND VEGETABLES	CEREALS AND PREPARATIONS	MEAT AND MEAT PREPARATIONS	BEVERAGES	FATS AND OILS (EXCLUDING BUTTER)	DAIRY PRODUCTS AND EGGS	SUGAR AND HONEY	OTHER FOOD		
South Sudan	4	0	1	0	0	0	0	0	0	5
Spain	22 691	2 884	10 276	4 705	4 707	1 631	786	4 607	4 351	56 637
Sri Lanka	426	74	4	33	105	5	4	1 752	214	2 617
Sudan	311	1	56	0	49	0	11	822	2	1 253
Suriname	7	54	0	16	0	0	0	3	57	136
Sweden	397	1 212	229	811	624	386	193	1 519	4 345	9 717
Switzerland	108	824	88	1 967	56	793	165	4 810	5	8 816
Syrian Arab Republic	231	90	0	1	113	14	8	148	1	605
Tajikistan	20	1	0	3	0	0	0	0	0	24
Thailand	8 546	5 213	3 875	1 903	435	320	2 253	3 917	5 510	31 973
Timor-Leste	2			0	0	0	0	12	0	14
Togo	11	10	0	44	69	24	19	59	1	238
Tonga	5	0		0	0			0	2	7
Trinidad and Tobago	11	43	4	45	3	2	5	50	16	180
Tunisia	381	22	1	8	824	6	6	45	162	1 454
Türkiye	8 672	3 404	644	321	1 346	586	628	2 174	1 059	18 835
Turkmenistan	36	11		0	3		0	1	0	51
Tuvalu									10	
Uganda	95	181	2	56	70	77	76	772	128	1 456
Ukraine	575	9 806	669	207	5 747	190	389	2 279	50	19 913
United Arab Emirates	2 146	861	464	569	628	874	754	2 018	369	8 682
United Kingdom of Great Britain and Northern Ireland	1 581	3 181	2 626	8 216	498	2 163	544	5 559	2 376	26 744
United Republic of Tanzania	625	190	2	11	10	0	2	405	140	1 386
United States of America	24 305	23 974	19 708	5 415	3 149	5 395	1 763	40 782	4 378	128 870
Uruguay	80	769	1 833	20	135	640	34	930	96	4 537
Uzbekistan	1 012	243	0	17	31	8	6	31	1	1 348
Vanuatu	0	0	0	2	1			8	122	134
Venezuela (Bolivarian Republic of)	27	12	3	3	2	0	0	44	124	214
Viet Nam	7 413	3 496	99	221	163	98	272	4 382	8 246	24 390
Yemen	99	9		0	3	6	16	32	155	320
Zambia	22	104	14	88	19	14	118	44	6	429
Zimbabwe	45	17	1	2	1	4	77	25	3	174

Source: FAO. 2022. FAOSTAT: Trade: Crops and livestock products. In: *FAO*. Rome. Cited October 2022. <https://www.fao.org/faostat/en/#data/TCL> and FAO. 2022. Fisheries and Aquaculture: Global fish trade - All partners aggregated Value (1976 - 2019). In: *FAO*. Rome. Cited October 2022. https://www.fao.org/fishery/statistics-query/en/trade/trade_value

TABLE 30.
FOOD NET TRADE (USD MILLION)

COUNTRY	FOOD EXCLUDING FISH			FISH			ALL FOOD		
	2000	2010	2020	2000	2010	2020	2000	2010	2020
World									
Africa	-7 264	-26 507	-31 206	1 791	1 308	728	-5 473	-25 198	-30 478
Americas	23 968	102 909	123 533	-932	-3 055	-2 336	23 035	99 854	121 197
Asia	-46 276	-106 378	-204 217	-2 995	8 670	7 226	-49 271	-97 708	-196 992
Europe	-75	-14 200	43 445	-2 855	-7 497	-4 807	-2 930	-21 697	38 639
Oceania	13 321	25 539	33 341	1 282	1 054	1 189	14 603	26 594	34 530
Afghanistan	-212	-947	-1 644		-0	-8		-947	-1 651
Albania	-202	-655	-541	1	8	25	-201	-648	-516
Algeria	-2 374	-5 328	-7 872	-8	-44	-101	-2 382	-5 372	-7 973
Andorra				-12	-19	-18			
Angola	-398	-2 156	-1 679	-6	-85	-42	-404	-2 241	-1 721
Antigua and Barbuda	-30	-68	-76	-4	-6	-7	-34	-74	-83
Argentina	6 881	21 874	21 280	718	1 189	1 482	7 599	23 063	22 762
Armenia	-148	-400	-192	-1	3	48	-149	-398	-144
Australia	9 324	13 516	14 278	501	-231	-443	9 825	13 285	13 835
Austria	-328	107	904	-144	-384	-454	-472	-276	450
Azerbaijan	-174	-475	-940	1	-10	-32	-174	-486	-972
Bahamas	-325	-389	-381	94	55	49	-232	-334	-332
Bahrain	-346	-827	-1 218	5	-1	3	-341	-828	-1 215
Bangladesh	-1 306	-4 500	-8 314	339	524	354	-967	-3 976	-7 959
Barbados	-59	-174	-230	-10	-17	-24	-68	-192	-254
Belarus	-312	1 075	2 024	-52	-149	-85	-365	927	1 939
Belgium	2 492	4 105	5 800	-535	-859	-976	1 956	3 246	4 825
Belize	93	55	15	30	30	19	123	85	33
Benin	-72	40	-596	-7	-26	-113	-79	14	-709
Bhutan	-10	-61	-139		-3	-7		-65	-146
Bolivia (Plurinational State of)	-20	287	222	-9	-10	-21	-30	277	201
Bosnia and Herzegovina	-368	-1 112	-1 110	-9	-22	-24	-378	-1 134	-1 133
Botswana	-238	-374	-672	-10	-13	-15	-248	-387	-687
Brazil	6 353	46 949	63 959	-85	-837	-680	6 268	46 112	63 279
Brunei Darussalam	-148	-296	-442	-14	-25	-42	-162	-321	-484
Bulgaria	49	760	823	-3	-32	-33	46	728	790
Burkina Faso	-114	-130	-119	-1	-8	-23	-116	-138	-142
Burundi	13	29	-48	-0	-0	-4	13	28	-52
Cabo Verde	-70	-196	-206	1	35	36	-69	-161	-170
Cambodia	-70	-391	-1 530	29	37	50	-41	-354	-1 480
Cameroon	50	239	58	-26	-183	-240	24	56	-182
Canada	4 133	7 834	13 908	1 482	1 708	2 182	5 615	9 542	16 091
Central African Republic	2	-34	-65	-0	-4	-9	2	-38	-74
Chad	17	-96	-59	-0	-1	-2	17	-97	-61
Chile	1 550	4 847	5 375	1 530	2 705	5 059	3 080	7 551	10 434
China	-4 565	-41 048	-116 938	2 415	7 446	2 983	-2 150	-33 602	-113 955
Colombia	1 292	1 124	1 039	128	-62	-323	1 420	1 062	716

TABLE 30.
FOOD NET TRADE (USD MILLION) (CONTINUED)

COUNTRY	FOOD EXCLUDING FISH			FISH			ALL FOOD		
	2000	2010	2020	2000	2010	2020	2000	2010	2020
Comoros	-8	-55	-99	-0	-1	-4	-8	-56	-104
Congo	-128	-237	-496	-19	-16	-70	-146	-253	-566
Costa Rica	1 092	1 868	2 697	99	56	-58	1 192	1 924	2 639
Côte d'Ivoire	1 333	3 446	5 010	-3	-155	-425	1 329	3 291	4 585
Croatia	-277	-704	-738	11	33	102	-266	-671	-636
Cuba	-49	-1 061	-1 406	47	35	38	-2	-1 026	-1 368
Cyprus	-202	-693	-486	-19	-51	-37	-221	-745	-523
Czechia	-233	-1 535	-1 690	-51	-119	-176	-284	-1 654	-1 866
Democratic People's Republic of Korea	-410	-290	-455	75	19	3	-334	-271	-452
Democratic Republic of the Congo	-173	-867	-537	-26	-112	-57	-199	-979	-595
Denmark	4 054	5 625	5 760	838	961	701	4 892	6 586	6 461
Djibouti	-79	-375	-942	-2	-1	-8	-81	-377	-949
Dominica	-6	-30	-27	-2	-2	-2	-8	-32	-28
Dominican Republic	-159	-445	-1 245	-50	-128	-206	-209	-572	-1 451
Ecuador	879	2 130	4 188	567	1 456	5 247	1 446	3 586	9 435
Egypt	-2 532	-7 908	-7 655	-134	-476	-814	-2 666	-8 384	-8 469
El Salvador	-2	-363	-1 090	18	33	45	16	-330	-1 045
Equatorial Guinea	-4	-130	-239	-1	-19	-19	-5	-149	-257
Eritrea	-68	-89	-130	2	-0	0	-66	-90	-130
Estonia	-192	-227	-67	47	80	31	-145	-147	-36
Eswatini	114	80	231	-5	-3	-6	108	77	224
Ethiopia	22	417	29	-0	-1	-1	22	416	27
Fiji	44	-70	-43	25	77	51	69	7	8
Finland	-763	-2 248	-3 083	-85	-320	-318	-849	-2 568	-3 402
France	12 361	16 247	12 374	-1 859	-4 305	-4 760	10 502	11 942	7 614
Gabon	-152	-397	-471	3	-20	-64	-149	-417	-536
Gambia	-55	-146	-152	3	5	0	-52	-141	-152
Georgia	-119	-468	-128	-1	-28	-31	-120	-497	-159
Germany	-8 895	-9 832	-14 215	-1 116	-2 230	-3 313	-10 011	-12 061	-17 528
Ghana	223	-6	344	-5	-78	-67	219	-84	277
Greece	-897	-2 461	240	-28	205	350	-925	-2 256	590
Grenada	-11	-56	-73	1	3	-2	-10	-53	-75
Guatemala	874	1 736	2 971	28	31	17	902	1 767	2 988
Guinea	-102	-325	-806	4	5	7	-98	-319	-798
Guinea-Bissau	8	-29	-30	3	3	10	11	-26	-20
Guyana	109	162	94	50	48	49	159	210	143
Haiti	-295	-873	-1 344	-3	-14	-23	-298	-887	-1 367
Honduras	241	585	754	183	156	309	424	741	1 063
Hungary	1 313	2 998	3 102	-17	-59	-101	1 296	2 940	3 001
Iceland	-140	-208	-430	1 021	1 575	1 946	881	1 367	1 515
India	1 345	2 195	7 871	1 405	2 452	5 579	2 750	4 647	13 450
Indonesia	850	12 377	14 535	1 531	2 302	4 504	2 381	14 680	19 038
Iran (Islamic Republic of)	-1 619	-2 423	-4 087	44	123	182	-1 575	-2 299	-3 905

TABLE 30.
FOOD NET TRADE (USD MILLION) (CONTINUED)

COUNTRY	FOOD EXCLUDING FISH			FISH			ALL FOOD		
	2000	2010	2020	2000	2010	2020	2000	2010	2020
Iraq	-1 860	-5 912	-9 337	0	-45	-108	-1 859	-5 957	-9 444
Ireland	3 792	3 214	4 692	209	271	279	4 002	3 486	4 971
Israel	-818	-1 835	-3 721	-118	-287	-594	-937	-2 122	-4 315
Italy	-1 166	-267	10 653	-2 106	-4 578	-5 187	-3 272	-4 845	5 466
Jamaica	-104	-466	-377	-41	-80	-98	-146	-546	-475
Japan	-26 736	-38 703	-39 174	-14 413	-12 269	-10 825	-41 149	-50 972	-49 998
Jordan	-535	-1 219	-2 602	-19	-73	-125	-554	-1 292	-2 727
Kazakhstan	192	-844	-508	-7	39	-61	185	-805	-569
Kenya	385	822	147	35	56	4	420	878	151
Kiribati	-9	-23	-28	5	28	153	-4	5	125
Kuwait	-1 100	-2 074	-4 564	-20	-87	-285	-1 120	-2 160	-4 849
Kyrgyzstan	-46	-341	-237	-2	-9	1	-48	-350	-236
Lao People's Democratic Republic	-25	-181	-264	-1	-1	-10	-26	-182	-274
Latvia	-416	-117	288	13	34	27	-404	-82	314
Lebanon	-809	-1 881	-1 352	-41	-110	-59	-850	-1 991	-1 411
Lesotho	-115	-166	-288	-8	-3	-0	-122	-169	-289
Liberia	-80	-242	-318	-3	-4	-9	-83	-246	-328
Libya	-1 002	-2 009	-2 686	3	-64	-171	-999	-2 074	-2 857
Lithuania	-74	404	1 145	-20	33	101	-95	437	1 246
Luxembourg	-385	-926	-1 062	-43	-81	-113	-428	-1 007	-1 175
Madagascar	-5	-160	152	31	87	122	26	-72	273
Malawi	44	42	-11	-0	-1	-6	43	40	-17
Malaysia	1 538	8 054	6 171	47	38	-256	1 585	8 092	5 915
Maldives	-72	-220	-322	40	59	137	-33	-161	-185
Mali	23	-247	-373	-1	-12	-49	22	-259	-421
Malta	-187	-359	-397	-8	51	57	-195	-308	-340
Marshall Islands				2	50	54			
Mauritania	-135	-300	-784	87	199	607	-48	-101	-177
Mauritius	-2	-243	-475	-4	96	82	-6	-147	-393
Mexico	-754	-935	14 955	597	188	356	-157	-748	15 311
Micronesia (Federated States of)				25	23	119			
Mongolia	-69	-262	-564	-0	-3	-5	-69	-264	-569
Montenegro		-415	-431		-12	-12		-427	-443
Morocco	-788	-1 668	-1 585	934	1 209	1 878	146	-458	293
Mozambique	-177	-484	-857	91	21	-32	-86	-463	-889
Myanmar	84	406	1 664	183	475	774	267	881	2 438
Namibia	-97	22	-439	256	713	588	159	734	149
Nauru	-2	-2	-11						
Nepal	-162	-357	-1 482	-0	-2	-12	-163	-359	-1 494
Netherlands	6 337	17 529	20 361	217	440	958	6 554	17 968	21 318
New Zealand	4 097	12 666	19 989	596	917	872	4 693	13 583	20 861
Nicaragua	152	667	1 041	124	129	249	276	795	1 290
Niger	-26	-144	-680	1	-1	-6	-24	-145	-686

TABLE 30.
FOOD NET TRADE (USD MILLION) (CONTINUED)

COUNTRY	FOOD EXCLUDING FISH			FISH			ALL FOOD		
	2000	2010	2020	2000	2010	2020	2000	2010	2020
Nigeria	-815	-4 503	-4 482	-168	-768	-1 303	-983	-5 272	-5 785
North Macedonia	-80	-194	-372	-7	-17	-21	-87	-211	-393
Norway	-1 237	-4 036	-5 305	3 017	8 175	10 241	1 781	4 139	4 936
Oman	-401	-1 462	-3 094	46	92	251	-355	-1 370	-2 842
Pakistan	-751	-444	-3 092	149	258	369	-602	-186	-2 723
Palau				0	-1	-2			
Panama	-56	-610	-1 794	231	150	-13	175	-460	-1 807
Papua New Guinea	154	319	62	47	101	212	200	420	274
Paraguay	229	2 961	4 076	-2	-6	-9	228	2 955	4 067
Peru	-166	513	3 143	153	475	969	-13	987	4 111
Philippines	-713	-2 019	-5 169	328	511	328	-385	-1 509	-4 841
Poland	-22	3 874	10 132	-59	-129	86	-80	3 745	10 219
Portugal	-1 800	-3 766	-2 659	-572	-888	-1 138	-2 373	-4 654	-3 797
Qatar	-338	-1 720	-2 753	-4	-53	-103	-341	-1 773	-2 856
Republic of Korea	-4 249	-10 697	-17 159	46	-1 466	-3 619	-4 203	-12 163	-20 778
Republic of Moldova	183	266	357	-3	-41	-60	180	224	296
Romania	-399	-643	-2 265	-17	-161	-306	-416	-804	-2 571
Russian Federation	-4 835	-23 346	-2 543	1 341	502	3 274	-3 495	-22 844	731
Rwanda	-13	-58	-118	-0	-4	-47	-13	-62	-165
Saint Kitts and Nevis	-24	-39	-33	-2	-3	-3	-26	-43	-36
Saint Lucia	-46	-74	-76	-5	-7	-7	-51	-81	-83
Saint Vincent and the Grenadines	6	-52	-43	-0	-1	1	6	-53	-42
Samoa	-17	-60	-80	-1	7	2	-18	-53	-78
San Marino									
Sao Tome and Principe	-5	-26	-34	-0	-0	-0	-5	-26	-34
Saudi Arabia	-4 389	-12 191	-15 207	-96	-227	-565	-4 485	-12 418	-15 773
Senegal	-241	-915	-1 128	258	232	425	17	-683	-703
Serbia		1 214	1 548		-62	-85		1 152	1 463
Seychelles	-47	-75	-166	103	178	314	55	103	148
Sierra Leone	-104	-137	-336	10	4	-4	-94	-133	-340
Singapore	-1 310	-2 479	1 067	-86	-623	-745	-1 396	-3 103	322
Slovakia	-223	-1 054	-1 402	-24	-68	-113	-247	-1 122	-1 515
Slovenia	-300	-867	-585	-18	-55	-72	-318	-922	-657
Solomon Islands	23	-42	-29	12	15	34	35	-27	6
Somalia	-25	-157	-1 526	2	-1	-7	-23	-159	-1 533
South Africa	810	1 598	3 900	216	256	167	1 025	1 854	4 067
South Sudan			-410			-1			-412
Spain	4 726	10 120	25 206	-1 707	-3 177	-2 806	3 020	6 943	22 401
Sri Lanka	224	300	429	59	33	24	283	333	453
Sudan			-1 011			-2			-1 013
Suriname	-33	-84	-110	35	58	52	2	-26	-58
Sweden	-1 636	-4 534	-5 444	-245	-612	-697	-1 881	-5 146	-6 142
Switzerland	-2 152	-2 166	-2 218	-343	-631	-841	-2 495	-2 797	-3 059

TABLE 30.
FOOD NET TRADE (USD MILLION) (CONTINUED)

COUNTRY	FOOD EXCLUDING FISH			FISH			ALL FOOD		
	2000	2010	2020	2000	2010	2020	2000	2010	2020
Syrian Arab Republic	-351	-827	-831	-33	-58	-20	-384	-885	-852
Tajikistan	-99	-375	-710	-0	-3	-6	-99	-378	-715
Thailand	4 028	12 846	16 609	3 639	4 861	1 939	7 666	17 707	18 548
Timor-Leste	-30	-43	-156		-3	-8		-46	-165
Togo	-9	63	-98	-9	-20	-35	-17	43	-133
Tonga	-15	-36	-47	3	3	-2	-13	-33	-49
Trinidad and Tobago	-64	-415	-588	4	-17	-27	-60	-432	-615
Tunisia	-183	-732	-677	75	85	76	-108	-647	-600
Türkiye	1 398	4 575	5 847	52	206	895	1 450	4 781	6 742
Turkmenistan	-89	-289	-312	0	-4	-2	-89	-292	-314
Tuvalu	-1	-4	-2	0	12	10	-1	8	7
Uganda	68	95	466	29	122	113	97	217	579
Ukraine	696	3 845	15 309	-69	-400	-751	627	3 445	14 558
United Arab Emirates	-1 719	-6 932	-5 823	-18	-256	-340	-1 736	-7 188	-6 162
United Kingdom of Great Britain and Northern Ireland	-8 516	-23 828	-30 587	-784	-1 135	-1 542	-9 300	-24 962	-32 129
United Republic of Tanzania	10	-204	462	94	146	136	104	-58	598
United States of America	2 988	18 099	-8 260	-7 420	-10 857	-18 091	-4 431	7 242	-26 351
Uruguay	553	3 199	3 405	97	124	63	650	3 323	3 468
Uzbekistan	-225	-412	-703	-1	1	-13	-227	-410	-717
Vanuatu	-1	-22	-41	57	57	114	57	35	73
Venezuela (Bolivarian Republic of)	-1 254	-5 843	-2 439	113	-218	98	-1 141	-6 061	-2 341
Viet Nam	1 338	2 227	1 701	1 451	4 677	6 615	2 789	6 904	8 316
Yemen	-667	-2 351	-3 920	16	220	128	-651	-2 131	-3 791
Zambia	-17	76	80	-1	-8	-83	-18	68	-2
Zimbabwe	177	-908	-729	-3	-15	-5	173	-924	-734

Source: FAO. 2022. FAOSTAT: Trade:: Crops and livestock products. In: *FAO*. Rome. Cited October 2022. <https://www.fao.org/faostat/en/#data/TCL> and FAO. 2022. Fisheries and Aquaculture: Global fish trade - All partners aggregated Value (1976 - 2019). In: *FAO*. Rome. Cited October 2022. https://www.fao.org/fishery/statistics-query/en/trade/trade_value

TABLE 31.
FOOD IMPORTS, 2020 (USD MILLION)

COUNTRY	FOOD EXCLUDING FISH								FISH	ALL FOOD
	FRUIT AND VEGETABLES	CEREALS AND PREPARATIONS	MEAT AND MEAT PREPARATIONS	BEVERAGES	FATS AND OILS (EXCLUDING BUTTER)	DAIRY PRODUCTS AND EGGS	SUGAR AND HONEY	OTHER FOOD		
World	290 153	216 901	156 720	109 852	97 102	87 672	47 968	307 587	141 397	1 455 353
Africa	6 643	30 265	4 616	2 455	10 575	5 154	6 303	10 701	5 490	82 203
Americas	62 231	39 368	22 084	34 858	13 578	7 995	8 714	49 291	29 106	267 224
Asia	80 548	83 091	72 057	21 428	41 175	27 064	18 430	118 682	46 937	509 412
Europe	137 567	61 122	56 600	48 650	30 898	45 961	13 746	123 293	58 178	576 015
Oceania	3 164	3 056	1 363	2 462	877	1 498	774	5 619	1 687	20 499
Afghanistan	376	983	79	27	325	84	233	167	8	2 281
Albania	117	177	48	89	38	26	29	134	93	751
Algeria	721	3 253	90	60	779	1 507	802	1 144	120	8 474
Andorra									18	
Angola	88	695	341	47	270	85	97	85	78	1 787
Antigua and Barbuda	10	16	19	16	2	7	2	9	8	88
Argentina	542	78	100	77	73	14	31	2 483	150	3 546
Armenia	114	146	63	33	55	55	40	115	6	627
Australia	2 354	1 925	655	1 891	537	1 060	349	4 158	1 299	14 228
Austria	3 199	1 830	1 229	1 334	488	1 041	397	2 943	547	13 007
Azerbaijan	245	484	95	58	167	153	138	332	34	1 706
Bahamas	63	60	86	55	10	39	8	60	22	404
Bahrain	351	245	283	37	55	265	53	223	77	1 589
Bangladesh	1 761	2 084	28	13	1 572	409	846	1 978	70	8 761
Barbados	55	52	37	38	11	30	22	64	24	333
Belarus	861	321	126	287	158	59	91	974	430	3 307
Belgium	8 178	4 378	2 485	2 875	2 201	3 797	879	8 084	2 015	34 892
Belize	8	26	9	21	25	21	1	31	1	142
Benin	18	494	83	17	72	8	36	28	114	867
Bhutan	13	53	10	10	18	28	10	18	7	167
Bolivia (Plurinational State of)	63	292	7	45	21	28	23	199	21	699
Bosnia and Herzegovina	230	275	197	177	87	95	71	418	41	1 592
Botswana	129	207	18	108	43	54	67	122	16	764
Brazil	1 733	3 181	270	656	1 264	585	74	1 173	934	9 870
Brunei Darussalam	102	116	20	43	17	44	11	93	49	494
Bulgaria	642	330	496	366	175	269	154	1 276	111	3 820
Burkina Faso	14	226	0	12	26	25	29	73	23	428
Burundi	6	56	5	6	9	1	25	13	4	125
Cabo Verde	36	48	26	19	19	31	9	20	7	215
Cambodia	118	360	196	730	133	130	186	804	26	2 684
Cameroon	48	612	9	51	49	76	70	116	244	1 276
Canada	10 929	4 212	2 956	4 425	899	641	1 106	7 408	2 672	35 249
Central African Republic	6	21	13	3	7	4	8	20	10	91
Chad	5	57	5	8	10	9	42	33	2	170
Chile	709	1 325	1 553	379	559	343	281	937	259	6 346

TABLE 31.
FOOD IMPORTS, 2020 (USD MILLION) (CONTINUED)

COUNTRY	FOOD EXCLUDING FISH								FISH	ALL FOOD
	FRUIT AND VEGETABLES	CEREALS AND PREPARATIONS	MEAT AND MEAT PREPARATIONS	BEVERAGES	FATS AND OILS (EXCLUDING BUTTER)	DAIRY PRODUCTS AND EGGS	SUGAR AND HONEY	OTHER FOOD		
China	24 774	19 886	37 996	9 160	11 357	8 825	3 319	57 097	17 184	189 597
Colombia	592	2 206	300	232	580	207	176	754	473	5 521
Comoros	8	38	38	5	5	9	6	2	4	117
Congo	22	163	194	9	72	23	3	20	76	582
Costa Rica	328	522	127	124	103	63	46	454	163	1 929
Côte d'Ivoire	126	993	112	122	114	106	113	147	581	2 415
Croatia	565	413	459	250	129	278	102	757	161	3 114
Cuba	110	669	386	51	117	166	3	199	16	1 717
Cyprus	162	233	96	144	27	91	23	183	68	1 028
Czechia	2 047	961	1 428	702	283	728	250	2 077	355	8 831
Democratic People's Republic of Korea	13	338	4	4	94	4	39	11	6	514
Democratic Republic of the Congo	37	258	109	11	74	19	50	91	58	707
Denmark	1 969	884	1 521	1 176	555	832	276	1 610	3 408	12 231
Djibouti	70	253	8	18	517	23	151	51	8	1 099
Dominica	3	6	8	3	2	3	1	2	2	31
Dominican Republic	352	708	221	225	229	277	50	420	216	2 698
Ecuador	261	539	15	82	140	10	55	354	104	1 560
Egypt	1 114	4 785	1 692	20	970	614	138	2 875	853	13 061
El Salvador	350	514	275	113	174	267	25	329	44	2 091
Equatorial Guinea	20	48	54	72	13	16	6	11	19	258
Eritrea	10	80	1	0	12	3	11	14	0	131
Estonia	322	137	167	231	40	95	47	321	154	1 514
Eswatini	49	101	12	40	11	27	12	39	6	297
Ethiopia	91	794	6	9	372	10	148	77	2	1 509
Fiji	56	96	38	12	30	53	8	41	45	378
Finland	1 236	516	320	536	358	386	181	1 069	513	5 114
France	14 202	5 112	5 592	4 066	2 090	4 140	1 079	11 912	6 263	54 456
Gabon	40	143	160	26	30	43	7	37	67	553
Gambia	7	70	9	4	24	8	27	9	0	157
Georgia	138	228	125	54	80	79	70	188	37	1 000
Germany	25 189	7 814	8 115	6 669	3 133	8 536	1 939	20 331	5 768	87 495
Ghana	174	1 117	362	116	324	110	194	183	146	2 726
Greece	953	840	1 235	268	233	871	235	1 131	480	6 246
Grenada	11	16	17	10	4	11	4	14	4	92
Guatemala	294	930	272	211	183	232	68	557	99	2 846
Guinea	57	457	67	31	72	18	115	124	6	946
Guinea-Bissau	10	81	5	23	5	7	4	15	2	151
Guyana	32	64	9	25	14	44	11	46	6	251
Haiti	96	558	132	52	295	75	99	71	40	1 419
Honduras	203	536	163	184	73	68	38	335	16	1 616
Hungary	980	714	826	352	246	477	191	1 567	113	5 466

TABLE 31.
FOOD IMPORTS, 2020 (USD MILLION) (CONTINUED)

COUNTRY	FOOD EXCLUDING FISH								FISH	ALL FOOD
	FRUIT AND VEGETABLES	CEREALS AND PREPARATIONS	MEAT AND MEAT PREPARATIONS	BEVERAGES	FATS AND OILS (EXCLUDING BUTTER)	DAIRY PRODUCTS AND EGGS	SUGAR AND HONEY	OTHER FOOD		
Iceland	136	94	27	87	16	8	17	124	65	573
India	4 940	216	4	331	10 546	36	756	1 868	153	18 851
Indonesia	2 742	3 499	737	98	194	1 098	2 299	3 243	277	14 186
Iran (Islamic Republic of)	710	2 749	602	42	813	38	501	1 395	48	6 898
Iraq	2 212	2 936	802	186	676	939	488	1 204	108	9 551
Ireland	1 580	1 590	1 028	1 151	438	949	432	1 946	326	9 440
Israel	907	1 370	646	430	214	192	238	1 518	607	6 122
Italy	7 309	5 287	4 945	1 768	3 970	3 715	1 144	7 243	5 998	41 380
Jamaica	102	205	77	27	38	75	42	111	110	786
Japan	9 630	7 303	13 404	2 800	1 363	1 679	860	7 431	12 697	57 167
Jordan	582	921	359	147	177	287	213	934	128	3 748
Kazakhstan	792	399	367	287	241	340	260	811	128	3 625
Kenya	144	899	8	86	864	84	252	203	21	2 560
Kiribati	1	10	9	2	1	1	3	4	2	31
Kuwait	1 156	1 041	691	163	155	612	123	1 003	286	5 231
Kyrgyzstan	105	106	34	44	44	13	20	93	6	465
Lao People's Democratic Republic	131	195	22	135	27	31	64	421	10	1 035
Latvia	482	363	227	982	103	203	68	453	206	3 088
Lebanon	244	533	112	49	127	159	109	688	61	2 082
Lesotho	34	113	48	36	12	22	16	29	5	315
Liberia	16	186	57	15	31	11	12	37	13	379
Libya	336	857	187	89	160	390	111	565	184	2 878
Lithuania	771	334	355	570	207	353	81	646	575	3 893
Luxembourg	499	245	256	466	24	371	26	338	127	2 352
Madagascar	13	287	1	4	154	25	63	32	17	596
Malawi	14	84	2	7	87	11	14	55	6	279
Malaysia	2 304	2 736	947	418	1 794	994	921	3 613	1 036	14 763
Maldives	100	58	36	22	13	37	8	48	30	352
Mali	55	262	10	43	7	45	13	148	49	634
Malta	90	93	96	68	15	50	18	75	105	610
Marshall Islands									11	
Mauritania	88	229	25	3	167	85	172	34	2	806
Mauritius	106	183	75	39	46	109	30	117	239	944
Mexico	2 373	5 669	3 613	597	990	1 307	617	3 970	670	19 808
Micronesia (Federated States of)									7	
Mongolia	74	149	41	43	44	45	64	199	5	664
Montenegro	71	75	102	52	16	44	11	110	12	492
Morocco	670	2 492	30	110	576	279	509	832	186	5 684
Mozambique	78	615	50	48	232	44	35	74	81	1 257
Myanmar	69	442	9	217	700	70	62	614	24	2 207

TABLE 31.
FOOD IMPORTS, 2020 (USD MILLION) (CONTINUED)

COUNTRY	FOOD EXCLUDING FISH								FISH	ALL FOOD
	FRUIT AND VEGETABLES	CEREALS AND PREPARATIONS	MEAT AND MEAT PREPARATIONS	BEVERAGES	FATS AND OILS (EXCLUDING BUTTER)	DAIRY PRODUCTS AND EGGS	SUGAR AND HONEY	OTHER FOOD		
Namibia	92	141	69	149	41	41	83	93	58	767
Nauru	1	1	5	1	0	1	0	1		
Nepal	424	676	0	32	302	9	95	345	12	1 897
Netherlands	16 755	6 405	5 509	3 982	5 120	4 501	1 078	15 348	4 437	63 134
New Zealand	628	577	250	450	239	229	334	1 093	214	4 015
Nicaragua	65	336	58	59	87	39	24	178	15	860
Niger	30	505	7	9	105	29	65	120	8	876
Nigeria	208	2 037	13	235	1 635	423	702	502	1 333	7 089
North Macedonia	120	120	153	42	63	68	46	188	26	826
Norway	1 519	786	195	944	665	169	197	1 488	556	6 519
Oman	691	876	353	65	278	666	115	652	64	3 762
Pakistan	1 138	902	3	6	2 241	89	165	2 205	7	6 755
Palau									2	
Panama	252	447	136	711	106	158	26	316	91	2 242
Papua New Guinea	24	249	144	16	34	26	47	162	59	760
Paraguay	88	144	17	190	36	33	20	170	9	708
Peru	326	1 778	173	113	504	264	188	646	297	4 289
Philippines	1 211	3 467	1 147	250	270	979	370	2 051	458	10 202
Poland	4 605	1 770	1 970	1 134	1 258	1 086	549	5 103	2 558	20 033
Portugal	1 948	1 544	1 316	507	570	599	255	2 091	2 152	10 982
Qatar	667	494	547	72	86	284	64	556	103	2 873
Republic of Korea	3 653	4 620	5 219	936	1 315	1 075	1 105	4 647	5 153	27 721
Republic of Moldova	164	108	41	54	21	67	20	164	60	700
Romania	1 814	1 534	1 208	433	232	710	306	2 000	332	8 569
Russian Federation	8 079	1 216	1 584	2 821	1 368	2 872	308	5 498	2 016	25 762
Rwanda	42	149	1	21	31	14	108	28	55	448
Saint Kitts and Nevis	5	6	11	4	2	3	1	3	3	38
Saint Lucia	11	15	33	6	5	10	4	6	7	96
Saint Vincent and the Grenadines	3	20	17	7	2	5	3	3	2	62
Samoa	8	19	26	3	5	15	5	12	9	101
San Marino										
Sao Tome and Principe	4	15	6	9	4	3	2	2	0	45
Saudi Arabia	3 529	5 164	1 992	182	696	2 120	898	4 008	652	19 240
Senegal	174	930	18	46	242	85	108	202	58	1 862
Serbia	557	195	180	118	78	114	62	503	100	1 907
Seychelles	27	22	25	16	37	21	3	16	136	304
Sierra Leone	25	200	38	19	10	12	21	74	8	407
Singapore	1 805	970	1 169	2 432	515	967	285	2 290	945	11 379
Slovakia	972	533	870	467	165	472	111	1 113	128	4 830
Slovenia	723	448	299	186	94	203	78	546	117	2 693
Solomon Islands	2	30	16	3	6	3	7	13	3	83
Somalia	434	501	22	6	204	123	313	179	18	1 800

TABLE 31.
FOOD IMPORTS, 2020 (USD MILLION) (CONTINUED)

COUNTRY	FOOD EXCLUDING FISH								FISH	ALL FOOD
	FRUIT AND VEGETABLES	CEREALS AND PREPARATIONS	MEAT AND MEAT PREPARATIONS	BEVERAGES	FATS AND OILS (EXCLUDING BUTTER)	DAIRY PRODUCTS AND EGGS	SUGAR AND HONEY	OTHER FOOD		
South Africa	547	1 323	431	420	712	178	413	906	326	5 256
South Sudan	51	145	10	54	44	9	45	58	1	417
Spain	6 863	4 628	1 610	1 604	3 062	2 000	895	6 417	7 156	34 236
Sri Lanka	421	466	4	28	202	334	277	242	189	2 164
Sudan	194	726	4	9	242	141	664	283	3	2 265
Suriname	27	31	23	28	15	22	10	33	5	194
Sweden	2 691	1 010	1 218	1 510	761	1 048	337	2 241	5 042	15 858
Switzerland	2 859	1 268	844	2 020	367	674	297	2 701	846	11 875
Syrian Arab Republic	295	343	21	21	167	108	134	347	21	1 457
Tajikistan	37	336	40	31	114	14	72	89	6	739
Thailand	2 562	2 050	184	297	283	676	279	3 522	3 572	13 425
Timor-Leste	8	50	18	24	16	17	11	28	8	179
Togo	18	105	13	19	77	30	36	36	36	371
Tonga	5	8	21	4	1	6	2	6	3	56
Trinidad and Tobago	144	157	105	37	47	118	38	106	43	795
Tunisia	143	985	9	10	186	54	126	455	86	2 055
Türkiye	1 733	3 572	76	257	1 532	121	233	4 406	163	12 093
Turkmenistan	51	65	28	11	74	14	50	71	2	365
Tuvalu	0	0	1	0	0	0	0	0	0	2
Uganda	68	295	3	30	289	4	96	76	15	876
Ukraine	1 216	443	175	586	297	297	73	1 467	801	5 354
United Arab Emirates	3 502	2 232	1 850	668	487	1 713	644	3 041	708	14 845
United Kingdom of Great Britain and Northern Ireland	15 032	6 313	8 121	7 706	1 763	3 749	1 412	10 861	3 918	58 873
United Republic of Tanzania	55	259	11	45	207	23	106	78	4	789
United States of America	41 779	12 849	10 544	25 961	6 580	2 239	5 342	27 457	22 469	155 220
Uruguay	157	149	267	66	110	28	59	199	34	1 070
Uzbekistan	122	780	100	21	334	43	259	391	14	2 065
Vanuatu	4	21	10	4	2	3	3	5	8	61
Venezuela (Bolivarian Republic of)	156	1 052	45	27	278	560	217	195	26	2 555
Viet Nam	3 189	4 206	1 220	261	911	672	911	3 074	1 631	16 075
Yemen	486	1 837	204	92	282	361	475	349	27	4 112
Zambia	35	68	25	31	108	16	10	51	89	431
Zimbabwe	36	602	1	9	169	13	5	67	7	908

Source: FAO. 2022. FAOSTAT: Trade: Crops and livestock products. In: FAO. Rome. Cited October 2022.

<https://www.fao.org/faostat/en/#data/TCL> and FAO. 2022. Fisheries and Aquaculture: Global fish trade - All partners aggregated Value (1976 - 2019). In: FAO. Rome. Cited October 2022. https://www.fao.org/fishery/statistics-query/en/trade/trade_value

TABLE 32.
CEREALS EXPORTS (THOUSAND TONNES)

COUNTRY	2000	2005	2010	2015	2016	2017	2018	2019	2020
World	261 088.1	277 513.8	326 384.0	419 403.5	433 960.7	458 202.1	459 236.0	449 542.3	491 642.9
Africa	1 612.5	3 683.2	3 300.4	3 049.6	2 924.0	4 922.1	4 199.1	2 714.6	4 324.7
Americas	134 199.7	130 176.8	152 293.1	170 886.9	186 229.1	194 126.8	197 767.2	204 833.8	212 613.1
Asia	36 236.1	35 272.0	37 169.5	43 013.3	38 970.0	46 269.5	50 131.8	44 987.8	48 269.5
Europe	66 684.7	90 130.6	113 192.8	178 256.0	182 831.4	181 455.4	187 872.8	184 224.1	211 362.3
Oceania	22 355.1	18 251.2	20 428.1	24 197.8	23 006.3	31 428.2	19 265.1	12 782.1	15 073.3
Afghanistan			0.0	0.2	0.1	1.3	2.4	12.9	9.0
Albania	0.0	0.0	0.0	0.0	0.8			0.0	
Algeria	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.6
Andorra									
Angola	0.0	0.0	0.0	0.0	1.2	2.4	0.1	2.0	0.2
Antigua and Barbuda	0.0	0.0	0.0			0.0		0.0	5.1
Argentina	23 194.4	26 085.4	24 259.8	23 955.9	39 076.4	40 250.2	38 118.5	49 811.9	50 128.7
Armenia	0.0	0.0	0.0	0.9	0.0	0.1	0.0	0.0	0.1
Australia	22 331.1	18 248.7	20 413.7	24 189.9	22 999.6	31 423.2	19 259.1	12 774.9	15 070.6
Austria	944.4	1 265.0	1 163.1	1 246.5	1 298.7	1 332.5	1 112.7	1 179.7	1 297.4
Azerbaijan	2.5	0.6	0.3	0.0	15.9	20.9	42.8	17.7	0.0
Bahamas	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Bahrain	0.1	0.3	0.3	1.0	0.9	0.3	0.6	0.7	0.0
Bangladesh	0.7	4.5	3.9	3.6	17.0	7.0	8.3	69.5	13.0
Barbados	0.3	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Belarus	3.7	4.0	23.7	47.7	177.3	39.3	65.4	12.1	73.1
Belgium	1 644.2	1 515.3	1 471.4	1 589.6	1 645.8	1 533.5	1 653.3	1 416.1	1 427.0
Belize	0.6	0.9	10.7	10.9	6.9	9.8	17.3	7.8	6.1
Benin	2.0	5.0	580.5	0.6	0.5	0.3	1.2	2.2	0.9
Bhutan	0.3	0.1	0.4	0.1	0.0	0.0	0.0	0.0	0.0
Bolivia (Plurinational State of)	5.1	10.6	34.0	150.6	56.0	44.0	61.3	63.1	53.1
Bosnia and Herzegovina	51.0	1.5	67.8	77.9	129.0	59.6	69.3	23.5	43.5
Botswana	2.9	3.7	0.9	0.4	0.9	1.2	3.0	2.9	6.6
Brazil	35.0	1 523.7	12 565.3	31 655.2	23 224.7	30 477.3	25 005.0	44 324.0	36 227.7
Brunei Darussalam	0.0	0.0	0.3	0.0	0.0	0.2	2.1	0.2	0.1
Bulgaria	797.1	1 881.4	3 481.6	4 881.5	6 200.5	5 527.4	5 899.8	7 834.8	6 239.7
Burkina Faso	59.2	13.6	33.0	62.6	38.4	61.7	10.1	51.6	203.4
Burundi	0.0	0.0	0.8	0.2	0.0		0.6	0.1	0.0
Cabo Verde	0.0	0.1	0.0	0.0		0.0			
Cambodia	6.4	25.1	277.7	468.1	532.0	609.7	604.0	556.8	778.0
Cameroon	0.2	0.0	4.1	9.3	19.3	19.4	37.6	7.7	14.3
Canada	22 645.1	17 857.5	22 493.5	27 592.6	24 637.4	26 955.8	29 392.0	28 334.3	32 420.8
Central African Republic	0.0	0.0	0.0	0.6					
Chad	0.0	0.0	0.0	0.0	0.0			0.0	0.0
Chile	49.9	82.3	119.7	99.7	40.1	58.3	71.0	49.9	36.8
China	13 682.4	9 743.4	908.9	410.7	651.8	1 378.3	2 254.3	2 956.5	2 564.2
Colombia	0.2	1.6	1.3	3.5	4.2	3.5	2.2	1.3	3.0
Comoros	0.0	0.0	0.0			0.0	0.1		

TABLE 32.
CEREALS EXPORTS (THOUSAND TONNES) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2016	2017	2018	2019	2020
Congo	0.0	4.5	0.5		0.1	0.2	0.2	0.2	1.1
Costa Rica	6.0	4.8	3.6	6.3	8.1	10.3	8.1	13.1	23.6
Côte d'Ivoire	1.5	12.1	15.8	30.7	38.9	103.7	36.0	36.5	7.7
Croatia	353.4	68.4	480.7	817.3	919.9	906.8	1 079.2	1 290.4	1 929.1
Cuba							0.0		
Cyprus	0.0	0.0	0.2	0.1	0.1	0.2	0.1	0.1	0.1
Czechia	1 074.3	2 129.6	1 935.2	3 322.7	3 683.6	3 521.9	2 541.5	2 254.7	3 282.9
Democratic People's Republic of Korea	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.5	
Democratic Republic of the Congo	0.1	0.1	93.8	3.1	0.9	1.5	0.8	5.3	0.3
Denmark	1 908.0	799.9	2 450.9	2 268.6	1 779.1	2 002.2	1 333.2	1 364.5	1 648.3
Djibouti	0.0	0.6	0.0	5.8	0.3	0.1	0.0		0.2
Dominica		0.0	0.0	0.0	0.0	0.0			
Dominican Republic	0.0	9.5	20.1	17.8	9.9	15.7	14.0	18.3	5.5
Ecuador	93.8	64.8	26.4	2.9	2.2	2.6	33.4	36.8	45.9
Egypt	394.8	1 118.8	633.5	180.0	124.9	35.7	48.8	62.2	16.9
El Salvador	26.6	1.1	5.5	27.0	10.1	3.6	5.6	6.7	10.7
Equatorial Guinea					0.0	0.0	0.0	0.3	
Eritrea	0.0	0.5	0.0						0.0
Estonia	21.3	103.4	216.1	806.4	663.3	905.5	503.8	1 070.8	1 121.2
Eswatini	2.0	4.2	0.6	0.5	0.5	0.5	0.5	0.6	0.2
Ethiopia	1.7	16.3	57.9	18.3	5.5	32.8	2.0	1.8	1.4
Fiji	0.1	0.5	0.9	1.5	0.5	0.4	0.4	0.5	0.2
Finland	264.1	374.1	708.9	867.6	750.5	634.1	426.7	573.0	736.8
France	31 164.7	29 198.7	33 795.8	35 102.5	30 006.2	25 525.9	30 611.6	31 296.4	31 589.1
Gabon	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gambia	0.2	0.1	0.0	0.2	0.8	0.0	0.1		0.3
Georgia	7.9	61.1	47.9	18.7	11.5	22.0	19.6	9.8	1.3
Germany	13 427.3	10 045.6	11 844.3	14 547.9	13 991.2	11 293.1	7 866.6	7 912.7	12 550.4
Ghana	2.3	0.0	8.7	0.5	2.3	4.2	2.9	0.4	15.3
Greece	170.8	703.6	644.7	301.1	785.2	387.9	462.0	400.5	420.3
Grenada		0.0	0.0		0.1	0.0	0.0		
Guatemala	8.4	11.0	10.0	8.8	8.0	4.0	4.6	2.1	1.8
Guinea	0.1	3.1	10.0	2.2	0.4	0.1	0.1	0.0	0.1
Guinea-Bissau	0.0	0.0	0.0					0.0	
Guyana	200.5	209.3	149.2	188.6	241.0	156.5	135.7	285.3	579.4
Haiti	0.0			0.1	0.2	0.6	0.2	0.4	1.0
Honduras	1.6	8.4	4.1	5.5	5.2	8.4	7.3	6.2	8.7
Hungary	1 712.8	3 838.5	6 368.9	6 944.7	5 743.3	7 754.9	5 049.9	5 811.1	7 950.5
Iceland	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
India	2 390.6	5 375.9	4 839.5	12 792.4	10 717.8	12 956.2	12 977.7	10 451.2	17 296.8
Indonesia	29.3	109.7	70.8	235.1	35.2	4.4	277.0	3.7	64.6
Iran (Islamic Republic of)	2.7	1.8	520.6	79.6	0.3	89.9	70.8	3.0	9.6
Iraq	0.0	0.3	0.0			0.5	0.1	1.0	0.9

TABLE 32.
CEREALS EXPORTS (THOUSAND TONNES) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2016	2017	2018	2019	2020
Ireland	181.2	189.2	98.0	186.2	78.6	82.4	76.1	172.3	163.3
Israel	0.2	0.2	37.0	57.4	15.4	19.1	10.5	4.1	1.4
Italy	1 045.7	935.0	1 369.3	1 320.2	1 175.7	1 416.9	944.0	784.2	903.9
Jamaica	0.0	0.2	0.1	0.0	0.7	0.0	0.1	0.3	0.0
Japan	41.4	12.7	38.3	51.8	26.9	34.0	44.1	48.2	40.7
Jordan	3.2	0.7	5.2	96.5	4.5	64.9	448.9	9.2	18.0
Kazakhstan	5 679.4	2 035.8	5 301.3	4 372.7	5 333.5	5 312.4	8 120.2	7 223.2	6 370.4
Kenya	3.6	14.9	73.0	8.7	9.8	108.0	161.5	96.4	110.9
Kiribati				0.2	0.0				
Kuwait	1.3	0.1	0.2	1.3	1.4	1.1	1.2	0.0	0.5
Kyrgyzstan	1.7	0.0	5.0	0.1	0.2	1.2	0.8	1.2	5.0
Lao People's Democratic Republic	0.9	47.1	225.5	259.1	224.8	241.1	240.4	219.8	284.3
Latvia	3.5	480.4	1 285.9	2 257.4	2 524.1	2 376.6	2 079.0	2 960.3	3 478.8
Lebanon	1.9	2.9	35.4	46.6	18.7	10.9	10.0	18.2	44.5
Lesotho				0.3	0.2	0.3	0.9	0.5	0.4
Liberia	0.0	3.4	0.1	25.6	0.0	0.0	0.8	0.3	
Libya	0.1	0.1	0.0	1.9	0.8	23.4	2.8	3.7	0.0
Lithuania	139.0	1 075.0	1 379.4	3 159.9	3 506.3	3 424.2	2 142.2	3 828.8	4 937.6
Luxembourg	15.4	54.2	63.6	69.8	75.6	56.1	73.3	73.2	68.1
Madagascar	3.1	0.2	1.6	4.6	2.9	0.8	0.1	0.2	0.2
Malawi	11.0	0.5	16.8	2.1	3.5	7.5	2.4	2.3	1.0
Malaysia	19.8	10.8	10.3	86.9	90.2	52.3	34.4	32.1	72.4
Maldives									0.6
Mali	12.8	14.6	1.5	2.3	2.3	2.1	1.3	0.7	13.3
Malta	0.0	0.0	0.0	0.1	15.6	11.1	0.6	0.4	0.0
Marshall Islands									
Mauritania				0.0					
Mauritius	0.1	0.4	0.9	0.0	0.7	0.4	0.3	0.1	0.0
Mexico	554.4	450.4	1 001.5	1 658.9	3 199.8	2 237.6	1 802.7	1 486.0	575.6
Micronesia (Federated States of)									
Mongolia		0.0	0.0	1.4	0.5	0.0	1.4	3.2	1.2
Montenegro			0.1	0.1	0.0	0.0	0.0	0.1	0.4
Morocco	0.0	0.1	1.5	1.9	2.0	0.3	0.3	0.6	0.6
Mozambique	0.0	1.9	16.2	7.4	6.6	9.2	20.0	15.0	12.1
Myanmar	399.3	364.4	640.6	2 153.2	822.9	2 272.5	1 752.4	3 111.3	3 048.8
Namibia	1.4	9.4	0.3	0.5	0.3	0.0	0.0	0.1	2.8
Nauru									
Nepal	0.0	1.0	1.7	0.4	3.1	0.8	0.8	0.9	0.3
Netherlands	504.4	1 132.3	1 176.5	1 274.5	1 211.3	1 488.0	1 640.7	1 776.3	1 505.2
New Zealand	22.9	2.1	13.5	6.3	6.0	3.0	3.6	4.1	2.1
Nicaragua	0.3	2.9	9.6	14.1	11.5	9.6	13.0	9.8	6.2
Niger	0.1	1.1	38.0	35.1	223.1	419.2	271.7	17.5	5.1
Nigeria	25.7	11.9	0.2	21.7	7.9	7.0	10.2	43.5	10.4

TABLE 32.
CEREALS EXPORTS (THOUSAND TONNES) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2016	2017	2018	2019	2020
North Macedonia	2.8	5.9	6.7	13.6	15.4	26.6	44.9	36.8	29.4
Norway	0.4	0.5	0.5	0.3	0.9	1.1	1.6	1.6	1.3
Oman	36.3	11.7	42.5	29.4	22.0	14.3	21.5	0.2	1.0
Pakistan	2 047.0	2 919.3	4 414.2	4 122.1	4 008.6	3 984.9	5 571.7	4 973.5	4 051.3
Palau									
Panama	0.5	0.0	0.0	0.0	0.1	1.7	1.5	5.4	2.4
Papua New Guinea	1.0	0.0	0.0	0.0	0.0	0.0	2.1	2.4	0.2
Paraguay	297.4	1 130.3	2 656.3	4 558.0	3 531.6	2 776.1	2 508.2	4 087.9	3 193.6
Peru	8.5	8.0	11.7	50.6	64.0	67.2	63.4	98.9	108.4
Philippines	2.6	0.6	0.2	0.9	0.6	1.0	0.5	0.8	2.1
Poland	13.7	1 352.5	1 920.5	6 139.0	6 398.1	4 931.0	4 167.5	4 271.2	9 050.9
Portugal	96.8	258.3	136.6	125.9	184.2	243.3	387.9	297.9	244.1
Qatar	2.2	0.5	0.0	1.1		0.2	0.1		
Republic of Korea	1.6	0.2	4.0	2.1	2.7	7.0	67.6	53.1	55.4
Republic of Moldova	57.0	409.8	341.9	655.0	1 033.5	1 119.9	1 177.7	1 339.0	617.8
Romania	349.8	1 009.9	5 360.3	10 492.3	11 797.8	11 035.2	11 873.3	13 950.5	11 310.6
Russian Federation	1 030.4	12 183.7	13 788.4	30 686.1	33 842.2	43 218.7	54 796.0	39 380.2	44 851.5
Rwanda	0.0	0.2	1.9	33.7	49.0	59.5	55.4	58.0	46.0
Saint Kitts and Nevis		0.0	0.0		0.0			0.0	
Saint Lucia		0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Saint Vincent and the Grenadines	2.9	4.2	3.3	2.8	2.4	2.4	1.6	0.6	0.1
Samoa	0.0	0.0	0.0			0.0	0.0	0.1	0.0
San Marino									
Sao Tome and Principe			0.0	0.0					
Saudi Arabia	7.2	16.9	29.7	13.4	10.7	24.0	12.5	0.0	4.3
Senegal	0.4	7.9	55.8	111.7	139.2	85.2	118.2	135.7	64.8
Serbia			2 110.6	2 622.7	2 937.9	2 051.0	2 497.2	3 508.3	4 219.1
Seychelles	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Sierra Leone				0.0	0.0		0.0		0.0
Singapore	8.8	86.0	46.0	137.7	60.8	71.5	42.3	80.8	101.5
Slovakia	275.7	528.4	682.4	1 870.8	2 079.1	1 895.1	1 382.4	1 415.5	2 060.7
Slovenia	74.6	32.0	214.9	292.1	402.9	529.2	689.5	903.0	988.8
Solomon Islands	0.0	0.0	0.0			1.6			
Somalia				0.0	0.0	0.1	0.1	0.1	0.0
South Africa	753.2	2 180.6	1 291.4	1 127.7	1 245.5	2 405.0	2 387.5	1 440.7	2 904.1
South Sudan				0.0	0.0	0.0	0.0	0.7	0.1
Spain	1 017.3	681.2	1 137.9	993.0	859.8	916.4	1 129.0	1 177.1	1 155.6
Sri Lanka	2.0	14.1	15.5	17.1	8.2	8.3	6.2	5.3	12.3
Sudan				6.3	7.9	566.0	47.1	105.7	1.7
Suriname	37.3	29.9	76.7	27.4	69.9	58.7	55.7	78.6	77.5
Sweden	1 453.8	965.3	991.4	1 983.3	1 762.5	1 432.7	954.7	1 083.2	1 778.5
Switzerland	0.4	0.8	1.6	4.2	6.5	3.4	4.3	7.2	5.3
Syrian Arab Republic	1.7	458.8	31.0	28.8	0.0	0.5	0.0	52.6	525.3
Tajikistan		3.7	1.6	9.7	1.2	0.7	0.3	0.4	0.1

TABLE 32.
CEREALS EXPORTS (THOUSAND TONNES) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2016	2017	2018	2019	2020
Thailand	6 153.2	7 581.0	9 404.6	9 899.4	10 481.8	12 208.9	11 315.7	7 864.6	5 698.5
Timor-Leste						0.0	0.1		
Togo	2.5	0.1	5.6	1.8	0.6	2.9	2.6	0.8	2.4
Tonga			0.0			0.0	0.0		0.0
Trinidad and Tobago	1.9	22.5	7.0	2.1	0.3	1.2	0.6	0.8	0.4
Tunisia	39.3	12.0	0.0	11.1	4.9	0.6	5.3	0.4	1.9
Türkiye	1 980.3	745.8	1 737.0	172.0	134.4	224.9	195.2	1 079.9	793.5
Turkmenistan				12.8	56.6	26.0	30.0	37.3	39.0
Tuvalu									
Uganda	6.9	73.8	186.5	448.2	387.9	584.6	666.5	300.9	335.9
Ukraine	1 283.8	12 488.7	11 974.7	37 426.3	40 237.2	41 826.7	41 678.3	41 806.0	51 316.0
United Arab Emirates	227.2	261.1	1 401.6	563.3	566.1	399.1	408.8	327.2	230.5
United Kingdom of Great Britain and Northern Ireland	5 300.7	3 417.4	4 498.4	3 861.6	4 911.3	1 945.4	1 457.5	3 010.7	2 365.6
United Republic of Tanzania	75.4	115.7	99.4	150.4	74.4	25.9	231.1	264.1	469.5
United States of America	86 237.3	81 835.6	86 434.6	79 463.8	90 458.7	89 636.6	99 581.4	74 841.3	87 701.5
Uruguay	726.9	808.7	2 384.8	1 383.8	1 559.7	1 335.4	862.8	1 263.1	1 389.4
Uzbekistan	2.8	57.3	134.1	200.0	200.1	277.9	107.1	113.7	57.6
Vanuatu	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	6 641.0	4 879.8	5 896.7	5 397.4	5 627.2	6 054.5
Yemen	3.7	56.9	15.2	19.9	8.1	16.3	23.6	12.4	13.0
Zambia	14.6	47.3	64.0	728.9	517.3	330.8	63.3	43.7	65.0
Zimbabwe	142.5	1.3	0.2	2.5	2.1	19.6	5.9	9.0	6.7

Source: FAO. 2022. FAOSTAT: Trade: Crops and livestock products. In: *FAO*. Rome. Cited October 2022. <https://www.fao.org/faostat/en/#data/TCL>

TABLE 33.
CEREALS IMPORTS AND EXPORTS BY MAIN COMMODITIES, 2020 (THOUSAND TONNES)

COUNTRY	IMPORTS				EXPORTS			
	MAIZE	WHEAT	RICE	OTHER	MAIZE	WHEAT	RICE	OTHER
World	185 237.5	192 784.0	45 274.6	47 856.8	192 891.2	198 526.6	45 594.9	54 630.2
Africa	21 315.1	47 604.3	15 504.5	4 685.7	3 206.7	202.1	644.4	271.5
Americas	41 169.7	22 677.8	6 584.4	4 250.5	126 774.8	63 922.6	6 912.9	15 002.8
Asia	84 069.4	85 480.6	17 607.9	24 112.8	4 367.0	6 567.5	35 551.9	1 783.2
Europe	38 565.1	35 662.0	4 876.1	14 713.7	58 491.4	117 433.8	2 441.2	32 995.9
Oceania	118.2	1 359.3	701.6	94.1	51.3	10 400.7	44.6	4 576.8
Afghanistan	2.8	496.2	383.2	15.5	0.2	0.0	0.0	8.8
Albania	83.4	239.7	14.2	6.6			0.0	
Algeria	5 010.4	7 053.6	140.4	866.8	0.0	0.0	0.6	-0.0
Andorra								
Angola	42.3	579.7	499.4	0.3	0.1		0.0	0.1
Antigua and Barbuda	0.1	0.0	3.0	0.1	0.1		5.0	
Argentina	3.9	0.0	9.0	17.7	36 882.0	10 196.9	329.3	2 720.5
Armenia	71.7	349.8	11.1	26.1		0.1	0.0	0.0
Australia	4.0	482.2	276.4	10.3	50.0	10 400.4	44.0	4 576.2
Austria	967.3	1 151.7	44.6	323.1	542.8	619.2	3.4	132.0
Azerbaijan	48.6	1 365.1	56.5	56.6			0.0	0.0
Bahamas	2.4	0.0	3.4	0.2			0.0	
Bahrain	19.3	81.4	79.7	5.8	0.0	0.0	0.0	0.0
Bangladesh	2 218.7	6 015.0	19.0	28.1	0.0	0.0	13.0	0.0
Barbados	31.5	12.5	4.5	0.1	0.0		0.0	-0.0
Belarus	105.0	17.8	29.6	157.4	36.3	21.7	0.3	14.9
Belgium	1 923.0	3 852.3	613.5	2 240.4	144.6	637.8	409.5	235.0
Belize	0.9	28.0	0.3	0.2	5.1		1.0	-0.0
Benin	3.3	29.0	876.0	0.0	0.0		0.9	-0.0
Bhutan	18.8	3.3	90.4	0.4			0.0	
Bolivia (Plurinational State of)	63.1	114.3	16.9	3.2	3.5		0.0	49.7
Bosnia and Herzegovina	170.5	337.4	8.3	25.2	6.7	36.5	0.1	0.3
Botswana	295.4	131.0	38.9	0.5	1.2	0.3	0.7	4.5
Brazil	1 372.3	6 159.9	869.2	695.5	34 431.9	560.9	1 217.9	17.0
Brunei Darussalam	3.9	0.0	34.1	0.0	0.0		0.0	
Bulgaria	27.8	28.7	85.1	2.9	2 559.6	3 223.2	88.7	368.1
Burkina Faso	3.3	149.9	404.8	3.6	145.9		3.4	54.0
Burundi	16.0	83.6	16.8	20.6	0.0		0.0	
Cabo Verde	39.0	21.7	27.3	0.1			0.0	
Cambodia	61.1	35.4	17.8	0.4	147.1		630.9	0.0
Cameroon	28.5	815.8	599.7	26.5	0.1	0.0	14.3	0.0
Canada	1 792.8	182.2	478.6	181.9	1 132.5	26 110.5	15.3	5 162.5
Central African Republic	0.3	0.0	14.4	0.5			0.0	
Chad	10.0	30.0	1.5	25.0			0.0	
Chile	2 789.0	1 150.4	198.8	175.9	31.0	0.0	0.1	5.6
China	15 738.8	9 569.9	3 348.2	13 204.1	2.7	0.0	2 506.5	55.0
Colombia	6 162.4	1 934.6	216.8	345.6	1.0	0.0	2.0	0.0

TABLE 33.
CEREALS IMPORTS AND EXPORTS BY MAIN COMMODITIES, 2020 (THOUSAND TONNES) (CONTINUED)

COUNTRY	IMPORTS				EXPORTS			
	MAIZE	WHEAT	RICE	OTHER	MAIZE	WHEAT	RICE	OTHER
Comoros	0.0	0.0	59.5	0.0			0.0	
Congo	17.6	196.4	80.2	1.6		0.0	1.1	0.0
Costa Rica	954.5	271.9	163.3	1.2	6.8	0.0	16.8	0.0
Côte d'Ivoire	4.5	667.3	1 338.3	20.3	3.3	0.0	4.3	0.1
Croatia	76.5	140.2	11.3	27.0	1 213.1	572.2	0.1	143.7
Cuba	778.5	599.7	617.9	1.0			0.0	
Cyprus	289.0	35.9	8.6	164.1		0.1	0.1	0.0
Czechia	173.8	71.9	111.5	68.6	312.9	2 497.6	20.8	451.7
Democratic People's Republic of Korea	300.0	230.0	120.0	0.1			0.0	
Democratic Republic of the Congo	77.0	358.6	201.8	0.5	0.0	0.0	0.2	0.1
Denmark	190.6	147.8	42.3	142.6	64.3	804.4	7.8	771.8
Djibouti	7.6	53.4	352.6	30.0			0.0	0.2
Dominica	0.0		2.2	0.1			0.0	
Dominican Republic	1 280.4	518.9	37.0	15.6	1.3	0.3	3.8	0.0
Ecuador	67.2	1 266.2	1.0	43.8	0.0		44.1	1.9
Egypt	7 880.0	9 042.6	75.0	7.7	9.0	0.0	0.0	7.9
El Salvador	685.5	269.8	80.5	0.6	6.7	1.6	2.2	0.2
Equatorial Guinea	0.1	0.0	32.5	0.1			0.0	
Eritrea	0.1	35.0	1.5	63.6			0.0	
Estonia	26.0	10.0	4.1	17.1	0.1	710.0	0.4	410.8
Eswatini	185.6	52.6	41.8	4.3	0.1		0.1	0.0
Ethiopia	106.9	1 054.9	386.4	117.1		0.0	0.0	1.4
Fiji	0.0	166.2	43.7	0.1			0.2	
Finland	22.8	4.9	29.7	2.2	0.0	152.8	0.1	584.0
France	661.4	263.2	613.2	144.4	4 558.7	19 792.6	45.9	7 192.0
Gabon	0.6	111.0	59.6	0.2			0.0	0.0
Gambia	0.3		266.7	0.6			0.3	
Georgia	118.7	490.9	12.3	24.8	0.6	0.0	0.5	0.3
Germany	3 802.9	3 999.4	460.8	3 514.2	394.1	9 259.5	71.5	2 825.4
Ghana	5.8	803.9	1 320.0	0.9	14.4	0.0	0.8	0.1
Greece	669.6	894.9	31.2	86.5	8.3	286.9	113.3	11.8
Grenada	3.1	6.2	1.8	0.0			0.0	
Guatemala	1 467.9	638.7	129.1	3.2	1.1	0.0	0.7	0.0
Guinea	1.3	350.9	663.1	0.0	0.0	0.0	0.1	0.1
Guinea-Bissau	0.0		156.0				0.0	
Guyana	37.2	26.3	0.0	0.1	0.0		579.4	0.0
Haiti	10.6	250.3	549.7	1.5	0.9		0.1	0.1
Honduras	715.6	277.0	114.6	0.6	0.8		7.9	0.0
Hungary	168.7	133.9	45.7	45.9	4 040.5	2 979.3	4.7	926.0
Iceland	22.8	36.9	1.7	13.4			0.0	0.0
India	231.8	0.2	4.4	100.6	1 766.9	928.7	14 462.8	138.4
Indonesia	865.7	10 299.7	356.3	81.3	64.3	0.0	0.4	-0.0
Iran (Islamic Republic of)	6 205.1	1 181.6	1 112.2	829.3	3.4		4.3	1.8

TABLE 33.
CEREALS IMPORTS AND EXPORTS BY MAIN COMMODITIES, 2020 (THOUSAND TONNES) (CONTINUED)

COUNTRY	IMPORTS				EXPORTS			
	MAIZE	WHEAT	RICE	OTHER	MAIZE	WHEAT	RICE	OTHER
Iraq	772.0	1 068.0	1 004.0	67.6	0.0	0.8	0.1	0.0
Ireland	1 313.4	255.1	28.9	213.0	89.3	29.7	0.5	43.8
Israel	1 785.0	1 597.8	160.3	438.1	1.0	0.0	0.2	0.2
Italy	5 994.6	7 994.4	201.2	646.5	41.2	61.0	749.3	52.3
Jamaica	278.0	177.0	56.1	0.3	0.0		0.0	0.0
Japan	15 770.1	5 373.9	676.4	1 707.2	0.0		40.4	0.3
Jordan	777.3	878.3	195.2	531.6	8.4	1.4	1.3	6.8
Kazakhstan	6.3	634.2	9.3	80.1	68.8	5 198.9	102.1	1 000.6
Kenya	472.8	1 882.4	598.7	68.0	7.1	1.0	0.4	102.3
Kiribati	0.0		11.9	-0.0			0.0	
Kuwait	111.3	507.9	258.7	451.1	0.0	0.1	0.3	0.0
Kyrgyzstan	0.7	134.6	5.0	0.5	3.7	0.1	1.3	0.0
Lao People's Democratic Republic	5.7	3.1	127.4	0.0	166.8		102.8	14.7
Latvia	93.8	763.3	8.9	140.9	39.4	3 011.6	2.0	425.7
Lebanon	557.1	630.5	127.3	54.3	15.4	0.8	22.6	5.8
Lesotho	57.0	71.0	8.5	1.1	0.4	0.0	0.0	0.0
Liberia	1.5	35.7	374.6	0.0			0.0	
Libya	770.0	1 132.5	116.4	799.1			0.0	
Lithuania	321.3	113.4	26.4	76.1	235.0	3 979.2	13.0	710.4
Luxembourg	15.1	139.3	3.9	5.7	12.5	30.4	0.1	25.2
Madagascar	1.1	76.0	478.3	9.8	0.1		0.0	0.0
Malawi	5.8	127.5	2.4	0.0	0.6		0.2	0.1
Malaysia	3 848.5	1 390.6	1 218.7	48.2	13.7	0.4	57.2	1.2
Maldives	0.1	0.0	37.1	0.1		0.6	0.0	
Mali	1.1	357.1	60.4	0.0	9.6	0.0	0.0	3.7
Malta	49.0	21.4	3.9	14.0			0.0	0.0
Marshall Islands								
Mauritania	12.8	685.6	48.7	0.0			0.0	
Mauritius	124.8	85.3	62.3	0.4			0.0	0.0
Mexico	15 953.3	3 726.1	765.0	522.8	312.4	255.6	7.6	0.0
Micronesia (Federated States of)								
Mongolia	8.1	177.7	58.6	33.7			1.0	0.2
Montenegro	29.2	11.6	1.8	2.5	0.3	0.0	0.1	-0.0
Morocco	2 866.7	5 521.5	65.6	1 153.4	0.0	0.0	0.5	0.0
Mozambique	283.0	787.3	1 059.6	0.1	0.5	10.0	1.5	0.0
Myanmar	11.0	478.6	2.1	0.7	1 191.1	0.0	1 845.2	12.4
Namibia	132.8	124.5	16.5	2.9	2.6	0.1	0.1	0.0
Nauru			0.4	0.0			0.0	
Nepal	548.0	297.4	886.4	21.7	0.0		0.2	0.1
Netherlands	5 945.8	4 296.9	418.3	3 180.1	849.3	256.8	256.5	142.7
New Zealand	111.0	412.1	60.6	49.7	1.3	0.1	0.2	0.6
Nicaragua	407.5	126.8	97.2	0.1	1.2		4.9	0.1
Niger	24.5	0.0	693.2	9.2			5.1	0.0

TABLE 33.
CEREALS IMPORTS AND EXPORTS BY MAIN COMMODITIES, 2020 (THOUSAND TONNES) (CONTINUED)

COUNTRY	IMPORTS				EXPORTS			
	MAIZE	WHEAT	RICE	OTHER	MAIZE	WHEAT	RICE	OTHER
Nigeria	279.9	5 902.5	61.8	3.9	4.7	0.0	0.1	5.6
North Macedonia	60.8	96.8	0.2	2.0	17.2	4.8	4.7	2.7
Norway	69.6	279.0	32.1	57.3	0.3	0.1	0.3	0.7
Oman	378.1	653.1	264.0	172.3	0.0	0.4	0.7	0.0
Pakistan	25.2	2 490.6	6.1	15.1	64.7	28.0	3 944.1	14.5
Palau								
Panama	521.6	163.6	100.6	1.6	0.0		2.4	
Papua New Guinea	0.2	257.8	234.5	30.4		0.2	0.0	
Paraguay	17.3	0.1	0.9	0.6	2 106.9	282.9	795.2	8.5
Peru	3 792.1	2 271.2	315.6	154.0	10.5	0.5	45.5	51.8
Philippines	740.6	6 150.4	1 907.6	69.0	1.7	0.0	0.3	0.1
Poland	421.7	869.3	196.5	280.5	1 490.4	4 689.1	40.9	2 830.5
Portugal	1 899.5	1 201.6	188.4	445.2	137.7	11.1	83.5	11.8
Qatar	95.2	58.7	225.3	242.4			0.0	
Republic of Korea	11 664.0	3 709.1	477.3	111.8	0.0	0.0	55.2	0.2
Republic of Moldova	33.8	4.0	9.7	1.7	449.9	135.9	0.0	32.1
Romania	1 348.9	1 212.2	75.1	775.3	5 651.1	4 304.8	22.9	1 331.9
Russian Federation	51.3	190.0	224.4	132.3	2 289.3	37 267.0	123.1	5 172.1
Rwanda	118.0	70.3	143.0	33.4	1.6		44.4	0.1
Saint Kitts and Nevis	0.1		1.2	0.1			0.0	
Saint Lucia	4.4	9.5	3.5	0.1			0.0	
Saint Vincent and the Grenadines	8.2	25.7	2.6	-0.0	0.0		0.1	0.0
Samoa			8.0				0.0	
San Marino								
Sao Tome and Principe	0.0		11.6	-0.0			0.0	
Saudi Arabia	3 070.9	3 109.5	1 535.2	2 914.1	0.1		4.3	0.0
Senegal	323.4	694.0	1 126.9	0.1	0.1	4.5	60.1	0.1
Serbia	3.5	2.9	11.7	14.2	3 608.2	520.8	0.5	89.6
Seychelles	4.2	0.8	8.3	0.0			0.0	
Sierra Leone	0.5	7.5	433.9	0.0			0.0	0.0
Singapore	9.9	240.7	387.9	1.9	1.1	0.0	100.1	0.3
Slovakia	88.9	12.8	33.9	71.0	619.2	1 274.1	2.5	164.9
Slovenia	777.0	144.2	25.3	25.5	841.2	105.5	18.6	23.4
Solomon Islands	0.1	13.0	34.7				0.0	
Somalia	2.7	75.4	522.9	46.9	0.0		0.0	0.0
South Africa	82.3	2 214.6	1 031.2	85.2	2 584.9	182.6	120.1	16.4
South Sudan	16.9	0.0	28.4	133.7		0.1	0.0	
Spain	8 067.1	4 151.8	202.8	1 419.0	146.2	524.0	284.0	201.4
Sri Lanka	29.8	1 403.9	15.8	17.3	0.0	2.9	9.2	0.2
Sudan	29.9	2 429.2	79.3	81.5	0.5		0.0	1.2
Suriname	6.5	15.4	0.6	0.2	0.0		77.5	-0.0
Sweden	53.5	40.9	71.8	65.9	0.2	1 057.9	1.4	719.1
Switzerland	139.9	371.4	123.0	95.6	0.1	0.5	3.6	1.1

TABLE 33.
CEREALS IMPORTS AND EXPORTS BY MAIN COMMODITIES, 2020 (THOUSAND TONNES) (CONTINUED)

COUNTRY	IMPORTS				EXPORTS			
	MAIZE	WHEAT	RICE	OTHER	MAIZE	WHEAT	RICE	OTHER
Syrian Arab Republic	219.2	23.0	174.7	8.1	0.0	123.1	0.0	402.2
Tajikistan	9.2	999.2	45.1	26.7	0.0		0.0	-0.0
Thailand	1 598.9	3 096.8	45.2	813.4	27.4	0.0	5 665.2	5.9
Timor-Leste	0.0		83.3	0.0			0.0	
Togo	1.6	113.0	285.6	0.1	0.1		2.0	0.3
Tonga	0.0		0.2	0.0	0.0		0.0	
Trinidad and Tobago	95.4	126.2	34.0	1.0	0.0		0.4	-0.0
Tunisia	1 004.5	1 995.3	25.9	973.2			0.0	1.9
Türkiye	2 299.6	9 659.2	520.8	919.6	404.9	124.6	234.0	30.1
Turkmenistan	8.6	70.3	0.8	0.7		37.0	0.0	2.0
Tuvalu			0.4	0.0			0.0	
Uganda	11.9	621.4	289.1	33.3	258.9	0.0	36.1	40.9
Ukraine	24.9	10.9	112.1	44.3	27 952.5	18 055.7	4.9	5 303.0
United Arab Emirates	556.5	1 400.7	746.8	491.0	71.9	31.5	55.6	71.5
United Kingdom of Great Britain and Northern Ireland	2 670.6	2 133.0	729.0	187.7	138.9	520.1	62.2	1 644.4
United Republic of Tanzania	53.6	677.2	0.4	13.1	97.0	0.9	342.6	29.0
United States of America	696.7	1 909.9	1 182.7	2 075.6	51 838.9	26 131.6	2 791.9	6 939.1
Uruguay	145.1	0.4	0.6	5.6	0.0	381.6	962.0	45.8
Uzbekistan	61.0	2 799.6	12.9	77.0		48.2	0.6	8.8
Vanuatu	0.0		18.8	0.0			0.2	
Venezuela (Bolivarian Republic of)	1 024.8	419.0	526.1	0.5			0.0	
Viet Nam	12 144.7	3 147.6	113.5	187.9	328.6	39.6	5 685.8	0.5
Yemen	702.8	3 044.9	624.2	11.4	12.4	0.2	0.0	0.3
Zambia	1.2	51.7	34.8	0.2	59.4	0.2	4.5	0.9
Zimbabwe	895.0	244.2	181.7	46.1	4.5	2.1	0.0	0.1

Source: FAO. 2022. FAOSTAT: Trade: Crops and livestock products. In: *FAO*. Rome. Cited October 2022. <https://www.fao.org/faostat/en/#data/TCL>

TABLE 34.
FOREST PRODUCTS EXPORTS, 2020 (USD MILLION)

COUNTRY	PAPER AND PAPERBOARD	SAWNWOOD	PULP FOR PAPER	WOOD-BASED PANELS	ROUNDWOOD	RECOVERED PAPER	OTHER	TOTAL
World	89 136.7	37 137.3	31 850.7	30 533.8	13 408.7	6 280.7	17 900.5	226 248.4
Africa	593.8	1 256.7	192.9	82.9	1 097.7	26.3	1 255.0	4 505.4
Americas	15 369.4	12 250.8	5 176.2	18 035.2	2 503.9	2 703.9	4 287.4	60 326.8
Asia	19 318.8	2 390.7	10 634.0	3 098.9	415.7	856.8	4 997.4	41 712.4
Europe	52 997.0	20 600.4	15 609.6	8 898.9	5 897.0	2 554.2	6 549.0	113 106.1
Oceania	857.6	638.6	237.9	417.8	3 494.4	139.5	811.8	6 597.7
Afghanistan	1.0	0.0	0.0	0.0	0.1	0.0	0.0	1.2
Albania	2.9	1.7	1.4	0.0	1.7	0.8	3.9	12.3
Algeria	7.5	0.0	0.0	0.0	0.0	6.3	0.0	13.8
Andorra	1.9	0.0	0.0		0.1	0.1	0.1	2.2
Angola	0.1	12.7	0.0	0.6	2.2	0.1	0.1	15.9
Antigua and Barbuda	0.2	0.0	0.0		0.0	0.0	0.0	0.2
Argentina	121.1	55.8	44.5	122.2	50.5	0.0	17.4	411.5
Armenia	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.5
Australia	603.8	61.4	31.5	0.5	524.5	117.7	703.3	2 042.7
Austria	2 736.9	1 426.3	1 281.3	180.0	61.4	31.9	378.5	6 096.2
Azerbaijan	1.9	0.6	0.1	0.0	0.0	0.0	0.0	2.7
Bahamas	0.3	0.0	0.6	0.1	0.0	0.0	0.0	1.1
Bahrain	0.7	0.0	0.0	0.3	0.0	4.5	1.0	6.5
Bangladesh	11.7	0.0	1.0	0.0	0.0	0.0	2.9	15.7
Barbados	0.4	0.0	0.1	0.0	0.0	0.4	0.0	0.9
Belarus	73.7	503.2	585.2	96.0	29.3	9.8	162.9	1 460.1
Belgium	2 829.8	644.8	1 041.4	346.6	242.8	162.0	252.2	5 519.7
Belize	0.4	1.2	0.3	0.2	0.1	0.0	0.2	2.5
Benin	0.4	20.9	0.0	0.0	4.6	0.0	0.6	26.6
Bhutan	1.0	0.0	1.3	0.1	0.0	0.0	0.2	2.5
Bolivia (Plurinational State of)	2.6	18.0	2.8	0.0	2.7	0.0	2.4	28.5
Bosnia and Herzegovina	87.8	195.6	15.5	0.0	49.8	5.2	38.0	391.9
Botswana	0.6	0.0	0.0	0.0	0.0	0.8	0.1	1.6
Brazil	1 524.6	707.3	958.5	5 844.5	148.9	2.8	547.6	9 734.3
Brunei Darussalam	0.5	0.0	0.0	0.0	0.0	0.4	0.0	0.9
Bulgaria	139.3	32.9	140.3	32.1	18.4	13.5	54.4	430.8
Burkina Faso	0.2	0.0	0.0	0.1	0.0	0.0	0.9	1.1
Burundi	0.2	0.0	0.0	0.1	0.0	0.0	0.0	0.2
Cabo Verde	0.1	0.0	0.1		0.0	0.0	0.0	0.2
Cambodia	0.7	2.7	181.8	0.0	4.0	2.8	3.3	195.4
Cameroon	0.1	452.3	1.1		130.8	0.0	43.7	627.9
Canada	4 284.3	7 741.9	2 699.7	4 527.7	353.6	171.4	998.6	20 777.3
Central African Republic	0.1	8.5	0.0	0.0	59.7	0.0	0.0	68.4
Chad	0.1	0.0	0.7	0.0	0.0		0.0	0.9
Chile	468.3	725.1	534.4	2 042.2	22.2	5.4	357.6	4 155.2
China	6 739.9	167.1	5 205.3	199.2	15.5	106.5	666.8	13 100.3
Colombia	88.3	9.2	1.9	2.7	23.1	0.0	6.0	131.2

TABLE 34.
FOREST PRODUCTS EXPORTS, 2020 (USD MILLION) (CONTINUED)

COUNTRY	PAPER AND PAPERBOARD	SAWNWOOD	PULP FOR PAPER	WOOD-BASED PANELS	ROUNDWOOD	RECOVERED PAPER	OTHER	TOTAL
Comoros	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Congo	0.0	131.7	0.0	0.0	201.8	0.0	8.8	342.3
Costa Rica	12.5	11.9	0.5	0.0	29.7	9.4	0.0	64.0
Côte d'Ivoire	0.1	46.2	6.8	0.0	0.1	0.6	35.5	89.3
Croatia	85.1	390.6	50.8	17.0	80.4	16.7	146.2	786.8
Cuba	1.3	0.1	0.0		0.0	0.0	40.6	42.0
Cyprus	0.1	0.0	0.0	0.0	0.0	3.2	0.0	3.4
Czechia	973.3	437.2	494.2	48.4	899.6	83.6	345.3	3 281.6
Democratic People's Republic of Korea	0.6	0.0	0.0	0.3	0.0	0.0	0.7	1.7
Democratic Republic of the Congo	0.1	10.3	0.1	0.0	62.3	0.0	1.4	74.2
Denmark	222.4	56.3	53.2	7.2	66.9	55.8	252.3	714.1
Djibouti	1.7	0.0	0.0	0.0	0.0	0.0	1.6	3.3
Dominica	0.3	0.0	0.2	0.0	0.0	0.0	0.0	0.5
Dominican Republic	25.5	0.5	0.3	0.0	0.0	10.6	0.2	37.1
Ecuador	7.8	64.2	204.0	0.0	48.7	0.1	5.4	330.2
Egypt	116.0	2.1	2.3	0.6	0.3	0.0	6.3	127.6
El Salvador	22.3	0.0	0.0	0.0	1.6	5.4	0.7	29.9
Equatorial Guinea	0.2	6.2	0.0		68.5		10.5	85.4
Eritrea	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.2
Estonia	57.2	339.4	189.1	102.8	109.3	9.6	271.5	1 078.8
Eswatini	2.2	1.2	4.2	0.6	24.3	0.8	1.4	34.6
Ethiopia	0.7	0.0	0.0	0.0	0.0	0.0	0.1	0.9
Fiji	0.3	6.0	0.0	0.0	0.1	0.2	32.6	39.1
Finland	6 371.9	1 774.9	522.5	2 022.9	110.7	15.3	175.9	10 994.1
France	2 993.1	431.1	794.8	237.6	322.6	234.4	291.6	5 305.1
Gabon	2.1	360.3	28.6	0.0	1.0	0.0	186.0	578.0
Gambia	0.1	18.6	0.0	0.1	8.1	0.0	0.5	27.4
Georgia	4.0	13.0	6.0	0.0	0.4	0.8	0.5	24.7
Germany	11 901.8	2 549.9	2 757.6	669.7	957.7	227.9	500.2	19 564.8
Ghana	0.2	71.5	6.8	0.0	76.3	0.0	15.0	169.8
Greece	98.8	6.0	54.7	0.7	1.8	9.4	6.0	177.5
Grenada	0.0	0.0	0.0		0.0		0.0	0.0
Guatemala	18.2	10.8	19.8	0.1	6.8	12.9	1.1	69.7
Guinea	0.3	0.5	0.4		0.2	0.0	0.5	1.9
Guinea-Bissau	0.2	0.0	0.1	0.1	0.0	0.0	0.1	0.5
Guyana	0.5	12.2	0.4	0.5	19.8	0.0	0.3	33.6
Haiti	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1
Honduras	39.4	10.9	3.8	0.0	3.9	8.6	2.6	69.1
Hungary	525.3	89.6	227.5	7.5	75.5	37.1	34.1	996.6
Iceland	0.0	0.0	0.0	0.0	0.0	3.7	0.0	3.7
India	1 005.7	2.9	64.2	1.9	5.1	0.2	50.3	1 130.4
Indonesia	3 655.4	202.3	1 586.6	2 243.6	4.7	2.7	814.0	8 509.3
Iran (Islamic Republic of)	1.1	0.1	4.5	0.4	0.0	0.0	0.1	6.2

TABLE 34.
FOREST PRODUCTS EXPORTS, 2020 (USD MILLION) (CONTINUED)

COUNTRY	PAPER AND PAPERBOARD	SAWNWOOD	PULP FOR PAPER	WOOD-BASED PANELS	ROUNDWOOD	RECOVERED PAPER	OTHER	TOTAL
Iraq	0.1	0.0	0.0	0.0	0.0	10.8	0.1	11.1
Ireland	35.5	172.3	286.8	1.1	12.6	70.3	24.1	602.7
Israel	91.7	0.0	0.9	0.0	0.0	10.2	0.0	102.9
Italy	2 901.4	249.9	619.4	40.9	45.6	201.3	137.8	4 196.3
Jamaica	0.6	0.1	0.1	0.0	0.0	0.5	0.0	1.3
Japan	1 714.8	62.0	60.6	111.4	151.1	414.0	77.8	2 591.7
Jordan	27.0	0.0	8.1	1.1	0.0	3.2	0.3	39.7
Kazakhstan	5.2	0.9	4.2	1.0	1.6	1.0	0.1	14.0
Kenya	15.3	2.0	3.5	0.0	2.2	0.1	0.2	23.2
Kiribati		0.0	0.0		0.0		0.0	0.0
Kuwait	27.3	0.0	0.1	0.6	0.0	6.7	0.3	35.1
Kyrgyzstan	0.6	2.6	0.3	0.0	0.5	0.0	0.0	4.0
Lao People's Democratic Republic	0.2	115.4	0.9	29.2	42.0	1.8	194.5	383.9
Latvia	32.0	780.7	473.5	0.2	249.0	11.2	495.4	2 042.0
Lebanon	15.8	0.0	1.3	0.0	0.0	0.2	0.3	17.5
Lesotho	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.2
Liberia	0.4	3.0	0.0	0.0	20.4	0.0	0.0	23.8
Libya	0.4	0.0	0.0	0.0	0.0	1.2	0.0	1.6
Lithuania	95.7	288.5	43.2	5.4	144.4	9.1	156.2	742.4
Luxembourg	19.1	18.0	159.4	0.0	24.7	4.9	8.1	234.2
Madagascar	2.3	4.2	0.2	0.0	0.7	0.3	0.7	8.5
Malawi	0.3	0.5	4.0	0.0	0.0	0.0	0.0	4.8
Malaysia	277.5	521.6	838.0	10.6	155.2	2.2	433.1	2 238.3
Maldives	0.0	0.0	0.0		0.0	0.0	0.0	0.0
Mali	0.2	1.0	0.0	0.0	60.4	0.0	1.1	62.8
Malta	3.2	0.0	0.0	0.0	0.0	1.9	0.0	5.1
Marshall Islands	0.0	0.1	0.0		0.0		0.0	0.1
Mauritania	0.5	0.0	0.0		0.0	0.0	0.0	0.6
Mauritius	0.7	0.4	0.3	0.0	1.9	0.8	0.0	4.1
Mexico	385.7	6.3	26.8	0.1	15.4	10.3	54.0	498.7
Micronesia (Federated States of)		0.0	0.0		0.0		0.0	0.0
Mongolia	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.2
Montenegro	0.1	26.5	0.7	0.0	0.2	1.3	6.8	35.4
Morocco	24.4	0.1	28.9	0.3	0.0	2.6	0.2	56.6
Mozambique	2.2	19.3	0.0	0.1	115.7	0.4	0.1	137.8
Myanmar	6.8	121.8	1.2	0.0	3.3	2.5	89.3	225.0
Namibia	0.7	0.1	0.2	0.1	13.9	1.1	41.8	57.8
Nauru	0.0	0.0	0.0		0.0		0.0	0.0
Nepal	0.8	0.0	0.2	0.6	0.0	0.3	0.0	1.9
Netherlands	2 087.1	243.3	170.3	433.3	71.9	317.5	142.7	3 466.2
New Zealand	252.2	541.0	199.8	416.8	2 064.6	21.0	65.6	3 561.0
Nicaragua	0.8	3.1	0.0	0.0	7.6	3.3	0.6	15.4
Niger	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.3

TABLE 34.
FOREST PRODUCTS EXPORTS, 2020 (USD MILLION) (CONTINUED)

COUNTRY	PAPER AND PAPERBOARD	SAWNWOOD	PULP FOR PAPER	WOOD-BASED PANELS	ROUNDWOOD	RECOVERED PAPER	OTHER	TOTAL
Nigeria	1.3	17.5	0.0	0.0	40.9	0.0	44.5	104.2
North Macedonia	8.9	1.3	0.2	0.2	0.2	2.0	0.6	13.4
Norway	506.1	168.0	135.6	87.9	214.4	32.2	232.4	1 376.6
Oman	1.0	0.0	0.6	0.5	0.1	2.6	0.1	4.8
Pakistan	36.6	0.1	7.1	0.5	0.1	0.3	0.2	45.0
Palau	0.0	0.0	0.0		0.0	0.0	0.0	0.0
Panama	6.9	0.4	1.3	0.0	34.9	1.0	0.1	44.6
Papua New Guinea	0.1	21.4	6.3	0.1	557.6	0.0	2.8	588.4
Paraguay	37.6	3.2	5.2	0.1	2.0	0.2	35.1	83.4
Peru	41.6	44.4	2.8	1.1	2.2	0.9	0.9	93.8
Philippines	55.1	30.6	38.1	138.5	0.3	8.4	51.5	322.5
Poland	2 014.0	356.9	1 053.1	114.9	303.7	98.1	263.6	4 204.3
Portugal	1 413.6	57.5	222.6	551.3	37.8	44.0	223.5	2 550.4
Qatar	4.6	0.0	0.0	0.0	0.0	0.8	0.1	5.6
Republic of Korea	1 874.8	9.5	18.0	28.7	0.4	62.6	3.7	1 997.7
Republic of Moldova	1.4	0.1	1.7	0.0	0.1	2.1	0.1	5.5
Romania	180.8	527.7	675.4	7.5	31.4	21.7	168.9	1 613.4
Russian Federation	1 948.3	4 227.5	1 806.8	1 062.9	1 031.3	50.3	631.6	10 758.7
Rwanda	0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.3
Saint Kitts and Nevis		0.0	0.0		0.0		0.0	0.0
Saint Lucia	0.6	0.0	0.0		0.0	0.1	0.0	0.8
Saint Vincent and the Grenadines	0.6	0.0	0.1		0.0	0.0	0.0	0.7
Samoa	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.6
San Marino	0.1	0.0	0.0		0.0		0.0	0.1
Sao Tome and Principe	0.3	0.0	0.0		0.0	0.0	0.0	0.4
Saudi Arabia	134.0	0.1	28.2	0.1	0.0	21.2	0.5	183.9
Senegal	2.9	0.0	0.1	0.0	0.0	0.1	0.5	3.6
Serbia	303.2	77.0	31.1	0.0	17.2	10.4	27.5	466.4
Seychelles	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.2
Sierra Leone	0.4	1.0	0.1	0.3	121.8	0.0	0.1	123.7
Singapore	1 090.9	5.5	4.9	171.2	3.8	72.4	259.2	1 607.8
Slovakia	488.6	227.9	202.9	132.2	178.9	36.5	74.0	1 340.9
Slovenia	491.0	203.6	114.2	5.3	142.8	14.2	123.6	1 094.6
Solomon Islands	0.0	8.4			347.3	0.0	7.4	363.1
Somalia	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3
South Africa	356.6	25.8	60.0	78.0	49.3	9.4	848.7	1 427.6
South Sudan	0.0	2.1	0.0		0.3		0.0	2.4
Spain	2 105.8	78.4	757.0	482.3	159.1	98.3	179.4	3 860.3
Sri Lanka	7.4	3.7	6.7	0.1	0.0	20.1	7.8	45.7
Sudan	1.4	0.2	0.0		0.1	0.1	0.3	2.0
Suriname	0.1	6.5	0.0		43.9	0.1	0.2	50.8
Sweden	7 392.0	3 370.3	131.0	2 190.1	120.6	55.7	351.3	13 611.0
Switzerland	535.4	49.0	217.1	4.9	46.0	46.8	8.1	907.2
Syrian Arab Republic	1.1	0.0	0.0	0.0	0.0	0.1	0.0	1.3

TABLE 34.
FOREST PRODUCTS EXPORTS, 2020 (USD MILLION) (CONTINUED)

COUNTRY	PAPER AND PAPERBOARD	SAWNWOOD	PULP FOR PAPER	WOOD-BASED PANELS	ROUNDWOOD	RECOVERED PAPER	OTHER	TOTAL
Tajikistan	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.7
Thailand	913.1	962.5	1 013.7	81.7	8.9	24.8	253.0	3 257.6
Timor-Leste	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3
Togo	0.3	0.7	0.0	0.0	9.9	0.1	0.0	11.1
Tonga	0.1	0.0	0.0		0.0	0.0	0.1	0.2
Trinidad and Tobago	4.5	0.2	0.0	0.0	0.0	1.0	0.0	5.8
Tunisia	16.6	0.1	3.7	1.3	0.0	0.4	1.2	23.4
Türkiye	678.1	27.4	648.2	46.6	3.0	7.5	39.0	1 449.8
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	4.3	0.1	31.7	0.0	4.3	0.0	0.0	40.4
Ukraine	138.3	515.6	155.5	0.1	11.8	3.1	358.4	1 182.8
United Arab Emirates	241.2	44.3	23.9	2.7	2.2	61.2	2.1	377.6
United Kingdom of Great Britain and Northern Ireland	1 194.3	80.9	142.7	9.9	25.3	504.6	22.0	1 979.7
United Republic of Tanzania	26.4	18.2	3.9	0.1	3.8	0.2	1.4	54.0
United States of America	8 265.1	2 721.0	606.5	4 357.2	1 525.3	2 454.4	2 187.4	22 116.9
Uruguay	5.9	87.1	60.4	1 136.4	154.7	3.8	22.4	1 470.7
Uzbekistan	7.2	0.0	3.0	24.5	0.0	0.2	0.0	34.9
Vanuatu	0.1	0.0	0.1		0.3	0.0	0.0	0.5
Venezuela (Bolivarian Republic of)	0.5	5.3	1.2	0.0	1.9	0.0	6.0	15.0
Viet Nam	679.9	93.6	871.3	3.1	13.2	0.6	2 043.2	3 705.0
Yemen	0.1	0.0	0.1		0.0	0.0	0.0	0.2
Zambia	0.4	12.1	0.3	0.0	7.2	0.0	0.1	20.2
Zimbabwe	1.6	5.3	4.3	0.0	4.4	0.6	0.5	16.8

Source: FAO. 2022. FAOSTAT: Forestry Production and Trade. In: FAO. Rome. Cited October 2022. <https://www.fao.org/faostat/en/#data/FO>

TABLE 35.
FAO FOOD PRICE INDICES (2014–2016=100)

TIME	FAO FOOD PRICE INDEX AND SUB-INDICES						FISH
	FOOD PRICE INDEX	OILS	CEREALS	DAIRY	MEAT	SUGAR	
January 2019	93.3	80.3	101.8	100.9	92.3	79.3	106.4
February 2019	94.0	81.8	100.7	103.8	93.1	80.3	106.7
March 2019	93.2	78.4	97.5	105.6	94.6	78.7	109.0
April 2019	93.6	79.1	94.6	106.1	97.8	79.3	110.2
May 2019	94.3	78.5	94.4	106.6	100.5	76.7	104.2
June 2019	95.4	77.5	99.2	102.9	101.2	79.9	102.7
July 2019	95.1	78.1	97.6	101.1	102.4	79.4	103.3
August 2019	94.1	82.6	92.6	100.3	102.3	76.2	97.8
September 2019	93.4	83.9	91.8	99.6	101.0	73.5	93.8
October 2019	95.2	84.1	96.0	100.8	101.6	77.8	91.7
November 2019	98.6	93.2	95.6	102.5	106.5	79.2	98.5
December 2019	101.0	101.5	97.4	103.5	106.6	83.0	102.8
January 2020	102.5	108.7	100.7	103.8	103.6	87.5	106.3
February 2020	99.4	97.6	99.6	102.9	100.5	91.4	101.2
March 2020	95.2	85.4	98.0	101.5	99.4	73.9	94.7
April 2020	92.5	81.2	99.6	95.8	96.9	63.2	89.9
May 2020	91.1	77.8	98.0	94.4	95.4	67.8	91.3
June 2020	93.3	86.6	97.3	98.3	94.8	74.9	97.4
July 2020	94.0	93.2	97.3	101.8	92.2	76.0	94.3
August 2020	95.9	98.7	99.2	102.1	92.2	81.1	94.3
September 2020	98.0	104.6	104.3	102.3	91.5	79.0	92.1
October 2020	101.4	106.5	112.1	104.5	91.8	84.7	92.1
November 2020	105.6	121.9	114.8	105.4	93.3	87.5	91.1
December 2020	108.6	131.2	116.4	109.2	94.8	87.1	94.4
January 2021	113.5	138.9	125.0	111.2	96.0	94.2	95.6
February 2021	116.6	147.5	126.1	113.1	97.8	100.2	95.8
March 2021	119.2	159.3	123.9	117.5	100.8	96.2	100.5
April 2021	122.1	162.2	126.2	119.1	104.3	100.0	101.9
May 2021	128.1	174.9	133.7	121.1	107.4	106.8	107.4
June 2021	125.3	157.7	130.3	119.9	110.7	107.7	105.0
July 2021	124.6	155.5	126.3	116.7	114.1	109.6	102.7
August 2021	128.0	165.9	130.4	116.2	113.4	120.5	100.1
September 2021	129.2	168.6	132.8	118.1	112.7	121.2	99.3
October 2021	133.2	184.8	137.1	121.5	112.0	119.1	102.6
November 2021	135.3	184.6	141.4	126.0	112.5	120.2	101.9
December 2021	133.7	178.5	140.5	129.0	111.0	116.4	108.0
January 2022	135.6	185.9	140.6	132.6	112.1	112.7	111.4
February 2022	141.2	201.7	145.3	141.5	113.9	110.5	117.0
March 2022	159.7	251.8	170.1	145.8	119.3	117.9	127.8
April 2022	158.4	237.5	169.7	146.7	121.9	121.5	134.3
May 2022	158.1	229.2	173.5	144.2	122.9	120.4	131.7
June 2022	154.7	211.8	166.3	150.2	125.9	117.3	134.9
July 2022	140.7	168.8	147.3	146.5	124.6	112.8	120.9
August 2022	138.0	163.3	145.2	143.5	122.7	110.4	119.6

Source: FAO. 2022. FAO Food Price Index. In: *FAO*. Rome. Cited October 2022.
<https://www.fao.org/worldfoodsituation/foodpricesindex/en/>

TABLE 36.
ANNUAL CHANGES IN PRICES RECEIVED BY FARMERS (PERCENT)

COUNTRY	2000	2005	2010	2015	2017	2018	2019	2020	2021
World									
Africa									
Americas									
Asia									
Europe									
Oceania									
Afghanistan	-3.2	-0.3	24.9	14.1	-6.7	-2.8	-3.5	-3.3	-7.9
Albania	1.5	-0.6	8.2	1.6	4.0	-7.4	5.7	-0.9	1.6
Algeria	4.5	-1.2	3.9	5.2	6.9	-1.8	3.4	4.0	4.8
Andorra									
Angola				6.4	18.5	-11.5	-9.6	-8.2	-9.0
Antigua and Barbuda									
Argentina	3.8	-8.6	13.2	13.8	16.5	56.4	30.0	32.0	22.9
Armenia	-11.0	-18.3	50.0	-10.5	-1.3	8.0	-0.2	-2.6	3.5
Australia	-3.2	-5.5	-9.7	1.4	-6.1	7.8	10.6	1.6	3.3
Austria	1.1	-3.3	29.5	-0.2	8.1	2.9	-5.3	3.1	1.5
Azerbaijan	12.1	8.8	20.9	-0.3	6.5	-0.4	5.7	7.4	3.6
Bahamas									
Bahrain									
Bangladesh	-2.0	9.0	2.4	-0.7	19.8	-14.4	10.2	35.7	18.3
Barbados	-3.0	5.5	2.9	0.4	1.8	1.0	3.5	3.5	3.3
Belarus	178.3	12.3	44.3	3.4	15.1	7.2	10.8	8.6	8.6
Belgium		12.2	11.7	-0.5	0.0	18.4	-9.2	-1.0	-3.4
Belize	-1.5	-5.1	0.3	9.5	3.0	0.3	5.0	2.7	2.4
Benin			-1.6	-3.0	3.1	-16.6	7.5	27.8	-10.7
Bhutan	5.3	3.8	15.4	31.5	2.2	7.3	0.4	-1.8	0.1
Bolivia (Plurinational State of)	0.0	-3.0	11.4	-14.1	-5.6	3.8	2.2	-0.0	0.4
Bosnia and Herzegovina	3.7	-5.5	8.7	-5.0	3.4	-0.6	6.0	-0.4	2.3
Botswana	0.5	-10.0	9.3	-6.6	7.3	6.5	-1.7	2.2	2.1
Brazil	7.9	-5.3	2.4	0.7	-5.0	-9.5	4.6	23.5	10.9
Brunei Darussalam	0.5	-6.5	1.4	-11.2	-3.6	10.0	-4.6	0.6	2.2
Bulgaria	19.7	-17.3	15.5	0.8	0.9	2.5	0.7	7.2	4.8
Burkina Faso	-16.3	9.7	-4.1	-16.4	8.7	7.8	-5.0	4.2	2.1
Burundi									
Cabo Verde	-2.2	0.3	-5.1	-2.1	-0.6	2.3	3.1	-0.9	0.8
Cambodia	-7.5	9.4	15.6	-4.1	3.3	2.3	-0.2	3.4	2.2
Cameroon	-4.0	3.3	11.4	-12.7	1.6	6.7	1.1	3.2	2.9
Canada	-3.4	-12.5	-6.4	5.9	-1.0	-0.5	0.3	3.7	2.2
Central African Republic				-11.5	5.4	5.2	-7.5	-2.5	-5.4
Chad			-2.3	-23.6	-1.6	-0.7	4.6	-0.9	-0.7
Chile	9.9	7.2	-2.1	13.3	-1.6	1.2	5.4	19.1	1.3
China	9.7	2.1	5.0	-0.9	-4.0	4.8	22.7	2.6	5.8
Colombia	13.5	1.2	4.5	14.7	9.4			6.3	10.0
Comoros									

TABLE 36.
ANNUAL CHANGES IN PRICES RECEIVED BY FARMERS (PERCENT) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2017	2018	2019	2020	2021
Congo	-4.2	26.8	39.6	-14.1	-17.4	46.5	12.2	-13.1	3.8
Costa Rica	-4.0	21.5	-0.5	4.4	1.6	-18.8	0.5	3.7	1.1
Côte d'Ivoire	17.7	15.0	27.0	7.2	-1.6	3.5	6.9	1.8	2.6
Croatia	6.6	-0.8	17.3	1.9	7.5	-4.2	2.6	2.8	2.4
Cuba	87.9	106.1	11.5	4.6	9.6	1.0	5.5	11.4	6.6
Cyprus	6.7	4.5	2.5	-0.5	0.6	1.0	5.1	-1.0	1.7
Czechia	13.8	-14.0	11.7	-11.7	8.2	2.7	4.7	-3.4	-0.0
Democratic People's Republic of Korea									
Democratic Republic of the Congo									
Denmark	-1.6	-7.8	14.2	-8.9	12.7	1.9	1.5	-2.9	5.5
Djibouti									
Dominica									
Dominican Republic	-9.8	8.2	4.6	17.2	18.6	4.3	46.3	-8.3	9.7
Ecuador	120.7	1.3	6.7	-0.5	-3.0	6.7	2.6	0.6	-2.0
Egypt	0.8	8.2	14.2	7.1	31.6	4.1	80.0	8.7	14.2
El Salvador	3.6	17.9	13.1	5.7	-10.2	5.5	10.2	-2.3	1.8
Equatorial Guinea	-11.9	44.8	-8.2	-20.8	1.4	6.4	-7.6	0.5	-1.1
Eritrea	24.4	-2.4	11.6	9.9	10.6	-6.8	9.1	7.5	5.5
Estonia	32.1	3.1	43.3	-14.3	10.1	6.3	-4.9	-1.4	-1.0
Eswatini									
Ethiopia	2.1	14.1	-18.1	-0.7	5.2	6.5	6.8	0.5	2.7
Fiji	-4.8	4.2	-31.5	-8.1	-24.2	6.7	-3.9	0.8	0.4
Finland	-1.8	-5.9	5.9	-6.6	2.0	10.5	-3.6	-0.8	4.5
France	3.0	3.9	22.4	4.3	-0.2	7.5	-1.4	6.7	2.5
Gabon									
Gambia	9.3	8.5	7.3	20.0	11.8	1.9	7.0	12.5	8.2
Georgia	-1.0	-14.0	7.3	-8.4	9.2	3.4	11.3	2.7	6.8
Germany	0.8	-6.6	25.1	-8.7	12.8	4.2	0.8	-2.7	2.1
Ghana	46.8	24.1	20.9	17.8	-20.1	23.9	-6.3	3.0	1.6
Greece	4.3	4.0	3.0	3.2	2.8	-0.5	2.2	-1.2	-2.0
Grenada				8.9	0.3	-1.5	-8.5	-12.3	-0.0
Guatemala									
Guinea	-1.0	20.6	1.0	0.2	-0.2	7.4	-5.5	-1.8	-0.8
Guinea-Bissau	-7.1	3.1	4.7	9.9	21.6	3.8	-1.6	6.1	4.2
Guyana									
Haiti									
Honduras	9.3	13.9	14.2	0.8	2.4	-7.3	6.5	-4.5	0.2
Hungary	26.5	-4.4	25.3	5.0	7.5	-5.1	6.0	7.0	3.5
Iceland	4.8	3.8	0.1	1.9	3.1	4.4	4.5	5.0	4.4
India	0.3	5.4	17.7	6.0	4.8	-0.3	5.4	3.4	2.2
Indonesia	-3.1	10.4	15.1	5.4	-18.5	1.0	-7.9	7.8	1.8
Iran (Islamic Republic of)	10.6	2.4	7.1	3.8	9.0	63.0	24.3	48.0	23.4
Iraq	13.1	34.2	4.9	-2.1	-4.8	5.2	-0.7	-0.3	0.1
Ireland	0.6	0.3	23.6	-17.9	25.3	3.8	-3.6	1.3	0.4

TABLE 36.
ANNUAL CHANGES IN PRICES RECEIVED BY FARMERS (PERCENT) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2017	2018	2019	2020	2021
Israel	-5.3	10.3	2.5	3.2	-1.1	8.5	-2.1	1.9	2.7
Italy	0.0	-6.9	4.2	-0.7	3.1	4.8	1.3	-0.8	1.3
Jamaica	12.9	17.9	-2.4	-0.9	18.9	-7.7	3.4	9.1	1.2
Japan	-6.3	-3.8	5.6	3.2	1.2	2.6	-2.1	3.9	2.3
Jordan	-6.6	1.4	4.7	4.8	-1.7	-4.1	-0.1	-0.9	-1.0
Kazakhstan	25.6	2.2	-0.7	9.8	2.6	8.9	36.5	13.1	12.5
Kenya	3.4	1.2	-6.2	8.4	23.5	-0.2	9.9	-2.9	4.4
Kiribati									
Kuwait				-27.1	1.9	0.0	0.8	-23.4	29.3
Kyrgyzstan	36.5	16.4	-6.7	-7.9	31.6	-7.8	-6.6	-0.6	0.2
Lao People's Democratic Republic	7.1	5.4	8.9	6.6	-2.0	2.2	0.1	0.4	0.3
Latvia	1.1	5.5	32.9	-8.0	18.0	7.1	-0.6	-2.8	4.8
Lebanon	3.9	1.0	-7.5	-1.1	-10.5	3.6	9.4	1.8	3.2
Lesotho									
Liberia									
Libya									
Lithuania	-0.8	-0.9	36.0	-4.3	11.0	7.7	-0.1	-1.0	5.8
Luxembourg		-2.7	18.9	-12.2	17.3	-0.3	-1.3	1.9	2.2
Madagascar	1.0	25.2	-17.0	-10.5	16.6	0.3	2.4	3.5	3.1
Malawi	23.4	33.7	-3.6	15.1	-1.1	18.5	15.1	12.1	9.0
Malaysia	-14.7	-4.4	29.7	-7.5	2.5	-16.6	-5.1	16.8	1.3
Maldives		-6.2	215.8	41.7	-10.3	14.0			17.2
Mali	-11.3	27.8	8.4	-5.0	6.6	5.8	-6.0	0.4	3.6
Malta	-32.7	-0.8	-4.5	25.4	13.6	-3.4	12.4	-3.0	-8.1
Marshall Islands									
Mauritania									
Mauritius	5.8	7.3	-6.5	-4.4	4.1	-7.4	-1.5	11.8	-1.8
Mexico	-2.1	-3.9	6.0	5.3	7.8	6.6	4.0	4.1	3.3
Micronesia (Federated States of)									
Mongolia	9.7	7.4	20.8	9.7	3.9	9.8	2.5	34.1	11.1
Montenegro									
Morocco	0.1	3.7	5.3	-1.4	-22.8	-2.4	-1.2	7.8	-0.6
Mozambique	0.5	16.8	-12.0	27.4	1.2	11.4	-16.1	-11.2	18.8
Myanmar	0.8	34.2	2.8	12.9	-0.2	-4.4	1.8	-2.2	3.5
Namibia	5.0	10.9	24.5	-11.5	19.5	9.8	-6.9	-7.9	-7.4
Nauru									
Nepal	7.7	9.4	19.7	4.7	3.0	2.1	11.3	-0.5	6.3
Netherlands	-4.0	-1.1	20.3	-4.1	9.2	0.9	2.2	-11.4	-3.4
New Zealand	2.6	2.1	16.1	-35.2	32.4	9.1	-5.2	6.7	6.1
Nicaragua	4.1	11.0	9.3	5.8	4.4	-3.0	0.2	3.5	-2.3
Niger	9.8	21.1	-0.7	-15.2	2.7	8.2	2.7	4.7	6.0
Nigeria	8.9	20.3	67.4	-2.4	8.5	2.0	-3.0	-3.1	-3.2
North Macedonia	7.4	-0.4	4.3	-0.4	4.4	3.6	2.9	-2.0	3.1
Norway	0.4	2.6	2.5	5.9	-0.5	3.8	-1.8	6.1	0.7

TABLE 36.
ANNUAL CHANGES IN PRICES RECEIVED BY FARMERS (PERCENT) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2017	2018	2019	2020	2021
Oman				28.7	4.7	0.0	0.0	5.0	-3.5
Pakistan	6.0	2.5	16.4	-4.3	10.9	4.7	-9.6	-0.6	-7.4
Palau									
Panama	0.3	-2.7	-0.1	15.2	-11.0	1.1	3.1	4.4	0.0
Papua New Guinea									
Paraguay	39.1	-14.4	6.3	-13.1	3.5	5.8	-3.7	13.7	10.1
Peru	-7.4	-1.0	2.6	4.7	-3.2	-2.9	6.0	0.9	-1.1
Philippines	-6.1	5.2	8.3	-5.8	3.3	7.7	-6.0	0.6	2.9
Poland	11.6	-5.0	22.3	-1.6	13.5	-1.2	6.9	-0.6	3.5
Portugal	11.1	3.8	9.0	-9.4	-0.4	7.0	-1.4	-1.9	4.9
Qatar	-10.6	-2.8	8.3	2.5	16.5	-4.9	-33.0		
Republic of Korea	-4.3	-8.1	0.9	2.7	10.0	4.9	2.1	-3.1	3.1
Republic of Moldova	29.8	6.5	48.5	26.4	-0.4	-7.0	3.5	24.7	11.1
Romania	64.3	-10.0	13.4	0.7	1.7	1.6	10.2	6.1	4.7
Russian Federation	19.5	-0.5	8.8	20.8	-3.9	4.5	10.0	10.0	8.1
Rwanda	13.6	19.8	0.7	3.1	9.7	-8.8	4.6	10.4	2.2
Saint Kitts and Nevis					-0.5	5.3	2.3	2.2	2.2
Saint Lucia	-18.5	12.1	6.5	2.3	7.5	-0.2	3.8	-0.2	-0.1
Saint Vincent and the Grenadines			5.9	5.8	-3.0	3.7	4.8	-0.4	0.9
Samoa				24.9	-25.1	26.1	17.0	16.0	15.0
San Marino									
Sao Tome and Principe									
Saudi Arabia	1.3	8.7	-3.4	-14.4	1.4	7.3	4.3	-13.6	-14.4
Senegal	3.0	5.1	-0.6	-1.9	21.7	4.1	2.8	-9.2	1.1
Serbia			38.9	5.5	6.8	-4.4	0.3	5.6	5.4
Seychelles			7.6	-7.8	10.7	2.1	-1.3	3.6	2.8
Sierra Leone									
Singapore	-1.6	-4.1	-7.3	-4.4	7.1	1.2	7.7	-0.7	-0.6
Slovakia	8.3	-7.3	20.2	-1.1	8.2	3.0	1.9	0.3	-0.3
Slovenia	7.1	-2.0	8.4	-4.8	11.8	-3.8	8.2	-3.8	1.0
Solomon Islands									
Somalia									
South Africa	-4.2	-6.4	0.1	-5.1	-7.0	7.7	8.3	5.2	4.4
South Sudan									
Spain	4.3	4.9	12.5	2.8	5.6	0.4	-3.9	4.0	1.2
Sri Lanka	-0.1	11.5	6.1	6.5	19.4	-8.1	-2.5	16.9	7.8
Sudan									
Suriname	80.4	18.9	1.2	-2.0	24.4	14.1	12.5	12.4	12.4
Sweden	-4.4	-4.2	22.0	-4.9	9.6	19.0	-7.8	-0.2	4.5
Switzerland	-3.9	-2.2	-1.8	-3.6	0.8	-5.6	0.9	1.2	0.1
Syrian Arab Republic	2.2	7.7	1.9	41.1	16.5	16.2	-0.2	2.8	2.0
Tajikistan	-2.0	25.7	19.2	-12.1	19.2	-10.7	2.3	-4.8	2.9
Thailand	-7.5	14.4	26.5	-0.6	-0.8	-2.0	1.5	-1.7	6.9
Timor-Leste			13.2	-2.7	-3.5	0.9	11.0	-7.7	0.1

TABLE 36.
ANNUAL CHANGES IN PRICES RECEIVED BY FARMERS (PERCENT) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2017	2018	2019	2020	2021
Togo	-6.7	33.9	-2.2	2.9	12.4	-5.4	-1.4	-0.9	-0.9
Tonga									
Trinidad and Tobago	0.7	-16.6	-5.5	2.5	-0.8	17.0	-11.1	5.8	2.1
Tunisia	-3.4	6.3	3.1	6.1	2.5	21.8	-0.6	0.7	4.9
Türkiye	47.8	6.6	14.6	6.5	3.8	17.9	22.4	15.5	15.3
Turkmenistan	20.8	5.1	2.3	-18.8	-1.5	1.2	7.6	7.1	6.6
Tuvalu									
Uganda									
Ukraine	40.0	5.7	43.7	53.3	13.1	10.7	0.5	13.3	5.8
United Arab Emirates									
United Kingdom of Great Britain and Northern Ireland	-5.2	-5.8	9.3	-12.2	9.5	8.6	-0.1	6.0	4.0
United Republic of Tanzania	-7.8	2.6	9.1	11.0	12.0	7.6	4.1	5.7	5.3
United States of America	-2.5	0.7	22.5	-8.1	8.7	-0.5	4.2	5.8	1.4
Uruguay	5.7	-12.8	-0.5	-8.9	-1.0	-2.0	17.1	1.9	9.5
Uzbekistan									
Vanuatu	0.1	-0.3	14.9	-5.1	6.5	1.2	0.0	0.6	0.6
Venezuela (Bolivarian Republic of)									
Viet Nam	1.0	18.2	13.3	-1.1	4.0	-2.7	-1.4	2.0	0.5
Yemen	11.6	8.6	-1.9	4.9	4.8	1.8	57.4	-2.3	8.7
Zambia			22.5	9.1	-27.4	18.1	32.3	-5.0	2.3
Zimbabwe									

Source: FAO. 2022. FAOSTAT: Producer prices. In: FAO. Rome. Cited October 2022. <http://www.fao.org/faostat/en/#data/PP>

TABLE 37.
INFLATION IN FOOD CONSUMER PRICES (PERCENT)

COUNTRY	2013	2014	2015	2016	2017	2018	2019	2020	2021
World	3.3	3.0	2.7	1.9	2.1	2.7	4.4	6.3	7.0
Africa	7.2	7.1	7.7	12.1	17.3	9.5	7.9	8.8	13.1
Americas	2.0	3.5	2.6	0.8	0.9	1.9	4.2	7.0	8.7
Asia	5.1	4.3	3.5	3.5	1.9	3.5	6.1	8.4	8.0
Europe	2.9	0.6	1.3	0.5	2.1	1.9	2.0	2.1	1.9
Oceania	0.7	2.1	0.9	0.6	1.1	0.7	2.1	3.2	1.3
Afghanistan	7.6	7.8	-0.8	5.7	6.9	-1.1	3.8	10.0	5.5
Albania	4.2	2.2	4.3	3.3	3.9	2.7	2.9	3.6	3.9
Algeria	3.2	3.9	4.7	3.4	5.0	3.4	-0.5	0.2	10.0
Andorra									
Angola	10.3	7.0	8.7	32.7	28.6	15.9	16.5	27.0	32.4
Antigua and Barbuda	2.5	1.0	2.5	-0.1	1.9	3.4	1.7	1.9	1.4
Argentina	7.6	17.6	12.3	13.0	17.6	31.7	58.6	47.5	49.6
Armenia	5.9	1.7	3.0	-3.2	4.1	2.3	1.8	0.3	11.3
Australia	0.7	2.5	1.1	0.7	0.9	0.8	2.3	3.3	1.2
Austria	3.5	2.0	0.8	0.7	2.4	1.5	1.0	2.3	0.8
Azerbaijan	2.0	0.7	4.8	13.7	17.3	2.0	3.3	4.6	8.1
Bahamas	-1.2	1.7	5.9	-0.9	-0.1	2.4	0.1	1.6	2.1
Bahrain	2.4	2.9	2.4	1.3	1.0	2.1	2.4	3.5	-0.1
Bangladesh	7.9	7.9	6.1	4.5	7.2	6.2	5.6	5.8	5.3
Barbados	2.7	2.4	2.8	8.2	6.2	1.6	5.9	7.7	3.3
Belarus	12.0	16.8	12.5	10.7	7.1	4.0	6.4	4.3	9.6
Belgium	3.4	-0.4	1.2	2.2	1.3	2.2	0.8	2.9	-0.4
Belize	1.5	0.8	-0.4	0.1	-1.1	-0.5	0.6	1.1	4.8
Benin	2.6	-0.8	0.4	-0.5	1.7	1.5	-2.7	3.0	5.8
Bhutan	9.2	10.1	3.3	4.0	7.5	5.0	3.6	11.0	9.2
Bolivia (Plurinational State of)	8.8	8.2	4.6	5.5	3.3	2.6	3.3	-0.6	0.6
Bosnia and Herzegovina	0.0	-2.6	-0.7	-1.3	1.3	0.6	1.1	1.0	3.5
Botswana	5.4	3.0	1.3	2.7	3.4	-0.5	1.4	3.7	5.9
Brazil	11.2	7.5	9.8	12.5	0.9	0.9	4.9	9.0	12.4
Brunei Darussalam	0.1	-0.2	0.9	-0.5	0.3	1.9	-0.7	2.5	2.4
Bulgaria	2.8	-1.0	0.3	-0.2	4.0	2.2	5.2	5.4	2.7
Burkina Faso	-0.3	-3.2	2.4	1.0	2.0	3.4	-6.5	3.9	6.8
Burundi	9.5	2.3	5.7	7.2	24.0	-11.1	-3.1	12.1	10.4
Cabo Verde	0.7	-1.2	1.5	-0.6	-0.2	0.4	1.4	1.6	0.5
Cambodia	3.9	4.9	4.0	5.6	3.4	2.5	2.1	4.6	2.7
Cameroon	3.2	0.8	2.0	1.1	0.0	1.2	2.9	3.6	4.2
Canada	1.1	2.5	4.1	1.0	-1.0	0.8	3.7	2.4	2.2
Central African Republic									
Chad	-1.7	2.5	-3.4	-4.1	-3.9	-1.6	-5.2	9.4	-1.4
Chile	4.4	6.9	7.2	3.8	2.0	3.1	2.6	6.7	5.4
China, mainland	4.7	3.1	2.5	3.7	-0.2	1.9	7.2	8.1	-4.3
Colombia	0.4	3.0	8.6	13.1	0.7	0.8	4.9	5.6	9.6
Comoros	0.4	2.0	1.6	2.6	0.8	2.5	4.9	0.4	-2.6

TABLE 37.
INFLATION IN FOOD CONSUMER PRICES (PERCENT) (CONTINUED)

COUNTRY	2013	2014	2015	2016	2017	2018	2019	2020	2021
Congo	5.7	-2.3	2.9	0.5	-1.2	0.0	-0.2	2.2	3.0
Costa Rica	3.8	4.2	3.2	-0.8	1.7	1.6	0.8	0.5	2.2
Côte d'Ivoire	1.9	-2.1	2.0	3.0	0.7	0.5	1.4	4.2	7.6
Croatia	3.7	-2.2	0.4	-0.5	2.9	1.0	-0.1	1.9	1.6
Cuba									
Cyprus	0.2	-1.5	-0.1	-0.3	-0.3	0.7	0.6	1.2	-0.4
Czechia	4.9	2.0	-1.1	-0.9	5.2	1.3	2.8	4.5	0.8
Democratic People's Republic of Korea									
Democratic Republic of the Congo	0.7	1.4	0.8	3.0	11.7	1.7	1.5	1.5	1.5
Denmark	0.4	-0.9	1.0	0.1	2.8	0.0	1.4	0.6	0.6
Djibouti	-0.9	0.2	3.1	6.0	1.9	0.2	5.7	4.8	1.7
Dominica	1.6	1.1	0.7	0.1	-0.2	2.2	1.9	0.6	1.2
Dominican Republic	4.7	3.9	6.7	2.2	2.3	3.6	3.7	6.3	9.9
Ecuador	1.8	4.5	4.2	2.5	0.5	-1.6	0.0	0.7	-0.8
Egypt	12.3	12.4	10.6	16.5	38.8	13.2	7.3	-0.2	4.5
El Salvador	2.4	3.2	1.4	-0.6	0.2	0.5	1.2	1.6	2.2
Equatorial Guinea	4.6	4.4	1.5	-4.1	1.6	1.0	0.4	4.7	-1.3
Eritrea									
Estonia	4.1	0.0	-0.5	0.0	5.7	3.0	3.0	2.1	1.8
Eswatini	5.7	6.3	4.2	15.0	8.0	0.0	2.1	4.0	2.5
Ethiopia	5.8	5.4	12.0	6.6	11.2	12.6	18.7	23.2	31.1
Fiji	3.5	1.9	4.8	6.0	-2.2	3.4	4.9	-2.4	6.5
Finland	5.3	0.2	-1.9	-1.1	-0.9	1.9	1.2	1.7	0.6
France	1.2	-0.8	0.4	0.6	1.1	2.0	2.5	2.0	0.6
Gabon	-0.4	3.0	2.8	-0.1	-0.7	3.6	3.1	1.9	1.3
Gambia	6.7	6.8	8.3	8.2	8.7	6.3	6.8	6.6	9.6
Georgia	-0.7	5.1	4.2	1.6	6.8	2.2	8.1	10.5	10.7
Germany	3.9	1.0	0.6	0.8	2.8	2.3	1.2	2.2	3.2
Ghana	7.3	6.8	7.5	8.6	7.3	7.8	7.5	11.1	10.3
Greece	0.0	-1.7	1.8	-0.2	0.3	0.4	-0.1	1.4	1.4
Grenada	0.9	0.8	1.0	-2.3	0.5	1.2	0.4	1.0	1.7
Guatemala	8.4	7.4	9.3	10.0	8.9	7.3	7.8	6.3	4.9
Guinea	12.6	7.5	13.4	11.5	13.6	13.4	11.4	12.7	15.8
Guinea-Bissau	0.8	-1.3	3.1	2.5	-0.3	0.7	0.9	2.9	5.0
Guyana									
Haiti	5.7	2.6	6.9	12.9	11.1	13.8	22.2	27.4	19.6
Honduras	5.1	6.7	3.3	1.0	1.6	3.5	2.2	4.7	2.9
Hungary	2.6	-0.8	0.6	0.3	2.6	4.0	5.1	7.2	3.4
Iceland	5.1	0.5	2.8	1.3	-2.4	2.5	3.8	4.9	3.5
India	12.8	7.2	5.3	5.4	1.8	1.7	3.5	8.8	3.7
Indonesia	11.8	6.8	7.2	7.3	2.1	4.2	1.1	5.4	2.7
Iran (Islamic Republic of)	50.4	14.2	10.6	6.6	12.5	21.8	57.2	26.5	59.1
Iraq	3.1	0.8	1.8	-0.7	-2.1	0.5	0.0	-0.5	4.8
Ireland	1.1	-2.2	-2.1	-1.3	-2.1	-2.0	-0.7	-1.4	-0.3

TABLE 37.
INFLATION IN FOOD CONSUMER PRICES (PERCENT) (CONTINUED)

COUNTRY	2013	2014	2015	2016	2017	2018	2019	2020	2021
Israel	5.2	-1.4	0.0	-1.2	0.0	0.9	2.1	0.0	1.0
Italy	2.4	0.1	1.1	0.2	1.9	1.2	0.8	1.4	0.6
Jamaica	12.6	8.5	7.7	4.0	4.4	4.1	6.3	8.5	6.4
Japan	-0.2	4.3	3.6	2.1	0.7	1.6	0.2	1.2	0.0
Jordan	4.2	0.3	1.1	-3.5	-0.4	3.2	0.3	2.3	0.1
Kazakhstan	4.2	6.5	6.4	12.8	8.6	5.0	8.1	10.4	10.8
Kenya	7.2	8.7	11.4	10.1	13.4	1.4	6.4	6.4	8.9
Kiribati	-3.4	0.6	-0.6	1.7	1.8	-1.1	-1.9	1.8	0.9
Kuwait	4.0	2.9	3.4	1.9	-0.3	0.0	1.1	4.8	9.5
Kyrgyzstan	5.4	8.2	3.7	-6.5	2.5	-2.2	1.4	11.6	18.0
Lao People's Democratic Republic	12.5	6.9	4.5	4.3	-0.1	1.2	4.6	8.7	3.0
Latvia	1.3	-0.3	-1.3	1.1	5.6	0.6	2.9	2.4	2.2
Lebanon	2.5	3.6	-1.1	-1.2	3.7	5.0	4.3	207.7	309.9
Lesotho	5.3	5.4	6.2	11.8	5.7	5.2	6.8	10.3	9.7
Liberia	10.3	8.9	10.2	7.8	6.4	20.8	29.5	20.2	0.4
Libya	3.8	4.3	18.1	30.1	34.6	19.2	-3.9	-0.1	3.2
Lithuania	1.7	0.8	-0.9	1.2	3.6	1.4	2.9	2.3	2.7
Luxembourg	3.6	0.6	0.8	1.5	2.8	2.2	1.4	2.7	0.9
Madagascar	4.9	5.4	6.5	6.2	9.3	10.8	4.8	3.8	7.4
Malawi	22.8	21.2	23.9	26.7	11.9	13.4	14.3	13.0	11.3
Malaysia	3.6	3.3	3.6	3.9	4.2	1.4	1.6	1.3	1.8
Maldives	7.2	0.8	0.5	0.6	5.6	-1.1	-0.8	2.7	1.8
Mali	-3.3	-0.2	3.0	-3.2	2.2	2.4	-5.8	2.3	5.0
Malta	4.8	0.5	3.0	2.1	3.5	2.9	3.6	1.9	2.3
Marshall Islands									
Mauritania	4.4	5.1	5.7	2.3	3.1	4.2	2.7	2.2	5.8
Mauritius	3.4	4.6	3.1	1.1	3.7	3.2	0.0	6.2	4.4
Mexico	5.2	4.7	4.0	4.5	6.9	4.8	4.4	6.6	7.2
Micronesia (Federated States of)	2.3	0.8	0.6	-1.5	-1.9	-0.9	1.3	0.6	1.2
Mongolia	10.3	9.4	0.8	-1.5	4.5	7.0	10.7	6.7	13.4
Montenegro	3.9	-1.4	2.9	-0.8	1.7	0.4	3.1	1.6	3.5
Morocco	2.2	-1.2	2.6	2.8	0.0	1.0	-1.3	0.9	0.6
Mozambique	5.3	3.8	5.1	27.1	16.6	0.0	3.3	7.6	10.9
Myanmar	18.6	4.8	6.6	5.4	4.4	6.5	9.0	2.8	5.5
Namibia	6.5	8.3	5.6	10.7	5.6	3.2	4.3	5.2	5.7
Nauru									
Nepal	10.2	11.9	10.4	8.7	0.3	3.0	5.5	7.3	4.3
Netherlands	2.4	-0.1	0.6	1.0	2.7	0.8	4.0	1.9	-0.2
New Zealand	0.3	-0.3	-0.5	-0.6	2.2	-0.1	1.1	3.3	1.9
Nicaragua	9.4	7.8	4.8	1.5	0.6	4.2	4.6	4.2	6.3
Niger	4.4	-1.2	0.4	-1.2	3.4	-0.8	-4.9	5.6	7.8
Nigeria	9.5	9.4	9.9	14.7	19.4	14.4	13.7	16.0	20.4
North Macedonia	3.4	-1.0	0.1	-1.3	0.2	0.8	1.6	2.4	3.1
Norway	1.0	3.1	2.9	2.6	0.0	2.5	1.1	3.3	-2.0

TABLE 37.
INFLATION IN FOOD CONSUMER PRICES (PERCENT) (CONTINUED)

COUNTRY	2013	2014	2015	2016	2017	2018	2019	2020	2021
Oman	2.8	1.7	-0.8	-1.2	0.5	-0.7	1.2	1.3	0.8
Pakistan	8.1	5.8	0.6	2.4	3.3	2.2	10.5	15.5	10.5
Palau	3.0	1.3	2.2	-3.2	3.9	2.7	0.7	2.2	3.1
Panama	5.8	3.3	-0.8	1.5	-0.5	-0.6	0.5	-0.7	1.6
Papua New Guinea	-1.9	4.4	4.8	5.4	3.0	0.7	3.0	2.3	4.0
Paraguay	3.2	6.5	2.9	5.8	5.8	3.9	1.2	1.2	9.1
Peru	2.0	3.2	4.4	3.6	3.0	-1.6	1.6	1.9	6.0
Philippines	2.5	5.8	1.9	1.6	3.1	6.8	2.1	2.7	5.2
Poland	1.8	-1.0	-1.7	0.9	4.3	2.6	4.8	4.6	3.0
Portugal	1.9	-1.3	1.0	0.5	1.5	0.7	0.3	2.1	0.7
Qatar	2.3	0.2	0.8	-1.9	1.9	0.0	-0.1	-0.1	2.6
Republic of Korea	0.9	0.3	1.6	2.3	3.4	2.8	0.1	4.4	5.9
Republic of Moldova	6.7	6.5	9.8	7.4	7.9	5.1	7.6	7.4	7.0
Romania	3.0	-1.6	-3.9	-2.5	2.5	3.8	4.7	4.8	3.2
Russian Federation	6.2	9.9	21.1	5.8	2.7	1.6	5.7	4.3	9.6
Rwanda	8.6	2.6	3.6	12.6	12.8	-7.4	3.5	15.7	-4.1
Saint Kitts and Nevis	2.1	0.0	-10.7	-6.1	-0.2	2.4	1.9	0.4	0.1
Saint Lucia	5.1	2.1	0.2	-3.2	-1.5	3.7	2.2	-0.8	-0.1
Saint Vincent and the Grenadines	2.0	1.6	-1.2	0.0	1.9	2.3	0.6	1.8	2.3
Samoa	0.7	-3.3	3.3	5.8	1.3	5.6	1.0	-1.6	3.4
San Marino									
Sao Tome and Principe	9.4	7.3	4.1	0.8	6.6	8.7	9.0	12.4	9.5
Saudi Arabia	5.9	1.4	0.6	-1.3	-0.8	6.5	2.1	8.9	5.5
Senegal	1.3	-1.8	1.8	3.3	1.7	0.7	1.2	3.6	2.9
Serbia	7.7	-0.9	2.0	-0.3	3.3	1.9	2.6	2.5	4.4
Seychelles	6.7	0.5	0.5	0.0	0.3	-0.1	0.0	2.5	14.8
Sierra Leone	5.7	4.7	8.3	12.5	19.5	17.7	8.8	13.8	17.0
Singapore	2.3	3.0	1.2	2.3	1.3	1.3	1.1	2.9	1.6
Slovakia	3.5	-0.8	-0.3	-2.8	4.0	3.9	4.0	2.5	1.8
Slovenia	3.6	-0.3	0.8	0.9	2.2	2.7	1.6	3.5	-0.2
Solomon Islands	2.6	3.0	-2.8	0.5	-0.7	2.2	-0.4	1.3	-3.0
Somalia	5.2	5.1	4.1	0.9	4.6	7.6	6.1	2.0	2.7
South Africa	5.7	8.0	5.0	11.6	6.9	3.1	3.5	4.4	6.1
South Sudan	-3.1	2.5	53.7	333.7	210.6	71.6	106.4	24.4	13.5
Spain	2.8	-0.3	1.2	1.4	1.2	1.6	1.0	2.4	1.8
Sri Lanka	8.6	5.2	5.3	3.1	11.3	-0.2	0.6	12.2	11.1
Sudan	31.5	30.7	14.4	13.5	34.9	69.0	62.7	136.0	235.0
Suriname	2.3	4.2	9.0	49.6	31.5	9.3	5.3	41.5	61.0
Sweden	2.2	0.4	2.3	1.1	2.1	2.4	2.8	2.1	0.4
Switzerland	1.2	0.9	-0.8	0.4	0.4	1.3	0.1	0.1	-1.6
Syrian Arab Republic	100.0	26.8	34.8	57.8	17.5	0.4	14.6	123.5	87.2
Tajikistan	5.3	7.4	6.9	5.1	9.2	2.7	11.0	11.6	10.5
Thailand	3.4	3.9	1.1	1.6	0.0	0.4	2.3	1.2	-0.1
Timor-Leste	12.9	0.7	0.3	-2.1	0.9	1.7	0.9	0.9	5.8

TABLE 37.
INFLATION IN FOOD CONSUMER PRICES (PERCENT) (CONTINUED)

COUNTRY	2013	2014	2015	2016	2017	2018	2019	2020	2021
Togo	0.4	-4.3	5.9	3.1	-1.2	0.3	-0.5	3.4	9.7
Tonga	1.9	3.6	1.8	1.3	8.6	6.2	1.7	1.9	7.2
Trinidad and Tobago	8.7	9.9	8.7	7.5	2.9	1.1	0.6	2.8	4.4
Tunisia	7.2	5.0	4.5	2.7	5.6	7.3	6.9	4.7	6.3
Türkiye	9.1	12.6	11.2	5.8	12.7	17.7	19.8	13.8	23.9
Turkmenistan									
Tuvalu									
Uganda	2.3	3.5	7.2	5.6	10.2	-1.2	-0.2	1.8	1.4
Ukraine	-2.1	11.8	45.7	9.4	12.8	11.2	8.0	2.7	10.8
United Arab Emirates	2.7	2.2	1.2	1.0	1.2	3.5	-1.4	3.7	0.0
United Kingdom of Great Britain and Northern Ireland	3.7	-0.2	-2.6	-2.4	2.3	2.1	1.4	0.7	0.3
United Republic of Tanzania	8.5	7.4	7.9	7.5	9.1	3.0	2.9	4.1	3.7
United States of America	0.9	2.6	1.2	-1.3	-0.2	0.5	0.9	3.5	3.5
Uruguay	10.7	10.4	9.5	9.6	2.8	8.3	8.7	13.8	6.8
Uzbekistan	9.2	8.5	7.1	4.9	17.8	20.1	17.0	17.2	14.3
Vanuatu	1.5	1.7	3.6	1.8	6.9	4.4	5.1	10.8	5.8
Venezuela (Bolivarian Republic of)	52.2	85.1	197.3	381.1	453.0	15 145.9	77 645.9	2 734.4	1 460.4
Viet Nam	2.7	4.0	1.5	2.4	-1.1	3.2	4.1	10.0	0.7
Yemen	11.3	1.9	11.6	17.1	7.1	4.7	5.4	7.6	4.8
Zambia	6.5	7.2	10.8	21.6	5.8	7.1	10.4	16.2	27.7
Zimbabwe	1.7	-3.1	-3.4	-3.2	2.5	13.6	256.2	696.6	132.7

Source: FAO. 2022. FAOSTAT: Consumer Price Indices. In: FAO. Rome. Cited October 2022. <https://www.fao.org/faostat/en/#data/CP>

CHAPTER 3: FOOD SECURITY AND NUTRITION

TABLE 38.
PREVALENCE OF UNDERNOURISHMENT (PERCENT)

COUNTRY	2000–2002	2004–2006	2009–2011	2014–2016	2015–2017	2016–2018	2017–2019	2018–2020	2019–2021
World	13.1	12.2	8.9	7.9	7.8	7.7	7.8	8.3	9.0
Africa	23.5	21.1	17.2	15.9	16.2	16.6	16.9	18.0	19.1
Asia	14.5	13.6	9.3	7.8	7.5	7.2	7.2	7.7	8.3
Latin America and the Caribbean	10.7	9.3	6.9	5.9	6.3	6.6	6.6	7.1	7.7
Northern America and Europe	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Oceania	6.6	6.7	6.2	5.7	5.8	5.8	5.7	5.6	5.6
Afghanistan	47.8	36.1	21.2	21.5	22.2	23.0	24.0	26.9	29.8
Albania	4.9	8.9	5.8	4.9	4.7	4.7	4.6	4.3	3.9
Algeria	8.0	6.7	4.3	2.8	2.8	2.7	<2.5	<2.5	<2.5
Andorra									
Angola	67.5	52.2	23.9	14.5	15.4	15.4	15.7	17.9	20.8
Antigua and Barbuda									
Argentina	3.0	3.7	3.1	<2.5	2.6	3.1	3.4	3.5	3.7
Armenia	26.1	12.3	3.7	2.8	2.7	2.8	2.9	3.1	3.5
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	17.0	4.8	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Bahamas									
Bahrain									
Bangladesh	15.9	14.2	15.2	14.0	13.3	12.5	11.5	11.0	11.4
Barbados	6.4	6.1	4.3	4.3	4.4	4.3	4.1	3.7	3.4
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	5.7	6.5	7.8	7.2	7.0	6.7	6.8	7.4
Benin	17.2	12.0	8.2	7.3	7.6	7.9	8.1	7.7	7.4
Bhutan									
Bolivia (Plurinational State of)	27.9	26.8	20.4	14.3	13.1	12.5	12.1	11.9	13.9
Bosnia and Herzegovina	3.2	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Botswana	23.7	22.6	21.5	19.6	20.1	21.3	21.5	22.1	21.9
Brazil	10.7	6.5	3.7	<2.5	<2.5	<2.5	<2.5	2.6	4.1
Brunei Darussalam	20.0	17.0	11.4	7.4	6.8	6.2	5.8	5.8	5.9
Bulgaria	4.0	4.9	4.0	3.4	3.5	3.0	2.8	3.0	3.0
Burkina Faso	22.6	17.5	13.3	12.0	12.3	12.4	12.7	14.1	18.0
Burundi									
Cabo Verde	14.5	11.0	14.2	16.8	17.0	16.2	15.4	14.5	17.7
Cambodia	23.6	17.0	11.2	8.9	8.5	7.7	6.6	6.0	6.3
Cameroon	22.9	15.9	7.1	5.4	5.9	6.6	6.9	6.7	6.7
Canada	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Central African Republic	39.2	39.6	30.3	49.9	48.6	46.1	46.8	49.2	52.2
Chad	38.8	37.8	31.4	28.0	28.5	29.1	30.3	31.7	32.7
Chile	3.4	3.1	3.4	3.1	3.1	2.9	2.7	2.6	2.6
China	10.0	7.0	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Colombia	8.7	11.2	12.9	6.5	6.0	5.9	6.2	7.2	8.2

TABLE 38.
PREVALENCE OF UNDERNOURISHMENT (PERCENT) (CONTINUED)

COUNTRY	2000–2002	2004–2006	2009–2011	2014–2016	2015–2017	2016–2018	2017–2019	2018–2020	2019–2021
Comoros	27.1	18.0	21.2	19.4	19.0	19.0	19.9	20.2	20.4
Congo	27.0	34.0	36.5	25.2	26.4	28.3	29.3	29.9	31.6
Costa Rica	4.7	4.4	4.6	4.1	3.6	3.2	3.2	3.4	3.4
Côte d'Ivoire	20.4	18.3	13.6	8.3	6.9	6.0	5.2	4.7	4.4
Croatia	6.8	<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	5.1	7.6	3.0	<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	35.7	33.8	39.1	40.3	41.2	42.9	42.6	43.0	41.6
Democratic Republic of the Congo	32.2	34.6	34.2	35.5	36.0	36.4	36.3	37.7	39.8
Denmark	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Djibouti	42.0	31.3	22.4	14.2	13.6	13.5	13.1	13.1	13.5
Dominica	3.7	5.4	4.8	5.3	5.4	5.7	5.7	6.5	6.9
Dominican Republic	20.4	19.2	13.0	7.4	6.8	6.2	6.1	7.0	6.7
Ecuador	21.0	22.4	12.3	9.0	9.7	10.7	11.6	13.7	15.4
Egypt	5.2	6.4	4.5	4.4	4.6	4.9	4.9	5.0	5.1
El Salvador	7.2	9.1	10.5	10.6	9.9	9.2	8.4	8.3	7.7
Equatorial Guinea									
Eritrea									
Estonia	3.6	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Eswatini	10.5	9.2	17.6	12.8	13.0	12.4	11.8	11.1	11.0
Ethiopia	47.0	37.1	24.7	14.8	14.4	15.7	18.2	21.9	24.9
Fiji	4.0	3.7	5.6	6.5	6.3	6.2	5.5	4.9	5.7
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	10.7	14.3	14.7	13.9	15.1	16.1	17.0	16.6	17.2
Gambia	17.8	21.7	10.4	11.0	11.6	12.2	13.1	18.0	21.6
Georgia	7.7	4.1	6.7	8.1	8.3	8.1	7.8	7.8	7.6
Germany	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Ghana	14.9	11.2	6.1	7.7	7.7	7.1	6.2	5.2	4.1
Greece	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Grenada									
Guatemala	22.2	18.9	16.4	17.3	16.4	16.3	16.2	16.3	16.0
Guinea									
Guinea-Bissau	15.6	16.6	19.8	26.9	26.0	25.1	25.3	28.7	31.7
Guyana	6.5	7.1	8.7	6.8	6.4	6.1	5.4	5.0	4.9
Haiti	50.7	52.9	44.4	42.4	43.2	44.6	45.4	46.4	47.2
Honduras	21.9	22.3	15.8	14.5	13.8	13.2	13.1	13.3	15.3
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	18.4	21.6	15.9	14.5	13.9	13.2	13.3	14.6	16.3
Indonesia	19.2	19.2	13.0	7.2	6.6	5.9	5.9	6.2	6.5
Iran (Islamic Republic of)	4.8	5.2	6.1	4.7	4.9	5.2	5.2	4.9	4.1

TABLE 38.
PREVALENCE OF UNDERNOURISHMENT (PERCENT) (CONTINUED)

COUNTRY	2000–2002	2004–2006	2009–2011	2014–2016	2015–2017	2016–2018	2017–2019	2018–2020	2019–2021
Iraq	22.1	17.9	15.0	18.4	19.1	18.8	18.1	17.4	15.9
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	7.4	7.4	9.7	9.7	9.3	9.0	8.1	7.5	6.9
Japan	<2.5	<2.5	2.7	<2.5	<2.5	<2.5	<2.5	2.8	3.2
Jordan	9.7	5.5	6.2	6.3	7.1	8.8	11.2	14.6	16.9
Kazakhstan	6.5	7.3	3.2	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Kenya	32.2	28.5	22.2	21.5	23.3	25.1	24.7	25.6	26.9
Kiribati	4.4	5.3	4.4	3.2	3.3	3.4	3.9	4.0	4.2
Kuwait	2.6	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	2.7
Kyrgyzstan	15.0	8.5	7.3	6.3	6.1	5.8	5.4	5.2	5.3
Lao People's Democratic Republic	31.2	22.4	14.1	6.7	5.9	5.6	5.3	5.4	5.1
Latvia	4.6	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Lebanon	7.8	10.9	5.7	5.9	6.2	6.8	7.1	9.0	10.9
Lesotho	20.0	13.7	11.6	30.3	32.0	29.5	28.7	31.2	34.7
Liberia	36.6	35.8	34.5	36.4	36.3	36.6	37.5	39.2	38.3
Libya									
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	33.8	33.4	28.2	40.2	41.6	42.3	44.3	47.4	48.5
Malawi	23.6	22.5	15.5	16.0	16.1	16.6	16.8	17.6	17.8
Malaysia	2.5	3.2	3.4	3.8	3.5	3.2	2.7	2.6	<2.5
Maldives									
Mali	16.2	13.3	5.8	3.4	3.1	3.1	3.4	5.6	9.8
Malta	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Marshall Islands									
Mauritania	8.3	9.4	8.2	8.3	8.5	8.5	8.6	9.2	10.1
Mauritius	5.7	5.1	4.3	5.6	5.8	6.0	6.0	7.2	7.8
Mexico	3.3	4.4	4.8	5.0	5.8	6.1	6.0	6.0	6.1
Micronesia (Federated States of)									
Mongolia	31.1	29.6	16.5	8.4	7.4	6.3	5.5	4.0	3.6
Montenegro	9.6	5.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Morocco	6.3	5.5	5.1	3.8	3.8	3.7	3.8	4.4	5.6
Mozambique									
Myanmar	37.6	27.8	10.2	4.2	3.5	3.0	2.6	<2.5	3.1
Namibia	13.5	18.2	28.8	21.0	20.2	19.9	20.0	18.9	18.0
Nauru									
Nepal	23.5	16.8	9.9	5.3	4.5	4.2	4.3	4.8	5.5
Netherlands	<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	27.5	23.3	20.0	19.0	18.0	17.2	17.4	17.5	18.6
Niger	22.3	18.4	14.8	12.4	11.7	10.9	11.0	13.3	19.8

TABLE 38.
PREVALENCE OF UNDERNOURISHMENT (PERCENT) (CONTINUED)

COUNTRY	2000–2002	2004–2006	2009–2011	2014–2016	2015–2017	2016–2018	2017–2019	2018–2020	2019–2021
Nigeria	8.9	7.1	8.2	9.2	9.4	10.0	10.4	12.0	12.7
North Macedonia	7.5	5.0	3.4	3.3	3.0	2.8	2.5	3.1	3.3
Norway	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Oman	12.3	9.6	7.7	8.1	8.4	8.4	7.9	8.8	9.8
Pakistan	21.1	17.6	15.4	12.8	12.4	12.1	12.3	14.1	16.9
Palau									
Panama	24.5	21.6	10.9	8.1	7.8	6.7	6.0	5.4	5.8
Papua New Guinea	26.3	27.4	26.2	23.0	23.2	23.1	22.6	21.9	21.6
Paraguay	10.5	9.5	7.7	7.4	7.7	7.8	7.8	8.2	8.7
Peru	21.5	18.8	8.7	5.9	6.9	7.6	7.6	8.1	8.3
Philippines	18.7	14.4	12.2	10.2	8.8	7.5	6.2	5.5	5.2
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	34.3	17.6	6.2	6.1	5.9	6.2	6.5	6.7
Romania	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Russian Federation	4.0	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Rwanda	38.5	35.3	31.4	35.3	34.9	34.7	34.7	35.2	35.8
Saint Kitts and Nevis									
Saint Lucia									
Saint Vincent and the Grenadines	13.4	7.9	5.8	5.9	5.8	5.7	5.5	6.6	7.6
Samoa	3.5	3.4	4.2	4.4	4.7	4.6	4.5	4.4	4.4
San Marino									
Sao Tome and Principe	14.7	9.0	13.0	12.9	12.9	12.5	12.8	13.0	13.5
Saudi Arabia	4.9	4.8	5.9	3.7	3.7	3.7	3.8	3.9	3.7
Senegal	24.1	18.1	11.3	10.7	9.5	8.5	7.8	7.4	7.5
Serbia	3.1	<2.5	<2.5	4.1	4.2	4.0	3.8	3.7	3.3
Seychelles									
Sierra Leone	50.7	46.7	29.1	25.8	25.9	27.2	27.7	27.9	27.4
Singapore									
Slovakia	6.1	5.5	5.0	5.8	5.6	4.4	3.9	3.7	3.8
Slovenia	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Solomon Islands	13.3	12.5	13.7	18.5	18.1	17.7	17.6	17.8	18.1
Somalia									
South Africa	3.9	3.4	3.7	5.2	5.4	5.5	5.7	6.3	6.9
South Sudan									
Spain	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Sri Lanka	16.7	14.0	9.6	5.2	4.7	4.3	4.1	3.7	3.4
Sudan	21.5	18.9	16.5	11.2	11.8	11.8	11.8	11.7	12.8
Suriname	11.8	9.7	7.3	7.8	8.3	8.3	8.0	8.0	8.2
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
Syrian Arab Republic									

TABLE 38.
PREVALENCE OF UNDERNOURISHMENT (PERCENT) (CONTINUED)

COUNTRY	2000–2002	2004–2006	2009–2011	2014–2016	2015–2017	2016–2018	2017–2019	2018–2020	2019–2021
Tajikistan	40.9	38.7	26.5	15.8	13.4	11.6	9.9	9.2	8.6
Thailand	17.3	11.9	9.9	7.3	7.5	7.7	7.8	8.0	8.8
Timor-Leste	41.5	32.2	31.2	24.5	24.2	24.6	25.1	25.0	26.2
Togo	31.3	27.7	20.8	20.5	21.2	21.0	20.7	20.1	18.8
Tonga									
Trinidad and Tobago	10.0	11.1	8.2	6.8	6.8	6.9	7.0	7.3	7.5
Tunisia	4.4	4.3	3.4	2.5	<2.5	<2.5	<2.5	2.6	3.1
Türkiye	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Turkmenistan	6.8	4.2	4.3	3.4	3.4	3.5	3.5	3.5	3.5
Tuvalu									
Uganda									
Ukraine	3.0	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	2.6	2.8
United Arab Emirates	2.8	8.0	8.4	6.5	6.3	6.4	6.2	6.0	5.6
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	33.1	28.4	25.6	22.5	22.7	23.0	23.3	23.4	22.6
United States of America	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Uruguay	3.6	3.9	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Uzbekistan	17.9	14.7	5.4	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Vanuatu	7.5	6.9	6.3	10.3	11.2	12.3	12.6	12.4	11.9
Venezuela (Bolivarian Republic of)	14.9	8.4	<2.5	11.3	16.4	22.2	22.7	24.9	22.9
Viet Nam	19.7	15.5	10.9	8.1	7.8	7.2	6.8	6.2	5.7
Yemen	26.7	27.8	27.1	43.4	46.1	46.6	44.7	42.8	41.4
Zambia	51.7	52.5	46.7	35.7	34.1	32.6	32.6	31.7	30.9
Zimbabwe									

Source: FAO. 2022. FAOSTAT: Suite of Food Security Indicators. In: FAO. Rome. Cited October 2022.
<https://www.fao.org/faostat/en/#data/FS>

TABLE 39.
PEOPLE UNDERNOURISHED (MILLION)

COUNTRY	2000–2002	2004–2006	2009–2011	2014–2016	2015–2017	2016–2018	2017–2019	2018–2020	2019–2021
World	816.7	798.9	620.6	581.8	582.4	583.0	594.1	643.5	702.7
Africa	195.5	193.2	178.3	188.3	196.3	206.1	215.9	235.7	256.1
Asia	549.3	542.6	392.0	347.7	337.8	326.7	327.9	353.7	387.5
Latin America and the Caribbean	56.7	51.6	40.8	37.1	39.7	41.9	42.2	46.0	50.7
Northern America and Europe									
Oceania	2.1	2.2	2.3	2.3	2.3	2.4	2.4	2.3	2.4
Afghanistan	10.3	9.2	6.2	7.4	7.8	8.3	8.9	10.2	11.6
Albania	0.2	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1
Algeria	2.5	2.2	1.6	1.1	1.1	1.1			
Andorra									
Angola	11.4	10.1	5.6	4.1	4.4	4.6	4.8	5.7	6.8
Antigua and Barbuda									
Argentina	1.1	1.4	1.3		1.1	1.4	1.5	1.6	1.7
Armenia	0.8	0.4	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1
Australia									
Austria									
Azerbaijan	1.4	0.4							
Bahamas									
Bahrain									
Bangladesh	20.7	19.7	22.5	21.8	21.0	20.0	18.5	18.0	18.8
Barbados	<0.1	<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	1.0	0.8	0.8	0.8	0.9	0.9	0.9	0.9
Bhutan									
Bolivia (Plurinational State of)	2.4	2.5	2.0	1.6	1.4	1.4	1.4	1.4	1.6
Bosnia and Herzegovina	0.1								
Botswana	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5
Brazil	18.9	12.1	7.3					5.4	8.6
Brunei Darussalam	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Bulgaria	0.3	0.4	0.3	0.2	0.3	0.2	0.2	0.2	0.2
Burkina Faso	2.7	2.4	2.1	2.2	2.3	2.4	2.5	2.9	3.8
Burundi									
Cabo Verde	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cambodia	2.9	2.3	1.6	1.4	1.3	1.2	1.1	1.0	1.0
Cameroon	3.6	2.8	1.4	1.3	1.4	1.6	1.7	1.7	1.8
Canada									
Central African Republic	1.5	1.6	1.3	2.2	2.2	2.1	2.2	2.3	2.5
Chad	3.4	3.8	3.8	3.9	4.2	4.4	4.7	5.1	5.4
Chile	0.5	0.5	0.6	0.5	0.6	0.5	0.5	0.5	0.5
China	132.5	95.4							
Colombia	3.5	4.8	5.8	3.1	2.9	2.9	3.1	3.6	4.2
Comoros	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2

TABLE 39.
PEOPLE UNDERNOURISHED (MILLION) (CONTINUED)

COUNTRY	2000–2002	2004–2006	2009–2011	2014–2016	2015–2017	2016–2018	2017–2019	2018–2020	2019–2021
Congo	0.9	1.2	1.6	1.2	1.3	1.4	1.5	1.6	1.7
Costa Rica	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Côte d'Ivoire	3.4	3.4	2.8	1.9	1.6	1.5	1.3	1.2	1.2
Croatia	0.3								
Cuba									
Cyprus	<0.1	<0.1	<0.1						
Czechia									
Democratic People's Republic of Korea	8.2	8.1	9.6	10.1	10.4	10.9	10.9	11.0	10.7
Democratic Republic of the Congo	15.6	19.0	22.1	27.1	28.4	29.6	30.5	32.7	35.6
Denmark									
Djibouti	0.3	0.2	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	<0.1
Dominican Republic	1.8	1.7	1.3	0.8	0.7	0.7	0.6	0.7	0.7
Ecuador	2.7	3.1	1.8	1.5	1.6	1.8	2.0	2.4	2.7
Egypt	3.7	4.9	3.7	4.1	4.3	4.7	4.8	5.0	5.2
El Salvador	0.4	0.6	0.7	0.7	0.6	0.6	0.5	0.5	0.5
Equatorial Guinea									
Eritrea									
Estonia	<0.1								
Eswatini	0.1	<0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1
Ethiopia	32.0	28.3	21.6	14.9	14.9	16.7	19.9	24.6	28.6
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	0.3	0.3	0.3	0.4	0.4	0.4
Gambia	0.2	0.3	0.2	0.2	0.2	0.3	0.3	0.4	0.5
Georgia	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Germany									
Ghana	2.9	2.5	1.5	2.1	2.2	2.1	1.9	1.6	1.3
Greece									
Grenada									
Guatemala	2.6	2.5	2.4	2.8	2.7	2.8	2.8	2.9	2.9
Guinea									
Guinea-Bissau	0.2	0.2	0.3	0.5	0.5	0.5	0.5	0.6	0.6
Guyana	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Haiti	4.4	4.9	4.4	4.5	4.7	4.9	5.0	5.2	5.4
Honduras	1.5	1.7	1.3	1.3	1.3	1.2	1.3	1.3	1.5
Hungary									
Iceland									
India	198.3	247.8	195.9	190.5	184.1	176.3	180.2	200.0	224.3
Indonesia	41.1	43.5	31.4	18.7	17.3	15.7	15.7	16.7	17.7
Iran (Islamic Republic of)	3.2	3.6	4.5	3.7	3.9	4.2	4.3	4.1	3.4
Iraq	5.4	4.8	4.5	6.5	7.0	7.0	6.9	6.8	6.4

TABLE 39.
PEOPLE UNDERNOURISHED (MILLION) (CONTINUED)

COUNTRY	2000–2002	2004–2006	2009–2011	2014–2016	2015–2017	2016–2018	2017–2019	2018–2020	2019–2021
Ireland									
Israel									
Italy									
Jamaica	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.2
Japan			3.4					3.6	4.0
Jordan	0.5	0.3	0.5	0.6	0.7	0.9	1.1	1.5	1.7
Kazakhstan	1.0	1.1	0.5						
Kenya	10.6	10.4	9.3	10.3	11.4	12.6	12.7	13.5	14.4
Kiribati	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Kuwait	<0.1								0.1
Kyrgyzstan	0.7	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3
Lao People's Democratic Republic	1.7	1.3	0.9	0.5	0.4	0.4	0.4	0.4	0.4
Latvia	0.1								
Lebanon	0.3	0.5	0.3	0.4	0.4	0.5	0.5	0.6	0.7
Lesotho	0.4	0.3	0.2	0.6	0.7	0.6	0.6	0.7	0.7
Liberia	1.1	1.2	1.3	1.6	1.7	1.7	1.8	1.9	1.9
Libya									
Lithuania									
Luxembourg									
Madagascar	5.5	6.1	6.0	9.7	10.3	10.8	11.6	12.8	13.4
Malawi	2.7	2.8	2.3	2.7	2.8	2.9	3.1	3.3	3.4
Malaysia	0.6	0.8	1.0	1.1	1.1	1.0	0.9	0.8	
Maldives									
Mali	1.8	1.7	0.9	0.6	0.6	0.6	0.7	1.1	2.0
Malta									
Marshall Islands									
Mauritania	0.2	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.5
Mauritius	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Mexico	3.3	4.7	5.5	6.1	7.1	7.7	7.6	7.7	7.8
Micronesia (Federated States of)									
Mongolia	0.8	0.7	0.4	0.3	0.2	0.2	0.2	0.1	0.1
Montenegro	<0.1	<0.1							
Morocco	1.8	1.7	1.6	1.3	1.3	1.3	1.4	1.6	2.1
Mozambique									
Myanmar	17.7	13.6	5.2	2.2	1.9	1.6	1.4		1.7
Namibia	0.2	0.4	0.6	0.5	0.5	0.5	0.5	0.5	0.5
Nauru									
Nepal	5.7	4.3	2.7	1.4	1.2	1.2	1.2	1.4	1.6
Netherlands									
New Zealand									
Nicaragua	1.4	1.3	1.2	1.2	1.1	1.1	1.1	1.1	1.2
Niger	2.6	2.5	2.4	2.5	2.4	2.4	2.5	3.1	4.8
Nigeria	11.2	9.9	13.0	16.6	17.5	19.2	20.4	24.0	26.2
North Macedonia	0.2	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	2014–2016	2015–2017	2016–2018	2017–2019	2018–2020	2019–2021
Norway									
Oman	0.3	0.2	0.2	0.3	0.4	0.4	0.4	0.4	0.5
Pakistan	30.8	28.2	27.5	25.5	25.2	25.2	26.0	30.5	37.2
Palau									
Panama	0.8	0.7	0.4	0.3	0.3	0.3	0.2	0.2	0.2
Papua New Guinea	1.6	1.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9
Paraguay	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.6	0.6
Peru	5.8	5.2	2.5	1.8	2.1	2.4	2.4	2.6	2.7
Philippines	14.9	12.4	11.4	10.4	9.1	7.9	6.6	5.9	5.7
Poland									
Portugal									
Qatar									
Republic of Korea									
Republic of Moldova	1.0	1.4	0.7	0.3	0.2	0.2	0.2	0.3	0.3
Romania									
Russian Federation	5.9								
Rwanda	3.2	3.1	3.2	4.0	4.1	4.2	4.3	4.4	4.6
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	1.0	1.1	1.6	1.2	1.2	1.2	1.3	1.3	1.3
Senegal	2.4	2.0	1.4	1.6	1.4	1.3	1.2	1.2	1.2
Serbia	0.3			0.4	0.4	0.4	0.3	0.3	0.3
Seychelles									
Sierra Leone	2.4	2.6	1.9	1.9	1.9	2.0	2.1	2.2	2.2
Singapore									
Slovakia	0.3	0.3	0.3	0.3	0.3	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									
South Africa	1.8	1.6	1.9	2.9	3.0	3.1	3.3	3.7	4.1
South Sudan									
Spain									
Sri Lanka	3.2	2.7	1.9	1.1	1.0	0.9	0.9	0.8	0.7
Sudan	6.0	5.8	5.7	4.4	4.7	4.8	4.9	5.0	5.6
Suriname	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Sweden									
Switzerland									
Syrian Arab Republic									
Tajikistan	2.6	2.6	2.0	1.3	1.2	1.0	0.9	0.9	0.8
Thailand	11.0	7.8	6.6	5.0	5.1	5.4	5.4	5.5	6.2

TABLE 39.
PEOPLE UNDERNOURISHED (MILLION) (CONTINUED)

COUNTRY	2000–2002	2004–2006	2009–2011	2014–2016	2015–2017	2016–2018	2017–2019	2018–2020	2019–2021
Timor-Leste	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Togo	1.6	1.6	1.3	1.5	1.6	1.6	1.6	1.6	1.6
Tonga									
Trinidad and Tobago	0.1	0.1	0.1	<0.1	<0.1	<0.1	<0.1	0.1	0.1
Tunisia	0.4	0.4	0.4	0.3				0.3	0.4
Türkiye									
Turkmenistan	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Tuvalu									
Uganda									
Ukraine	1.4							1.1	1.2
United Arab Emirates	<0.1	0.4	0.7	0.6	0.6	0.6	0.6	0.6	0.6
United Kingdom of Great Britain and Northern Ireland									
United Republic of Tanzania	11.4	10.9	11.3	11.6	12.0	12.6	13.1	13.6	13.5
United States of America									
Uruguay	0.1	0.1							
Uzbekistan	4.5	3.9	1.6						
Vanuatu	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Venezuela (Bolivarian Republic of)	3.7	2.2		3.4	4.9	6.5	6.6	7.1	6.5
Viet Nam	15.9	13.0	9.6	7.5	7.3	6.8	6.5	6.0	5.6
Yemen	4.8	5.6	6.3	11.5	12.5	13.0	12.7	12.5	12.3
Zambia	5.5	6.2	6.4	5.7	5.6	5.5	5.7	5.7	5.7
Zimbabwe									

Source: FAO. 2022. FAOSTAT: Suite of Food Security Indicators. In: FAO. Rome. Cited October 2022.

<https://www.fao.org/faostat/en/#data/FS>

TABLE 40.
FOOD INSECURITY LEVELS (PERCENT)

COUNTRY	PREVALENCE OF SEVERE FOOD INSECURITY				PREVALENCE OF MODERATE OR SEVERE FOOD INSECURITY			
	2014–2016	2017–2019	2018–2020	2019–2021	2014–2016	2017–2019	2018–2020	2019–2021
World	7.7	8.9	9.7	10.7	21.8	24.8	26.6	28.1
Africa	17.7	19.8	20.7	22.0	46.5	51.7	53.3	55.5
Asia	6.7	7.6	8.7	9.5	17.6	20.4	22.7	23.9
Latin America and the Caribbean	7.9	9.7	10.7	12.3	27.6	32.0	34.2	37.3
Northern America and Europe	1.3	1.0	1.0	1.2	9.1	7.7	7.5	7.6
Oceania	2.8	3.9	3.4	3.7	11.1	13.7	12.9	12.9
Afghanistan	14.8	17.3	19.8	22.5	45.1	57.5	63.1	70.0
Albania	10.0	10.0	8.8	7.7	38.8	37.1	33.8	30.9
Algeria	13.0	9.3	6.9	6.2	22.9	17.6	17.6	19.0
Andorra								
Angola	21.0	24.0	26.9	30.4	66.5	70.1	73.5	77.7
Antigua and Barbuda				7.1				33.0
Argentina	5.8	12.9	12.6	13.0	19.2	35.8	35.8	37.0
Armenia		1.1	1.1	1.0		14.8	12.7	10.7
Australia	2.8	3.8	3.3	3.6	10.8	13.3	12.3	11.9
Austria	1.1	1.1	0.9	1.3	5.5	3.6	3.0	3.3
Azerbaijan	<0.5	<0.5	<0.5	<0.5	5.9	9.6	8.9	9.5
Bahamas				3.4				17.2
Bahrain								
Bangladesh	13.3	10.6	10.5	10.7	32.2	31.5	31.9	31.7
Barbados				7.4				31.1
Belarus								
Belgium			1.1	1.3			3.7	4.8
Belize		6.1	6.0	6.0		35.7	39.0	42.3
Benin	10.4	14.2	13.8	13.8	55.0	65.6	65.7	67.9
Bhutan								
Bolivia (Plurinational State of)								
Bosnia and Herzegovina	1.5	1.5	2.0	2.8	9.6	9.2	10.0	12.6
Botswana	18.4	23.0	23.7	25.4	46.4	53.1	54.0	55.6
Brazil	1.9	1.6	3.5	7.3	18.3	20.6	23.5	28.9
Brunei Darussalam								
Bulgaria	1.9	1.9	2.4	2.9	14.9	12.5	13.2	15.5
Burkina Faso	10.0	12.6	15.4	18.5	41.8	42.8	47.9	52.6
Burundi								
Cabo Verde		8.6	7.6	6.4		36.4	35.1	35.4
Cambodia	16.9	13.6	14.0	15.1	48.9	44.1	46.6	50.0
Cameroon	22.3	28.1	27.3	26.7	49.9	57.0	56.4	55.8
Canada	0.6	0.7	0.9	1.0	5.0	5.1	5.8	6.5
Central African Republic			61.8	61.8			81.3	81.3
Chad								
Chile	2.9	3.6	3.6	3.8	10.8	15.3	17.3	17.4
China								
Colombia								

TABLE 40.
FOOD INSECURITY LEVELS (PERCENT) (CONTINUED)

COUNTRY	PREVALENCE OF SEVERE FOOD INSECURITY				PREVALENCE OF MODERATE OR SEVERE FOOD INSECURITY			
	2014–2016	2017–2019	2018–2020	2019–2021	2014–2016	2017–2019	2018–2020	2019–2021
Comoros				27.4				79.7
Congo	42.6	51.1	51.7	55.5	82.0	88.2	88.3	88.7
Costa Rica	1.8	2.4	2.6	2.8	12.2	14.5	15.3	15.9
Côte d'Ivoire	6.2	9.2	9.1	9.4	34.1	38.6	40.6	42.8
Croatia	0.6	0.9	1.3	1.6	6.5	10.0	11.0	11.4
Cuba								
Cyprus								
Czechia	0.7	<0.5	0.8	1.6	5.8	3.8	4.2	5.8
Democratic People's Republic of Korea								
Democratic Republic of the Congo			38.5	39.2			69.2	72.3
Denmark	1.0	1.1	1.1	1.4	5.9	5.2	5.0	5.5
Djibouti				16.5				49.2
Dominica								
Dominican Republic								
Ecuador	6.0	9.9	11.6	12.8	20.7	29.2	32.7	36.8
Egypt	8.4	7.4	6.7	7.1	27.8	31.2	27.8	27.3
El Salvador	13.8	14.6	15.1	14.7	42.2	42.2	45.1	46.5
Equatorial Guinea								
Eritrea								
Estonia	0.9	0.9	0.8	0.8	9.5	7.4	7.9	7.9
Eswatini				18.3				67.0
Ethiopia	14.5	14.1	16.4	19.6	56.2	57.9	56.3	56.2
Fiji			2.0	4.2			14.3	19.3
Finland	2.4	2.0	1.9	2.4	9.3	7.7	8.0	8.8
France	1.6	0.7	0.7	1.0	6.8	6.0	5.8	5.9
Gabon								
Gambia		24.6	25.7	27.1		54.3	56.0	58.0
Georgia	7.0	7.3	9.5	9.5	31.8	38.3	39.7	38.8
Germany	1.0	0.7	0.7	1.1	4.1	3.5	3.4	3.5
Ghana	5.1	6.2	6.0	5.6	38.3	39.5	38.2	36.6
Greece	2.6	2.3	1.7	1.6	15.8	13.3	8.6	6.8
Grenada		8.3	8.3	7.5		23.6	23.6	22.3
Guatemala	16.1	18.1	19.2	20.7	42.7	45.2	49.7	55.9
Guinea	44.3	49.7	49.7	48.9	72.5	74.1	74.1	73.3
Guinea-Bissau		12.5	21.0	29.2		64.4	69.8	75.0
Guyana								
Haiti			48.8	45.2			82.7	82.5
Honduras	14.2	14.0	14.6	17.9	41.6	40.9	45.6	49.9
Hungary	1.4	0.8	1.4	2.1	11.3	6.9	8.6	10.6
Iceland	1.7	1.5	1.5	1.3	6.4	7.2	6.6	6.3
India								
Indonesia	0.7	0.8	0.7	0.7	6.0	7.0	6.2	6.0
Iran (Islamic Republic of)	9.5	8.4	8.7	7.7	48.0	40.6	42.5	42.4

TABLE 40.
FOOD INSECURITY LEVELS (PERCENT) (CONTINUED)

COUNTRY	PREVALENCE OF SEVERE FOOD INSECURITY				PREVALENCE OF MODERATE OR SEVERE FOOD INSECURITY			
	2014–2016	2017–2019	2018–2020	2019–2021	2014–2016	2017–2019	2018–2020	2019–2021
Iraq								
Ireland	3.4	3.5	4.3	3.2	8.9	7.2	8.3	6.5
Israel	1.3	1.7	1.9	2.0	11.0	12.9	13.7	14.2
Italy	1.2	1.1	1.2	1.9	8.6	7.2	6.7	6.3
Jamaica	25.3	23.0	23.3	23.1	48.3	45.8	48.4	50.3
Japan	<0.5	0.7	0.7	0.9	2.6	3.2	3.4	3.8
Jordan	14.3	13.2	15.1	17.0	30.2	35.6	37.7	43.0
Kazakhstan		<0.5	<0.5	<0.5		2.1	2.3	2.7
Kenya	15.0	23.4	24.9	26.1	50.7	64.4	67.7	69.5
Kiribati		8.0	8.0	8.0		41.0	41.0	41.0
Kuwait	4.9	4.9	4.9	4.9	12.6	12.3	12.2	12.2
Kyrgyzstan		0.8	0.9	1.0		6.3	6.4	6.6
Lao People's Democratic Republic			8.9	8.3			29.4	31.8
Latvia	0.6	0.6	0.7	0.7	9.9	9.5	10.2	9.4
Lebanon		4.2	6.9	10.2		14.7	21.2	29.1
Lesotho		27.0	29.0	30.9		49.7	52.0	54.4
Liberia	38.6		37.3	37.3	79.7		80.6	80.6
Libya	11.2	16.7	18.6	20.7	29.1	35.7	37.4	39.4
Lithuania	2.5	1.1	1.7	1.9	15.3	10.7	11.3	9.8
Luxembourg	1.8	0.9	0.8	0.7	4.7	3.3	3.1	2.8
Madagascar		9.5	9.9	10.3		58.0	59.6	61.1
Malawi	47.7	48.3	49.5	51.0	78.1	78.8	79.9	81.3
Malaysia	7.8	6.7	6.6	6.3	17.4	15.1	14.9	15.4
Maldives				2.2				13.4
Mali								
Malta	1.5	0.8	0.9	1.4	5.9	4.4	4.3	5.2
Marshall Islands								
Mauritania	4.6	5.9	6.6	7.2	26.3	35.9	41.2	45.3
Mauritius	5.2	6.8	8.3	9.1	13.0	20.7	24.2	28.2
Mexico	3.6	3.7	3.9	3.7	25.6	23.0	24.6	26.1
Micronesia (Federated States of)								
Mongolia	3.4	5.9	4.9	5.0	21.0	27.5	26.2	25.7
Montenegro	2.1	2.2	2.8	3.4	12.6	12.9	13.5	14.0
Morocco	6.0	6.0	7.1	9.7	26.7	26.7	28.0	31.6
Mozambique		40.7	40.5	40.4		68.4	71.1	73.7
Myanmar			1.9	3.7			22.2	25.5
Namibia	28.9	31.3	32.1	32.6	53.2	56.4	57.6	57.9
Nauru								
Nepal	10.4	10.3	12.0	13.6	29.5	33.8	36.4	37.8
Netherlands	1.5	1.7	1.4	1.4	5.7	5.1	4.7	4.4
New Zealand	2.8	4.4	3.9	3.5	10.0	13.9	14.0	14.5
Nicaragua								
Niger		11.9	16.6			52.1	56.4	

TABLE 40.
FOOD INSECURITY LEVELS (PERCENT) (CONTINUED)

COUNTRY	PREVALENCE OF SEVERE FOOD INSECURITY				PREVALENCE OF MODERATE OR SEVERE FOOD INSECURITY			
	2014–2016	2017–2019	2018–2020	2019–2021	2014–2016	2017–2019	2018–2020	2019–2021
Nigeria	11.0	15.1	17.3	19.1	34.7	47.1	53.5	58.5
North Macedonia	3.6	3.2	5.0	6.0	15.1	14.4	17.7	20.9
Norway	1.1	1.1	1.0	1.0	4.8	4.8	4.1	4.3
Oman								
Pakistan	0.9	1.6	4.8	8.7	14.0	14.2	24.3	32.6
Palau								
Panama								
Papua New Guinea								
Paraguay	1.2	4.1	5.2	5.6	8.3	21.3	24.0	25.3
Peru	13.5	18.0	19.2	20.5	37.2	44.9	47.8	50.5
Philippines		3.2	4.0	4.8		41.2	42.7	43.8
Poland	1.8	<0.5	<0.5	0.9	8.9	4.3	5.8	7.4
Portugal	4.1	2.9	3.2	3.2	14.7	10.7	11.5	11.6
Qatar								
Republic of Korea	<0.5	<0.5	0.6	0.7	4.8	5.2	5.1	5.3
Republic of Moldova	1.6	4.0	4.5	4.9	19.3	27.5	27.2	24.9
Romania	5.6	3.4	3.4	3.7	19.3	14.5	13.9	13.4
Russian Federation	0.7	<0.5	<0.5	<0.5	8.2	7.1	6.0	5.5
Rwanda								
Saint Kitts and Nevis	8.1	8.1	7.2	6.4	21.1	21.1	24.0	26.9
Saint Lucia	4.5				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				54.6
Saudi Arabia								
Senegal	7.5	8.7	10.0	11.2	39.0	40.0	44.0	49.2
Serbia	1.7	2.0	2.6	3.8	11.4	12.4	12.0	14.1
Seychelles	3.2				14.3			
Sierra Leone	26.7	32.4	32.2	31.5	75.8	83.0	85.3	86.7
Singapore	1.0	1.4	0.9	0.7	2.8	4.7	4.5	4.6
Slovakia	1.1	0.8	1.1	1.6	6.2	5.0	6.0	7.7
Slovenia	0.9	<0.5	<0.5	0.6	12.3	10.2	8.2	7.4
Solomon Islands								
Somalia				41.6				77.4
South Africa		6.9	7.5	8.0		17.4	18.2	19.0
South Sudan		63.7	63.0	62.3		84.9	85.7	86.4
Spain	1.1	1.8	1.8	2.0	7.1	8.6	8.8	8.6
Sri Lanka	0.7	0.7	0.9	1.1	5.9	7.6	8.9	10.0
Sudan	13.4	16.4	16.8	17.4	41.4	48.9	49.4	50.7
Suriname				7.2				35.8
Sweden	0.8	1.2	1.2	1.3	4.5	5.7	5.3	5.3
Switzerland	1.5	0.7	<0.5	<0.5	4.8	2.6	2.0	2.2

TABLE 40.
FOOD INSECURITY LEVELS (PERCENT) (CONTINUED)

COUNTRY	PREVALENCE OF SEVERE FOOD INSECURITY				PREVALENCE OF MODERATE OR SEVERE FOOD INSECURITY			
	2014–2016	2017–2019	2018–2020	2019–2021	2014–2016	2017–2019	2018–2020	2019–2021
Syrian Arab Republic								
Tajikistan								
Thailand	4.2	7.7	8.5	10.5	15.1	26.4	29.8	33.8
Timor-Leste								
Togo	16.1	16.9	17.2	18.8	60.4	61.9	61.2	62.5
Tonga		6.0	6.0	6.0		23.2	23.2	23.2
Trinidad and Tobago				10.2				43.3
Tunisia	9.1	9.7	10.7	12.6	18.2	22.1	25.1	28.0
Türkiye								
Turkmenistan								
Tuvalu								
Uganda	19.2	24.4	23.3	23.2	63.4	74.5	72.9	72.5
Ukraine	2.0	1.6	2.5	3.2	19.8	18.3	19.9	22.7
United Arab Emirates				0.8				7.5
United Kingdom of Great Britain and Northern Ireland	1.9	1.3	0.7	1.1	6.3	4.9	3.9	3.5
United Republic of Tanzania	20.6	25.0	24.4	25.8	48.8	56.1	56.3	57.6
United States of America	1.1	0.8	0.8	0.7	10.5	8.4	8.2	8.2
Uruguay	6.8	6.4	6.7	7.3	21.6	23.2	23.5	23.0
Uzbekistan	1.9	2.8	4.0	5.6	11.2	17.2	19.7	23.5
Vanuatu		2.4	2.4	2.4		23.3	23.3	23.3
Venezuela (Bolivarian Republic of)								
Viet Nam		<0.5	0.5	0.6		6.2	6.5	7.6
Yemen								
Zambia	22.4	26.2	28.2	32.6	51.2	55.6	60.3	69.5
Zimbabwe	35.5	34.2	32.1	31.3	64.7	66.7	69.8	73.0

Source: FAO. 2022. FAOSTAT: Suite of Food Security Indicators. In: FAO. Rome. Cited October 2022.
<https://www.fao.org/faostat/en/#data/FS>

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	2019–2021	2014–2016	2019–2021	2014–2016	2019–2021	2014–2016	2019–2021
World	7.7	11.1	8.5	12.7	20.6	27.3	22.6	30.3
Africa	20.2	26.0	21.6	27.4	47.4	56.9	50.4	59.0
Asia	6.6	9.7	7.2	11.7	17.8	24.2	19.1	26.9
Latin America and the Caribbean	7.8	11.8	9.6	14.9	23.6	32.4	27.7	41.5
Northern America and Europe	2.5	3.2	2.6	3.3	9.6	11.2	12.0	13.2
Oceania	2.1	3.5	2.4	2.7	7.9	10.8	10.8	10.9
Afghanistan	14.2	24.0	15.3	39.8	42.7	65.5	47.8	82.9
Albania	8.7	6.5	10.1	8.5	33.9	26.6	40.8	33.1
Algeria	11.6	6.4	13.7	4.7	21.3	18.7	23.8	15.6
Andorra								
Angola	18.5	18.9	20.2	20.7	61.7	62.4	66.5	67.2
Antigua and Barbuda		7.4		6.8		28.9		36.9
Argentina	4.3	9.4	5.7	14.6	13.8	30.0	19.8	40.1
Armenia		3.4		4.6		28.6		34.7
Australia	2.1	3.4	2.2	2.6	8.0	10.5	10.7	10.5
Austria	0.8	1.2	1.2	1.2	3.8	3.1	5.5	3.6
Azerbaijan	<0.5	<0.5	<0.5	<0.5	5.4	9.3	6.1	9.4
Bahamas		3.6		3.3		17.6		16.9
Bahrain								
Bangladesh	9.9	11.8	14.7	13.9	29.5	31.6	32.0	35.5
Barbados		6.8		7.9		28.7		33.2
Belarus								
Belgium		1.2		1.1		4.9		3.7
Belize								
Benin								
Bhutan								
Bolivia (Plurinational State of)								
Bosnia and Herzegovina	1.7	2.8	1.4	2.7	9.2	11.1	9.6	13.7
Botswana	28.4	39.2	36.1	49.8	53.4	64.0	62.1	74.4
Brazil	1.7	5.7	3.7	8.7	11.2	20.7	15.2	30.2
Brunei Darussalam								
Bulgaria	1.8	2.5	1.4	2.8	12.7	13.5	14.8	16.4
Burkina Faso	24.9	35.0	21.3	30.3	54.5	59.1	53.7	54.9
Burundi								
Cabo Verde								
Cambodia	13.5	11.8	18.4	16.4	42.8	45.0	51.8	51.0
Cameroon								
Canada	1.8	3.3	2.5	3.4	8.8	10.6	10.4	12.8
Central African Republic								
Chad								
Chile	3.0	4.6	4.2	5.3	10.7	17.5	14.9	20.6

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	2019–2021	2014–2016	2019–2021	2014–2016	2019–2021	2014–2016	2019–2021
China								
Colombia								
Comoros								
Congo	41.6	55.1	41.6	54.0	81.0	88.6	81.5	87.5
Costa Rica	4.4	6.1	4.3	7.8	19.1	21.8	21.1	30.0
Côte d'Ivoire								
Croatia	0.7	1.1	0.6	2.1	6.7	8.6	7.2	13.4
Cuba								
Cyprus								
Czechia	0.6	1.5	0.6	1.2	4.9	5.0	5.9	5.7
Democratic People's Republic of Korea								
Democratic Republic of the Congo								
Denmark	0.8	1.2	1.0	1.7	4.7	4.9	6.0	6.2
Djibouti		17.4		15.2		49.3		49.2
Dominica								
Dominican Republic								
Ecuador	10.5	19.3	11.3	24.1	31.0	52.0	33.6	59.2
Egypt	6.7	5.8	9.5	6.8	22.0	23.7	30.7	26.8
El Salvador	11.9	11.9	14.2	16.5	37.0	39.0	43.8	49.4
Equatorial Guinea								
Eritrea								
Estonia	1.0	0.9	0.8	0.9	8.3	7.3	9.9	8.2
Eswatini		19.4		17.2		66.1		67.7
Ethiopia	11.8	13.5	14.8	14.0	53.0	57.3	55.3	54.5
Fiji								
Finland	2.7	2.2	2.6	2.8	8.5	7.3	10.3	10.5
France	1.7	1.2	1.7	0.7	6.4	6.2	7.0	5.3
Gabon								
Gambia		28.7		25.2		59.5		56.6
Georgia	6.3	8.3	7.1	10.0	30.0	35.1	32.8	41.0
Germany	0.7	1.1	1.1	1.0	3.1	3.5	4.4	3.2
Ghana	17.3	19.3	17.6	19.6	41.2	39.4	45.4	43.3
Greece	2.6	2.6	2.4	3.0	15.4	13.2	15.2	16.4
Grenada								
Guatemala	14.5	14.5	15.9	19.1	38.3	40.4	43.6	49.8
Guinea	42.9	46.7	42.6	48.6	71.8	71.2	70.2	73.4
Guinea-Bissau								
Guyana								
Haiti		43.9		46.2		82.5		82.4
Honduras	20.5	23.4	24.6	26.0	49.9	53.6	59.3	61.6
Hungary	1.3	1.6	1.3	2.6	8.7	9.3	11.9	12.0

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	2019–2021	2014–2016	2019–2021	2014–2016	2019–2021	2014–2016	2019–2021
Iceland	1.8	1.2	1.4	1.5	5.3	6.2	7.5	7.0
India								
Indonesia	10.5	19.5	8.1	17.2	24.1	42.4	23.9	42.2
Iran (Islamic Republic of)	9.3	7.5	8.5	6.9	46.8	41.2	45.8	39.4
Iraq								
Ireland	3.7	3.2	2.5	2.1	8.1	6.6	7.4	4.8
Israel	1.2	2.4	0.9	1.4	5.8	8.7	6.2	7.6
Italy	1.5	1.8	1.0	0.7	7.6	5.4	9.1	5.1
Jamaica	21.9	18.8	26.1	25.7	43.2	44.5	50.1	54.1
Japan	0.7	1.5	<0.5	<0.5	3.4	4.8	2.0	2.9
Jordan	10.5	16.6	15.1	14.7	22.8	41.3	31.9	39.0
Kazakhstan		2.7		2.0		13.0		14.0
Kenya	26.5	46.0	31.7	55.0	52.7	72.3	60.2	82.6
Kiribati								
Kuwait	6.1	5.3	3.1	3.7	15.1	12.7	9.1	10.2
Kyrgyzstan		6.6		6.2		26.1		27.8
Lao People's Democratic Republic		6.3		9.1		28.3		32.9
Latvia	<0.5	0.8	0.6	0.7	7.8	7.3	10.8	8.3
Lebanon		9.0		9.4		26.5		27.9
Lesotho		57.6		54.1		89.2		83.6
Liberia	58.7	56.7	63.2	61.1	86.0	86.9	88.8	89.7
Libya	8.8	15.0	13.0	26.2	23.3	32.2	33.1	45.9
Lithuania	2.3	1.4	2.3	1.2	14.0	7.4	15.4	9.1
Luxembourg	1.3	0.6	1.4	<0.5	3.4	2.4	4.4	2.4
Madagascar		8.8		10.9		56.9		62.9
Malawi	57.9	61.9	63.6	68.0	85.0	88.4	86.3	89.8
Malaysia	8.1	8.1	5.3	4.9	18.7	21.0	14.0	15.8
Maldives		2.6		1.7		13.5		13.1
Mali								
Malta	1.0	1.0	1.6	1.8	4.3	4.0	6.2	6.3
Marshall Islands								
Mauritania	11.7	27.8	15.0	24.6	28.7	56.4	32.2	51.5
Mauritius	3.5	6.3	4.7	9.3	10.2	25.2	12.3	27.1
Mexico	6.6	8.3	8.0	11.3	24.7	25.8	27.1	38.1
Micronesia (Federated States of)								
Mongolia	2.8	4.9	3.5	4.5	17.6	23.5	22.6	25.8
Montenegro	1.9	3.9	1.9	2.7	11.3	15.0	12.1	13.4
Morocco	5.3	9.2	6.2	9.8	24.5	30.1	27.2	32.3
Mozambique		40.2		43.6		67.8		70.1
Myanmar								
Namibia	38.0	44.9	43.0	49.2	60.3	66.6	66.2	71.9

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	2019–2021	2014–2016	2019–2021	2014–2016	2019–2021	2014–2016	2019–2021
Nauru								
Nepal	9.9	13.1	9.2	12.0	26.9	36.6	27.8	35.3
Netherlands	1.6	1.4	1.2	1.4	5.1	4.2	5.3	4.3
New Zealand	1.9	3.7	3.3	3.0	7.2	12.4	11.2	12.8
Nicaragua								
Niger								
Nigeria	24.1	31.0	20.4	31.7	57.3	73.5	55.7	77.9
North Macedonia	3.1	5.1	3.3	5.8	12.1	18.9	16.0	20.8
Norway	1.0	1.3	1.3	0.8	4.6	4.6	4.8	4.0
Oman								
Pakistan	3.9	13.5	6.4	22.1	27.4	37.7	37.8	45.0
Palau								
Panama								
Papua New Guinea								
Paraguay	1.6	7.9	1.8	8.8	10.9	33.2	11.5	35.1
Peru	10.4	18.1	15.1	21.3	29.4	44.5	41.7	52.9
Philippines		21.2		19.5		56.9		55.6
Poland	1.7	0.9	1.8	1.1	7.1	5.3	9.8	8.4
Portugal	3.5	3.1	4.1	2.7	11.8	9.7	16.3	12.4
Qatar								
Republic of Korea	1.0	0.9	0.5	0.6	7.4	6.4	6.0	4.3
Republic of Moldova	1.7	4.5	1.7	5.3	18.9	21.1	19.1	28.4
Romania	3.8	3.8	6.0	3.0	15.3	10.9	20.3	14.1
Russian Federation	0.6	4.4	0.7	2.9	7.4	20.1	8.6	19.5
Rwanda								
Saint Kitts and Nevis								
Saint Lucia								
Saint Vincent and the Grenadines								
Samoa								
San Marino								
Sao Tome and Principe		13.9		14.4		53.2		56.3
Saudi Arabia								
Senegal	17.2	25.9	14.7	22.1	46.5	58.7	36.9	46.5
Serbia	1.8	3.4	1.6	3.9	10.7	13.6	11.3	14.0
Seychelles								
Sierra Leone	57.1	70.0	60.0	71.2	81.0	89.0	84.3	90.5
Singapore	0.8	0.7	1.1	0.8	2.4	4.1	2.9	4.9
Slovakia	0.9	1.5	1.1	1.7	5.5	6.7	5.9	8.5
Slovenia	0.9	<0.5	1.0	1.0	10.0	5.3	14.6	9.2
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	2019–2021	2014–2016	2019–2021	2014–2016	2019–2021	2014–2016	2019–2021
Somalia								
South Africa		17.4		22.4		40.7		48.9
South Sudan								
Spain	0.9	1.8	0.9	2.0	5.8	7.3	6.7	9.3
Sri Lanka	6.5	10.8	5.8	9.6	31.5	53.6	25.6	43.6
Sudan								
Suriname		6.1		8.1		31.2		40.3
Sweden	0.9	1.3	0.7	1.2	4.3	4.6	4.8	5.1
Switzerland	1.7	0.6	1.6	<0.5	4.2	2.4	5.1	1.8
Syrian Arab Republic								
Tajikistan								
Thailand	2.7	8.9	5.3	11.5	13.0	29.4	16.5	36.6
Timor-Leste								
Togo	35.7	41.6	29.2	34.0	65.9	68.2	62.1	64.2
Tonga								
Trinidad and Tobago		10.0		10.4		41.7		44.6
Tunisia	8.3	12.3	9.0	12.1	17.6	27.2	17.3	28.0
Türkiye								
Turkmenistan								
Tuvalu								
Uganda	38.9	47.1	35.6	43.0	69.4	79.4	65.7	75.1
Ukraine	1.7	3.2	2.4	2.8	17.1	20.2	22.4	24.6
United Arab Emirates		5.2		3.8		13.2		9.7
United Kingdom of Great Britain and Northern Ireland	0.6	1.0	2.4	1.1	2.4	3.3	7.8	3.4
United Republic of Tanzania	30.3	39.5	35.9	39.3	55.9	68.4	62.7	66.2
United States of America	5.6	5.7	5.4	6.8	15.2	15.5	18.8	19.7
Uruguay	5.7	5.3	6.1	7.6	17.5	17.0	20.6	24.5
Uzbekistan	1.6	5.7	2.2	5.3	9.8	22.4	12.2	23.7
Vanuatu								
Venezuela (Bolivarian Republic of)								
Viet Nam		3.7		5.0		17.4		22.7
Yemen								
Zambia	22.4	32.6	22.4	32.6	51.2	69.5	51.2	69.5
Zimbabwe	32.6	26.9	33.7	30.1	61.9	61.7	63.3	64.7

Source: FAO. 2022. FAOSTAT: Suite of Food Security Indicators. In: FAO. Rome. Cited October 2022.
<https://www.fao.org/faostat/en/#data/FS>

TABLE 42.
AVERAGE DIETARY ENERGY SUPPLY (KCAL PER CAPITA PER DAY)

COUNTRY	2000–2002	2004–2006	2009–2011	2014–2016	2015–2017	2016–2018	2017–2019	2018–2020	2019–2021
World	2 712	2 744	2 840	2 915	2 927	2 942	2 952	2 958	2 963
Africa	2 422	2 481	2 566	2 595	2 590	2 588	2 589	2 589	2 589
Asia	2 561	2 581	2 724	2 841	2 863	2 885	2 900	2 910	2 922
Latin America and the Caribbean	2 823	2 897	2 984	3 030	3 023	3 027	3 036	3 037	3 035
Northern America and Europe	3 425	3 492	3 467	3 478	3 492	3 511	3 526	3 536	3 537
Oceania	2 881	2 924	3 042	3 090	3 088	3 089	3 092	3 106	3 112
Afghanistan	1 761	1 901	2 118	2 247	2 260	2 266	2 268	2 247	2 239
Albania	2 940	2 943	3 198	3 288	3 308	3 314	3 319	3 342	3 378
Algeria	2 938	3 071	3 268	3 428	3 414	3 402	3 411	3 446	3 479
Andorra									
Angola	1 569	1 767	2 247	2 456	2 432	2 433	2 439	2 425	2 401
Antigua and Barbuda									
Argentina	3 147	3 064	3 135	3 265	3 274	3 274	3 293	3 313	3 314
Armenia	2 251	2 690	2 918	3 070	3 071	3 065	3 056	3 029	2 996
Australia	3 085	3 155	3 349	3 413	3 410	3 408	3 404	3 416	3 424
Austria	3 680	3 648	3 736	3 665	3 670	3 681	3 692	3 686	3 672
Azerbaijan	2 371	2 837	3 061	3 089	3 103	3 120	3 145	3 145	3 145
Bahamas									
Bahrain									
Bangladesh	2 383	2 445	2 446	2 497	2 518	2 542	2 569	2 580	2 574
Barbados	2 771	2 804	2 918	2 933	2 930	2 931	2 947	2 982	3 003
Belarus	3 039	3 022	3 186	3 261	3 254	3 258	3 273	3 276	3 279
Belgium	3 727	3 705	3 703	3 788	3 781	3 771	3 780	3 785	3 784
Belize	2 638	2 681	2 681	2 658	2 689	2 706	2 727	2 723	2 703
Benin	2 355	2 509	2 674	2 735	2 741	2 750	2 762	2 795	2 821
Bhutan									
Bolivia (Plurinational State of)	2 108	2 133	2 256	2 393	2 430	2 454	2 473	2 487	2 486
Bosnia and Herzegovina	2 956	3 141	3 103	3 256	3 281	3 298	3 303	3 313	3 318
Botswana	2 251	2 322	2 424	2 560	2 562	2 547	2 554	2 572	2 605
Brazil	2 896	3 085	3 236	3 261	3 244	3 258	3 262	3 254	3 235
Brunei Darussalam	2 859	3 006	2 897	2 839	2 836	2 843	2 843	2 838	2 816
Bulgaria	2 804	2 747	2 774	2 812	2 799	2 838	2 851	2 867	2 875
Burkina Faso	2 355	2 509	2 669	2 747	2 738	2 737	2 736	2 743	2 671
Burundi									
Cabo Verde	2 430	2 601	2 569	2 521	2 519	2 545	2 566	2 591	2 516
Cambodia	2 196	2 341	2 521	2 623	2 631	2 657	2 696	2 737	2 757
Cameroon	2 218	2 357	2 649	2 733	2 733	2 737	2 760	2 783	2 791
Canada	3 513	3 498	3 460	3 442	3 471	3 507	3 522	3 529	3 524
Central African Republic	1 979	1 976	2 131	1 842	1 862	1 900	1 895	1 866	1 829
Chad	1 965	2 010	2 190	2 281	2 288	2 300	2 291	2 271	2 258
Chile	2 890	2 955	2 951	2 999	3 003	3 031	3 054	3 074	3 081
China	2 798	2 849	3 059	3 238	3 269	3 286	3 302	3 316	3 336
Colombia	2 813	2 795	2 731	2 949	2 955	2 956	2 955	2 963	2 968

TABLE 42.
AVERAGE DIETARY ENERGY SUPPLY (KCAL PER CAPITA PER DAY) (CONTINUED)

COUNTRY	2000–2002	2004–2006	2009–2011	2014–2016	2015–2017	2016–2018	2017–2019	2018–2020	2019–2021
Comoros									
Congo	2 214	2 101	2 035	2 196	2 193	2 186	2 189	2 199	2 207
Costa Rica	2 774	2 838	2 860	2 921	2 961	2 997	3 003	2 998	3 000
Côte d'Ivoire	2 565	2 624	2 692	2 780	2 827	2 851	2 887	2 924	2 958
Croatia	2 728	3 005	3 015	3 050	3 079	3 095	3 095	3 123	3 146
Cuba	3 090	3 295	3 285	3 377	3 400	3 405	3 388	3 302	3 202
Cyprus	2 657	2 586	2 900	3 026	3 042	3 043	3 047	3 042	3 026
Czechia	3 151	3 297	3 273	3 185	3 211	3 261	3 276	3 278	3 280
Democratic People's Republic of Korea	2 133	2 167	2 109	2 105	2 093	2 069	2 072	2 066	2 084
Democratic Republic of the Congo	2 167	2 167	2 174	2 145	2 135	2 129	2 133	2 106	2 064
Denmark	3 338	3 398	3 283	3 271	3 297	3 325	3 345	3 349	3 348
Djibouti	2 013	2 221	2 473	2 734	2 756	2 765	2 782	2 788	2 776
Dominica	3 041	2 936	2 990	2 973	2 967	2 951	2 944	2 903	2 877
Dominican Republic	2 308	2 366	2 554	2 783	2 818	2 875	2 920	2 960	2 997
Ecuador	2 223	2 226	2 506	2 597	2 578	2 555	2 544	2 520	2 502
Egypt	3 261	3 189	3 400	3 369	3 355	3 325	3 315	3 302	3 306
El Salvador	2 629	2 580	2 569	2 597	2 622	2 655	2 695	2 712	2 735
Equatorial Guinea									
Eritrea									
Estonia	2 971	3 077	3 228	3 173	3 149	3 156	3 164	3 175	3 169
Eswatini	2 492	2 561	2 338	2 478	2 477	2 502	2 525	2 555	2 564
Ethiopia	1 814	1 938	2 162	2 426	2 462	2 465	2 448	2 422	2 404
Fiji	2 872	2 932	2 814	2 753	2 761	2 770	2 814	2 853	2 874
Finland	3 150	3 201	3 247	3 330	3 336	3 340	3 333	3 326	3 314
France	3 647	3 553	3 535	3 572	3 606	3 603	3 567	3 537	3 515
Gabon	2 678	2 679	2 703	2 731	2 692	2 661	2 643	2 690	2 675
Gambia	2 348	2 265	2 600	2 568	2 548	2 529	2 507	2 403	2 336
Georgia	2 882	3 103	2 926	2 811	2 806	2 819	2 833	2 880	2 901
Germany	3 463	3 536	3 613	3 555	3 555	3 551	3 552	3 553	3 549
Ghana	2 517	2 698	3 008	2 934	2 942	2 992	3 062	3 150	3 261
Greece	3 578	3 543	3 526	3 390	3 368	3 357	3 377	3 391	3 412
Grenada									
Guatemala	2 163	2 299	2 428	2 462	2 497	2 511	2 526	2 554	2 593
Guinea									
Guinea-Bissau									
Guyana	2 748	2 731	2 698	2 812	2 833	2 853	2 898	2 924	2 933
Haiti	1 943	1 918	2 106	2 172	2 160	2 132	2 119	2 101	2 087
Honduras	2 293	2 313	2 545	2 621	2 644	2 666	2 675	2 683	2 686
Hungary	3 114	3 250	3 115	3 194	3 254	3 296	3 343	3 379	3 399
Iceland	3 184	3 358	3 358	3 521	3 582	3 615	3 638	3 647	3 642
India	2 298	2 246	2 393	2 491	2 514	2 552	2 572	2 584	2 594
Indonesia	2 409	2 454	2 637	2 857	2 907	2 948	2 950	2 927	2 909
Iran (Islamic Republic of)	3 054	3 071	3 011	3 098	3 073	3 042	3 024	3 042	3 075

TABLE 42.
AVERAGE DIETARY ENERGY SUPPLY (KCAL PER CAPITA PER DAY) (CONTINUED)

COUNTRY	2000–2002	2004–2006	2009–2011	2014–2016	2015–2017	2016–2018	2017–2019	2018–2020	2019–2021
Iraq	2 263	2 406	2 572	2 558	2 553	2 580	2 616	2 650	2 702
Ireland	3 699	3 531	3 527	3 705	3 765	3 817	3 837	3 815	3 769
Israel	3 660	3 667	3 544	3 534	3 531	3 550	3 563	3 546	3 532
Italy	3 686	3 631	3 654	3 480	3 477	3 471	3 481	3 492	3 509
Jamaica	2 702	2 733	2 688	2 714	2 728	2 735	2 763	2 802	2 831
Japan	2 841	2 786	2 664	2 697	2 694	2 687	2 685	2 653	2 640
Jordan	2 626	2 846	2 810	2 830	2 788	2 709	2 623	2 551	2 530
Kazakhstan	2 809	2 962	3 143	3 161	3 190	3 258	3 312	3 344	3 346
Kenya	2 001	2 067	2 143	2 176	2 159	2 151	2 184	2 198	2 201
Kiribati	2 809	2 828	2 930	3 096	3 092	3 084	3 079	3 119	3 150
Kuwait	3 261	3 591	3 474	3 457	3 450	3 443	3 446	3 420	3 371
Kyrgyzstan	2 459	2 700	2 714	2 694	2 693	2 699	2 721	2 728	2 728
Lao People's Democratic Republic	2 138	2 257	2 416	2 690	2 733	2 754	2 772	2 773	2 772
Latvia	2 877	3 109	3 112	3 202	3 204	3 222	3 232	3 256	3 288
Lebanon	2 768	2 669	2 996	2 935	2 913	2 887	2 871	2 864	2 871
Lesotho	2 289	2 475	2 579	2 180	2 153	2 196	2 210	2 188	2 147
Liberia	2 106	2 157	2 208	2 186	2 192	2 190	2 171	2 137	2 158
Libya									
Lithuania	3 222	3 371	3 316	3 389	3 401	3 411	3 415	3 426	3 455
Luxembourg	3 482	3 500	3 519	3 477	3 467	3 468	3 484	3 477	3 452
Madagascar	1 978	2 036	2 093	1 931	1 914	1 906	1 884	1 848	1 837
Malawi	2 240	2 262	2 516	2 597	2 613	2 611	2 620	2 637	2 670
Malaysia	2 836	2 826	2 855	2 842	2 857	2 872	2 905	2 919	2 922
Maldives									
Mali	2 327	2 423	2 783	2 848	2 861	2 875	2 894	2 905	2 873
Malta	3 446	3 456	3 462	3 408	3 417	3 400	3 397	3 373	3 364
Marshall Islands									
Mauritania	2 717	2 714	2 828	2 870	2 860	2 865	2 873	2 866	2 837
Mauritius	2 933	2 995	3 104	3 029	3 028	3 026	3 035	3 020	3 006
Mexico	3 229	3 219	3 128	3 153	3 162	3 169	3 181	3 183	3 185
Micronesia (Federated States of)									
Mongolia	2 207	2 257	2 500	2 702	2 727	2 772	2 808	2 895	2 951
Montenegro	2 624	2 890	3 461	3 423	3 463	3 491	3 507	3 420	3 361
Morocco	3 099	3 211	3 284	3 400	3 390	3 398	3 379	3 379	3 365
Mozambique									
Myanmar	2 025	2 200	2 597	2 771	2 796	2 818	2 847	2 864	2 879
Namibia	2 374	2 349	2 197	2 414	2 447	2 464	2 473	2 526	2 569
Nauru									
Nepal	2 206	2 343	2 554	2 805	2 855	2 882	2 884	2 883	2 905
Netherlands	3 242	3 201	3 197	3 230	3 250	3 274	3 312	3 337	3 345
New Zealand	3 136	3 162	3 141	3 151	3 155	3 174	3 200	3 231	3 234
Nicaragua	2 256	2 398	2 512	2 557	2 595	2 627	2 629	2 638	2 659
Niger									

TABLE 42.
AVERAGE DIETARY ENERGY SUPPLY (KCAL PER CAPITA PER DAY) (CONTINUED)

COUNTRY	2000–2002	2004–2006	2009–2011	2014–2016	2015–2017	2016–2018	2017–2019	2018–2020	2019–2021
Nigeria	2 621	2 709	2 656	2 621	2 613	2 598	2 593	2 587	2 603
North Macedonia	2 729	2 867	2 999	2 993	3 011	3 028	3 052	3 069	3 078
Norway	3 412	3 475	3 484	3 431	3 401	3 398	3 413	3 447	3 465
Oman	2 573	2 718	2 901	2 939	2 922	2 923	2 943	2 905	2 861
Pakistan	2 334	2 325	2 378	2 440	2 452	2 459	2 455	2 462	2 467
Palau									
Panama	2 268	2 335	2 642	2 772	2 801	2 880	2 938	2 980	2 971
Papua New Guinea	2 121	2 111	2 147	2 224	2 224	2 230	2 243	2 260	2 268
Paraguay	2 652	2 661	2 688	2 744	2 738	2 746	2 763	2 771	2 770
Peru	2 304	2 366	2 598	2 758	2 763	2 770	2 794	2 819	2 834
Philippines	2 374	2 468	2 536	2 572	2 619	2 672	2 748	2 810	2 861
Poland	3 404	3 352	3 437	3 412	3 441	3 498	3 517	3 520	3 511
Portugal	3 542	3 529	3 480	3 396	3 407	3 411	3 437	3 456	3 465
Qatar									
Republic of Korea	2 987	2 998	3 251	3 348	3 369	3 391	3 412	3 407	3 387
Republic of Moldova									
Romania	3 280	3 504	3 572	3 472	3 517	3 553	3 574	3 595	3 610
Russian Federation	2 958	3 194	3 304	3 352	3 352	3 353	3 361	3 361	3 365
Rwanda	2 080	2 152	2 244	2 194	2 207	2 216	2 224	2 225	2 230
Saint Kitts and Nevis									
Saint Lucia									
Saint Vincent and the Grenadines	2 544	2 774	2 917	2 936	2 946	2 957	2 972	2 916	2 865
Samoa	2 812	2 882	2 891	2 989	3 010	3 029	3 055	3 074	3 082
San Marino									
Sao Tome and Principe	2 362	2 495	2 371	2 384	2 391	2 404	2 402	2 402	2 395
Saudi Arabia	3 030	3 102	3 059	3 292	3 300	3 306	3 302	3 303	3 302
Senegal	2 178	2 302	2 468	2 485	2 529	2 568	2 608	2 666	2 695
Serbia	2 855	2 943	2 939	2 803	2 807	2 819	2 837	2 873	2 936
Seychelles									
Sierra Leone	1 817	1 893	2 218	2 307	2 323	2 312	2 317	2 320	2 327
Singapore									
Slovakia	2 781	2 826	2 850	2 791	2 803	2 857	2 884	2 901	2 912
Slovenia	3 067	3 124	3 189	3 175	3 171	3 177	3 173	3 159	3 149
Solomon Islands	2 351	2 426	2 462	2 382	2 392	2 402	2 407	2 404	2 399
Somalia									
South Africa	2 897	2 960	2 964	2 915	2 905	2 902	2 891	2 875	2 860
South Sudan									
Spain	3 305	3 184	3 141	3 210	3 257	3 306	3 331	3 346	3 347
Sri Lanka	2 350	2 406	2 510	2 670	2 697	2 724	2 754	2 799	2 833
Sudan	2 284	2 348	2 411	2 587	2 571	2 575	2 583	2 601	2 586
Suriname	2 518	2 600	2 723	2 726	2 706	2 708	2 724	2 725	2 720
Sweden	3 115	3 117	3 142	3 190	3 189	3 187	3 185	3 174	3 164
Switzerland	3 429	3 420	3 477	3 393	3 383	3 376	3 381	3 385	3 391
Syrian Arab Republic									

TABLE 42.
AVERAGE DIETARY ENERGY SUPPLY (KCAL PER CAPITA PER DAY) (CONTINUED)

COUNTRY	2000–2002	2004–2006	2009–2011	2014–2016	2015–2017	2016–2018	2017–2019	2018–2020	2019–2021
Tajikistan	1 945	2 038	2 254	2 474	2 546	2 619	2 697	2 751	2 781
Thailand	2 585	2 726	2 741	2 779	2 775	2 775	2 788	2 816	2 830
Timor-Leste	1 898	2 034	2 072	2 251	2 265	2 262	2 253	2 257	2 234
Togo	2 131	2 226	2 397	2 417	2 401	2 408	2 424	2 460	2 519
Tonga									
Trinidad and Tobago	2 800	2 778	2 912	2 978	2 977	2 973	2 969	2 951	2 939
Tunisia	3 186	3 228	3 347	3 446	3 454	3 466	3 482	3 495	3 497
Türkiye	3 624	3 614	3 644	3 690	3 716	3 724	3 738	3 745	3 755
Turkmenistan	2 632	2 822	2 851	2 894	2 887	2 880	2 881	2 882	2 883
Tuvalu									
Uganda									
Ukraine	2 989	3 232	3 174	3 110	3 082	3 058	3 039	3 030	3 036
United Arab Emirates	3 145	2 932	3 011	3 058	3 064	3 057	3 068	3 075	3 091
United Kingdom of Great Britain and Northern Ireland	3 409	3 452	3 357	3 381	3 387	3 374	3 381	3 364	3 345
United Republic of Tanzania	2 079	2 145	2 218	2 356	2 366	2 369	2 370	2 377	2 412
United States of America	3 787	3 847	3 686	3 737	3 757	3 800	3 834	3 863	3 864
Uruguay	2 840	2 823	3 061	3 138	3 138	3 165	3 188	3 187	3 182
Uzbekistan	2 312	2 435	2 850	3 240	3 231	3 225	3 225	3 250	3 270
Vanuatu	2 689	2 776	2 855	2 680	2 646	2 611	2 608	2 624	2 654
Venezuela (Bolivarian Republic of)	2 413	2 526	2 900	2 565	2 405	2 278	2 272	2 249	2 295
Viet Nam	2 328	2 509	2 718	2 847	2 864	2 892	2 918	2 954	2 991
Yemen	2 093	2 097	2 200	2 039	1 985	1 978	2 022	2 065	2 099
Zambia									
Zimbabwe									

Source: FAO. 2022. FAOSTAT: Suite of Food Security Indicators. In: FAO. Rome. Cited October 2022.
<https://www.fao.org/faostat/en/#data/FS>

TABLE 43.
CEREAL IMPORT DEPENDENCY RATIO (PERCENT)

COUNTRY	2000–2002	2004–2006	2009–2011	2012–2014	2013–2015	2014–2016	2015–2017	2016–2018	2017–2019
World	-0.5	-0.6	0.0	-2.6	-1.6	-1.8	-1.9	-1.9	-1.3
Africa	28.2	26.4	28.5	30.0	30.2	32.2	31.8	31.0	29.6
Asia	7.9	8.3	9.4	6.7	6.7	7.5	8.0	8.2	8.3
Latin America and the Caribbean	12.1	10.0	2.5	-18.5	-4.1	-5.4	-8.2	-6.0	-7.2
Northern America and Europe	-18.5	-19.0	-22.0	-22.1	-22.9	-26.3	-27.3	-28.8	-27.4
Oceania	-166.4	-143.7	-139.8	-207.2	-178.9	-158.5	-139.3	-131.7	-93.3
Afghanistan	34.2	19.2	29.0	21.0	23.2	27.0	34.2	41.3	41.4
Albania	47.0	50.9	40.3	38.3	38.3	38.2	37.6	37.3	38.2
Algeria	79.7	70.5	70.0	70.2	72.9	76.6	77.4	74.3	70.1
Andorra									
Angola	57.1	61.8	52.1	63.7	48.6	46.4	43.6	41.8	41.5
Antigua and Barbuda	94.5	100.0	90.1	-36.9	94.9	100.0	100.0	98.8	94.7
Argentina	-172.3	-172.4	-163.5	-371.2	-91.4	-140.5	-152.3	-167.5	-128.5
Armenia	61.6	55.2	57.7	45.9	41.3	39.9	47.3	53.2	66.0
Australia	-194.9	-164.8	-161.4	-267.8	-234.3	-209.7	-189.9	-181.3	-134.5
Austria	-6.4	-4.6	6.1	10.1	13.9	12.6	14.5	14.9	16.5
Azerbaijan	29.0	38.2	40.1	38.3	37.2	35.3	32.9	30.5	30.2
Bahamas	100.0	96.7	98.8	94.7	95.6	95.5	97.5	98.3	100.0
Bahrain									
Bangladesh	9.3	9.8	9.1	6.1	7.9	9.5	12.0	12.9	12.3
Barbados	100.0	100.0	96.5	100.0	100.0	100.0	100.0	100.0	100.0
Belarus	20.0	10.9	1.7	2.8	1.5	-0.9	-0.5	3.2	9.3
Belgium	56.5	46.4	56.6	60.6	60.5	63.1	65.2	68.2	66.6
Belize	34.6	32.5	17.3	9.5	15.0	18.4	17.5	16.7	18.1
Benin	13.0	31.9	30.5	43.5	46.2	51.8	51.8	49.3	46.0
Bhutan									
Bolivia (Plurinational State of)	28.9	20.8	18.4	15.0	13.0	15.7	18.1	20.0	18.6
Bosnia and Herzegovina	36.3	35.1	35.1	38.1	36.7	35.0	34.9	30.7	30.6
Botswana	90.9	69.8	76.4	76.5	76.6	78.6	86.4	89.3	90.7
Brazil	13.1	5.7	-3.0	-17.8	-22.8	-20.7	-22.5	-17.5	-26.0
Brunei Darussalam	100.0	98.1							
Bulgaria	-22.1	-34.3	-80.4	-174.3	-174.4	-192.4	-189.5	-195.1	-157.3
Burkina Faso	9.0	7.4	7.8	8.0	8.4	9.0	10.4	10.9	9.2
Burundi						22.5	23.9	25.6	25.7
Cabo Verde	77.2	78.0	100.0	97.0	99.2	100.0	98.0	98.6	100.0
Cambodia	3.9	1.8	-1.9	-3.4	-5.1	-6.1	-7.0	-7.0	-6.6
Cameroon	31.2	30.9	27.6	31.0	31.0	29.1	29.4	28.9	30.7
Canada	-55.9	-62.2	-82.8	-85.8	-97.4	-101.4	-84.0	-79.5	-84.1
Central African Republic	19.4	18.6	20.9				24.9		
Chad	5.0	6.4	9.6				5.5	4.6	4.0
Chile	35.1	31.6	36.4	40.0	39.3	40.3	41.4	42.9	46.9
China	-0.6	1.6	1.9	3.5	4.2	4.5	4.8	4.2	3.8
Colombia	54.5	55.4	61.0	60.9	63.7	63.1	61.7	61.2	62.9

TABLE 43.
CEREAL IMPORT DEPENDENCY RATIO (PERCENT) (CONTINUED)

COUNTRY	2000–2002	2004–2006	2009–2011	2012–2014	2013–2015	2014–2016	2015–2017	2016–2018	2017–2019
Comoros				63.2				73.2	
Congo	100.0	89.5	91.1	100.0	98.6	87.8	87.2	92.2	94.8
Costa Rica	80.6	85.5	78.3	80.7	83.4	85.5	85.7	85.8	86.9
Côte d'Ivoire	48.5	51.7	68.3	45.2	40.1	39.6	39.5	41.4	42.1
Croatia	-4.7	3.0	-12.9	-13.1	-15.4	-18.7	-26.0	-26.9	-31.1
Cuba	71.9	73.3	72.4	67.0	70.6	73.0			
Cyprus	100.0	100.0	95.0	86.9	92.7	98.9	96.1	99.6	98.1
Czechia	-10.1	-26.2	-40.6	-51.2	-50.3	-62.1	-78.4	-71.2	-55.7
Democratic People's Republic of Korea	45.8	27.2	12.2	15.0	17.0	18.2	18.8	19.0	18.3
Democratic Republic of the Congo				18.8	18.5	17.4	17.7	17.7	19.1
Denmark	-14.3	-2.2	-16.3	-11.6	-14.3	-16.7	-17.5	-13.0	-9.3
Djibouti	100.0	100.0	100.0	98.3	98.8	99.5	100.0	100.0	97.9
Dominica	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Dominican Republic	77.9	77.7	67.1	69.7	67.1	66.3	66.1	66.1	64.8
Ecuador	30.5	33.7	32.5	25.3	23.2	25.6	30.2	34.2	36.3
Egypt	34.8	30.3	42.6	39.7	41.9	43.3	44.2	47.9	47.8
El Salvador	46.6	45.6	41.9	37.4	41.1	44.5	46.2	47.8	51.9
Equatorial Guinea									
Eritrea									
Estonia	25.0	4.6	-20.3	-48.5	-60.7	-306.8	-341.8	-343.2	-130.0
Eswatini	59.5	68.0	68.2	59.1	57.9	67.4	71.5	69.1	61.0
Ethiopia	10.2	6.1	10.8	5.4	6.0	8.2	8.3	8.3	7.3
Fiji	100.0	89.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Finland	-11.8	-11.5	-33.2	-18.7	-21.9	-26.1	-23.5	-16.9	-12.1
France	-82.9	-81.0	-102.7	-74.8	-87.3	-123.4	-115.0	-116.7	-71.2
Gabon	94.1	78.2	86.6	88.1	86.5	88.5	89.1	90.7	93.3
Gambia	40.2	39.4	45.5	49.0	50.9	55.9	59.5	65.4	72.6
Georgia	59.3	76.6	69.1	61.1	61.0	61.3	63.7	63.2	64.2
Germany	-24.2	-14.6	-9.0	-9.0	-11.5	-12.1	-12.1	-6.7	-1.0
Ghana	26.1	38.6	26.4	28.4	31.0	32.0	34.5	34.7	34.0
Greece	20.2	23.0	15.3	15.4	18.5	20.3	25.3	28.7	32.8
Grenada	88.2	86.4	97.0	100.0	100.0	93.4	96.8	100.0	100.0
Guatemala	44.0	50.2	42.5	42.8	43.8	45.7	46.9	47.8	50.3
Guinea	21.4	14.9	15.1	21.9	23.8	26.7	26.3	27.8	25.9
Guinea-Bissau	41.7	39.6	28.5	29.9					
Guyana	-59.4	-64.8	-28.2	100.0	100.0	100.0	-63.3	-56.6	-54.4
Haiti	58.0	65.2	54.3	57.3	56.1	61.3	65.2	71.8	73.6
Honduras	45.7	57.3	57.6	59.5	58.2	58.9	58.1	57.6	58.8
Hungary	-35.8	-42.4	-92.8	-113.0	-63.7	-64.3	-100.3	-82.1	-84.5
Iceland				98.9	97.6	94.1	91.3	88.9	85.9
India	-3.2	-2.3	-3.1	-10.3	-9.6	-7.3	-5.5	-5.2	-5.2
Indonesia	12.8	11.7	11.3	12.6	13.1	14.2	13.6	13.7	13.1
Iran (Islamic Republic of)	37.4	18.1	34.7	41.3	39.9	37.0	36.1	36.8	37.5

TABLE 43.
CEREAL IMPORT DEPENDENCY RATIO (PERCENT) (CONTINUED)

COUNTRY	2000–2002	2004–2006	2009–2011	2012–2014	2013–2015	2014–2016	2015–2017	2016–2018	2017–2019
Iraq	75.2	58.1	56.0					61.8	57.0
Ireland	20.3	25.4	32.0	34.6	33.6	34.7	37.5	47.1	50.5
Israel	92.5	93.5	93.6	90.2	92.7	92.2	93.6	94.2	98.1
Italy	19.6	21.6	25.2	27.9	29.7	30.8	32.8	35.5	38.1
Jamaica	100.0	100.0	100.0	100.0	100.0	100.0	99.0	99.4	99.6
Japan	77.0	78.2	71.7	69.5	69.4	68.9	69.5	70.5	69.5
Jordan	94.2	96.6	93.4	100.0	99.8	95.0	97.3	99.9	100.0
Kazakhstan	-56.0	-43.7	100.0	36.1	-55.5	-49.2	-47.4	-71.4	-88.1
Kenya	23.9	21.5	38.9	34.6	37.0	42.7	46.2	46.1	43.1
Kiribati									
Kuwait	100.0	100.0	97.5	93.8	97.9	98.0	100.0	98.7	96.2
Kyrgyzstan	9.0	14.9	24.1	31.6	25.4	21.2	17.7	16.2	17.5
Lao People's Democratic Republic	2.5	-0.5	-4.1	-2.8	-3.1	-2.2	-3.0	-3.1	-3.3
Latvia	1.7	-17.6	-103.1	-146.9	-138.0	-192.5	-197.3	-167.5	-192.7
Lebanon	88.0	82.6	94.3	100.0	92.0	96.4	99.0	97.3	93.5
Lesotho	47.8	41.3	76.1	80.4	76.4	82.4	75.0	74.0	84.7
Liberia	65.2	86.0	55.4	52.3	51.2	48.4	51.4	55.6	61.4
Libya				90.4	90.4	90.1	88.9	86.7	93.9
Lithuania	-4.8	-32.3	-89.5	-105.6	-115.6	-181.5	-217.1	-223.8	-189.3
Luxembourg	6.1	-2.9	13.7	20.5	16.8	12.3	12.1	11.7	9.8
Madagascar	11.3	11.6	7.3	12.7	14.4	13.8	17.0	19.8	21.2
Malawi	10.1	6.9	1.7	4.1	6.7	11.3	11.8	10.2	5.3
Malaysia	80.2	86.3	70.3	75.7	74.6	73.9	70.6	71.7	71.5
Maldives	100.0	100.0	100.0						
Mali	8.6	9.6	4.8	6.6	4.8	5.0	5.7	5.4	4.8
Malta	100.0	82.4	89.8	89.9	85.2	87.1	84.7	86.7	88.9
Marshall Islands									
Mauritania	64.7	64.4	79.3	55.5	56.4	58.2			
Mauritius	99.4	96.2	100.0	100.0	100.0	100.0	93.7	95.2	90.0
Mexico	35.4	35.8	30.8	29.8	29.6	29.8	31.4	33.1	35.7
Micronesia (Federated States of)									
Mongolia	69.1	68.0	35.2	17.8	31.3	34.7	44.1	35.1	32.3
Montenegro			93.8	91.3	91.8	93.5	92.3	90.2	87.7
Morocco	52.1	39.1	36.8	47.7	36.4	59.6	54.0	56.8	48.9
Mozambique	28.1	42.2	29.8	47.2	54.3	53.0	55.8	48.2	44.4
Myanmar	-5.4	-1.5	-0.9	-4.1	-6.5	-5.7	-5.5	-4.9	-9.7
Namibia	56.3	58.0	72.1	65.8	69.2	70.0	69.8	69.3	75.2
Nauru									
Nepal	1.6	1.9	4.0	9.9	11.6	13.5	14.2	14.7	13.4
Netherlands	72.1	77.2	82.6	83.2	82.9	83.9	84.3	85.6	85.2
New Zealand	31.1	38.2	27.7	37.1	39.8	40.2	41.6	43.3	45.9
Nicaragua	27.4	29.2	30.2	41.1	45.8	38.8	39.2	38.7	38.9
Niger	9.4	9.9	7.3	11.6	11.9	9.2	6.4	5.4	6.6

TABLE 43.
CEREAL IMPORT DEPENDENCY RATIO (PERCENT) (CONTINUED)

COUNTRY	2000–2002	2004–2006	2009–2011	2012–2014	2013–2015	2014–2016	2015–2017	2016–2018	2017–2019
Nigeria	15.2	16.1	21.8	24.2	22.9	18.2	17.4	16.2	16.5
North Macedonia	28.0	22.2	24.9	26.6	26.0	25.9	30.2	26.6	27.4
Norway	28.8	27.9	38.9	45.9	41.6	36.3	33.0	42.1	43.6
Oman	100.0	90.2	87.1	94.7	96.2	93.3	93.0	93.4	85.2
Pakistan	-9.2	-9.4	-18.9	-19.0	-18.3	-18.0	-17.3	-18.1	-20.2
Palau									
Panama	63.6	64.4	64.7	66.0	67.7	70.0	71.1	68.8	66.8
Papua New Guinea				100.0	100.0	80.7	77.8	90.6	96.0
Paraguay	-18.1	-125.4	-134.2	100.0	-231.6	-217.0	-116.2	-63.4	-70.9
Peru	44.7	48.0	46.0	45.3	46.7	49.2	51.3	52.7	54.1
Philippines	25.5	21.7	20.7	15.7	16.8	19.5	21.3	23.9	27.2
Poland	4.8	0.2	-2.3	-9.9	-16.3	-19.3	-18.1	-15.0	-12.5
Portugal	67.7	77.0	77.0	72.4	71.5	71.3	72.1	74.3	75.8
Qatar									
Republic of Korea	73.4	74.6	72.2	72.9	72.1	72.3	72.1	73.1	74.3
Republic of Moldova	-9.7	-10.2	-13.7	-22.8	-35.7	-43.9	-44.2	-47.4	-50.6
Romania	0.6	-0.8	-22.9	-56.0	-68.1	-68.5	-59.1	-44.1	-40.7
Russian Federation	-3.5	-10.2	-28.7	-38.4	-34.5	-39.2	-42.3	-68.1	-72.6
Rwanda	20.1	21.4	26.7	20.9	24.1	30.4	35.2	36.8	34.5
Saint Kitts and Nevis									
Saint Lucia	100.0	100.0	100.0	97.5	96.3	96.4	98.8	100.0	100.0
Saint Vincent and the Grenadines	100.0	82.8	100.0	81.7	91.5	97.0	100.0	100.0	96.6
Samoa				93.8	100.0				93.1
San Marino									
Sao Tome and Principe				93.1	88.2	84.9			
Saudi Arabia	73.0	74.5	85.7	89.1	88.5	88.0	89.0	95.2	93.8
Senegal	53.1	54.7	51.7	59.4	56.6	54.0	47.8	46.5	42.7
Serbia			-32.8	-45.3	-43.3	-45.2	-54.7	-45.9	-50.9
Seychelles							100.0	98.5	95.6
Sierra Leone	36.2	21.9	18.9	24.7	31.3	35.7	40.5	39.5	39.8
Singapore									
Slovakia	-4.3	-34.2	-29.3	-33.9	-57.5	-67.1	-107.9	-85.5	-74.2
Slovenia	41.0	46.9	35.3	34.7	34.6	28.7	28.5	29.3	28.2
Solomon Islands	85.7	96.1	99.7						
Somalia									
South Africa	6.7	10.2	4.6	5.3	5.3	16.9	17.9	15.2	9.2
South Sudan									
Spain	26.6	36.3	33.6	32.8	32.5	34.8	38.6	38.1	42.0
Sri Lanka	36.7	37.2	21.3	21.8	22.4	23.0	29.6	32.0	34.0
Sudan				34.6	28.9	27.2	29.3	22.8	25.0
Suriname	8.1	21.6	-7.3	-29.6	-16.6	-17.2	-11.5	-17.5	-17.3
Sweden	-24.2	-22.8	-15.7	-17.5	-23.8	-33.1	-30.8	-24.6	-14.1
Switzerland	38.6	40.8	50.6	52.8	53.8	56.0	56.4	56.4	53.9
Syrian Arab Republic				37.3	36.5	35.0	28.7	42.7	36.5

TABLE 43.
CEREAL IMPORT DEPENDENCY RATIO (PERCENT) (CONTINUED)

COUNTRY	2000–2002	2004–2006	2009–2011	2012–2014	2013–2015	2014–2016	2015–2017	2016–2018	2017–2019
Tajikistan	35.9	44.2	43.3	44.9	43.9	45.6	45.5	47.6	48.1
Thailand	-39.9	-46.0	-44.6	-43.7	-56.7	-63.1	-58.0	-62.2	-57.1
Timor-Leste	33.2	24.9	13.1	21.4	23.0	25.3	28.6	37.2	42.4
Togo	14.1	18.3	14.3	15.4	16.6	17.4	18.7	19.5	19.5
Tonga									
Trinidad and Tobago	94.6	97.1	98.8	91.3	95.8	100.0	100.0	100.0	100.0
Tunisia	70.1	55.8	55.2	58.9	67.5	66.8	71.5	70.1	63.1
Türkiye	1.1	-4.8	0.7	4.9	4.9	2.1		0.8	7.7
Turkmenistan				10.3	9.4	8.0	6.7	12.3	15.7
Tuvalu									
Uganda	5.9	15.8	8.1	7.8	5.1	5.1	5.1	5.4	6.0
Ukraine	-23.5	-38.0	-65.5	-112.6	-116.4	-156.2	-206.4	-201.2	-241.9
United Arab Emirates	100.0	100.0	94.0	99.0	97.6	94.3	92.9	97.9	99.9
United Kingdom of Great Britain and Northern Ireland	-2.8	-1.6	-3.3	11.9	9.8	2.7	3.8	8.5	12.2
United Republic of Tanzania	9.4	12.6	11.2	6.7	6.3	6.0	6.6	3.6	4.2
United States of America	-31.6	-30.6	-24.7	-17.3	-17.6	-19.8	-20.8	-22.8	-23.0
Uruguay	-81.3	-94.0	-376.8	-423.9	-262.7	-123.8	-105.1	-109.9	-95.8
Uzbekistan	13.2	5.8	17.7	19.6	19.1	19.8	20.2	25.0	26.4
Vanuatu	96.4	97.1	93.0	95.6	96.0	96.1	92.8	87.2	93.9
Venezuela (Bolivarian Republic of)	49.6	37.7	52.1	53.9	56.9	60.6	65.9	62.4	60.9
Viet Nam	-12.0	-13.1	-17.1	-14.2	-6.9	1.5	5.2	8.4	8.6
Yemen	80.5	84.4	86.5	79.6	84.6	88.8	94.3	96.3	96.3
Zambia	9.0	8.9	-6.7	-14.4	-19.2	-23.7	-23.9	-9.8	-2.8
Zimbabwe	11.7	28.7	49.6	40.2	45.5	52.5	47.6	35.0	24.6

Source: FAO. 2022. FAOSTAT: Suite of Food Security Indicators. In: FAO. Rome. Cited October 2022.
<https://www.fao.org/faostat/en/#data/FS>

TABLE 44.
DIETARY ENERGY SUPPLY BY COMMODITY GROUP, 2020 (KCAL PER CAPITA PER DAY)

COUNTRY	CEREALS	FATS AND OILS	MEAT	SUGAR	ROOTS, TUBERS AND PULSES	FRUIT AND VEGETABLES	DAIRY AND EGGS (EXCL BUTTER)	BEVERAGES AND OTHER	FISH AND SEAFOOD
World	1 317	438	240	234	226	201	189	99	39
Africa	1 242	310	86	150	510	161	70	56	19
Americas	986	640	436	463	184	182	308	144	25
Asia	1 465	391	221	186	163	217	162	80	47
Europe	1 013	670	357	357	161	194	401	228	47
Oceania	751	600	433	360	238	214	279	194	41
Afghanistan	1 558	200	56	150	61	100	97	17	1
Albania	1 061	349	234	219	136	510	651	125	15
Algeria	1 621	600	93	294	184	373	275	38	8
Andorra									
Angola	770	339	126	136	792	115	12	74	24
Antigua and Barbuda	833	289	403	241	41	187	178	163	87
Argentina	1 079	464	645	444	148	127	294	129	11
Armenia	1 326	350	311	321	139	298	369	90	11
Australia	739	693	524	421	156	170	415	265	40
Austria	863	1 135	341	361	119	204	369	276	30
Azerbaijan	1 691	354	211	238	155	235	298	228	4
Bahamas	703	349	460	310	34	215	209	204	44
Bahrain	1 106	710	390	483	106	233	249	181	25
Bangladesh	1 862	201	21	81	186	80	56	42	48
Barbados	897	448	349	542	142	150	205	182	92
Belarus	869	586	443	248	322	209	339	274	21
Belgium	772	1 091	267	484	216	220	514	209	44
Belize	970	524	268	373	172	115	165	159	21
Benin	1 092	407	56	106	866	86	25	184	27
Bhutan	1 893	258	90	137	191	109	250	347	14
Bolivia (Plurinational State of)	1 000	199	373	282	277	158	98	94	6
Bosnia and Herzegovina	1 329	275	236	214	236	314	325	404	15
Botswana	1 257	343	107	257	154	83	238	149	6
Brazil	912	718	488	422	233	147	312	97	13
Brunei Darussalam									
Bulgaria	934	737	256	283	69	138	286	175	16
Burkina Faso	1 545	295	216	50	341	112	49	117	18
Burundi	308	68	18	42	1 076	154	13	60	5
Cabo Verde	1 286	346	155	201	196	109	177	126	17
Cambodia	1 649	183	97	346	285	38	14	66	91
Cameroon	1 122	363	54	117	646	288	25	148	31
Canada	934	945	359	410	196	210	307	185	35
Central African Republic	277	349	194	84	758	91	26	22	14
Chad	1 253	376	239	92	202	17	46	6	18
Chile	1 172	374	438	424	161	180	224	155	26
China	1 522	404	478	88	168	356	143	106	70
Colombia	898	434	271	527	252	244	236	78	18

TABLE 44.
DIETARY ENERGY SUPPLY BY COMMODITY GROUP, 2019 (KCAL PER CAPITA PER DAY) (CONTINUED)

COUNTRY	CEREALS	FATS AND OILS	MEAT	SUGAR	ROOTS, TUBERS AND PULSES	FRUIT AND VEGETABLES	DAIRY AND EGGS (EXCL BUTTER)	BEVERAGES AND OTHER	FISH AND SEAFOOD
Comoros	1 033	426	115	132	423	106	45	11	32
Congo	487	361	163	122	832	112	16	80	46
Costa Rica	1 002	562	208	482	125	131	365	114	43
Côte d'Ivoire	1 131	320	56	106	1006	204	17	88	49
Croatia	880	498	353	432	88	257	343	272	37
Cuba	1 261	326	360	489	396	240	160	94	12
Cyprus	1 147	504	320	223	60	153	402	231	46
Czechia	725	862	328	335	139	159	366	395	21
Democratic People's Republic of Korea	1 315	219	80	45	168	147	23	64	16
Democratic Republic of the Congo	343	159	17	33	1345	144	1	18	8
Denmark	794	634	304	494	135	184	534	297	75
Djibouti	1 481	376	86	379	217	104	84	70	7
Dominica	625	333	310	402	392	433	230	143	61
Dominican Republic	715	548	196	387	191	555	234	139	16
Ecuador	1 092	494	216	249	74	104	183	63	14
Egypt	2 122	285	103	301	104	266	79	19	48
El Salvador	1 361	235	158	242	239	162	218	56	14
Equatorial Guinea									
Eritrea									
Estonia	591	549	324	317	177	172	619	404	22
Eswatini	1 330	261	140	347	187	85	92	129	9
Ethiopia	1 710	95	46	63	308	34	69	79	1
Fiji	1 144	468	196	350	417	115	90	73	56
Finland	894	471	476	343	153	168	535	260	62
France	1 050	680	435	345	106	186	461	213	62
Gabon	924	271	280	172	423	312	52	124	53
Gambia	1 446	392	59	414	25	23	88	31	46
Georgia	1 531	292	156	371	88	107	301	177	20
Germany	794	845	327	445	130	201	530	318	37
Ghana	886	281	61	139	1295	400	17	68	54
Greece	811	842	290	332	118	287	430	189	38
Grenada	531	450	287	374	97	256	268	200	71
Guatemala	1 190	272	161	512	142	155	120	57	6
Guinea	1 250	510	70	142	603	226	37	13	18
Guinea-Bissau	1 358	311	100	43	177	97	52	99	3
Guyana	1 119	214	261	284	204	578	207	266	41
Haiti	1 041	207	104	235	203	128	44	120	10
Honduras	1 169	512	158	436	130	86	122	64	5
Hungary	863	815	407	449	83	168	321	233	14
Iceland	780	532	575	371	70	201	663	282	187
India	1 401	372	19	219	196	144	178	56	15
Indonesia	1 607	440	74	262	210	137	83	27	85
Iran (Islamic Republic of)	1 545	400	168	325	136	298	105	86	25

TABLE 44.
DIETARY ENERGY SUPPLY BY COMMODITY GROUP, 2019 (KCAL PER CAPITA PER DAY) (CONTINUED)

COUNTRY	CEREALS	FATS AND OILS	MEAT	SUGAR	ROOTS, TUBERS AND PULSES	FRUIT AND VEGETABLES	DAIRY AND EGGS (EXCL BUTTER)	BEVERAGES AND OTHER	FISH AND SEAFOOD
Iraq	1 634	381	52	203	97	182	78	54	7
Ireland	977	718	395	427	128	211	560	389	53
Israel	1 156	724	422	369	102	297	328	170	43
Italy	1 076	848	311	335	144	220	365	207	57
Jamaica	864	391	231	414	232	208	162	139	48
Japan	1 028	516	217	263	68	120	200	137	128
Jordan	937	546	168	381	101	129	137	61	11
Kazakhstan	965	575	379	278	255	253	515	188	5
Kenya	1 071	228	58	219	297	136	153	26	5
Kiribati	1 126	882	197	495	34	129	27	35	152
Kuwait	1 425	424	332	346	126	351	278	148	27
Kyrgyzstan	1 237	159	197	162	224	187	391	137	2
Lao People's Democratic Republic	1 610	192	210	155	133	295	17	112	46
Latvia	850	664	323	349	154	159	393	279	56
Lebanon	1 116	495	138	433	241	175	148	97	16
Lesotho	1 255	177	96	131	140	37	108	70	8
Liberia	1 087	288	108	81	395	86	13	47	6
Libya	1 459	520	171	322	72	250	208	101	31
Lithuania	1 110	417	445	376	117	141	546	257	68
Luxembourg	1 068	383	533	257	79	206	424	518	56
Madagascar	1 173	107	32	73	300	63	34	16	7
Malawi	1 407	141	183	82	504	277	24	23	19
Malaysia	1 176	631	281	412	71	111	145	87	97
Maldives	1 038	160	67	201	49	137	180	240	183
Mali	2 061	206	35	99	157	177	100	69	13
Malta	1 087	500	350	482	69	205	381	206	80
Marshall Islands									
Mauritania	1 637	283	133	374	114	77	256	23	17
Mauritius	1 339	563	202	328	145	106	177	143	53
Mexico	1 345	382	378	415	124	161	239	103	27
Micronesia (Federated States of)	767	989	298	135	285	64	45	69	97
Mongolia	964	382	762	129	135	70	368	149	1
Montenegro	1 122	312	532	306	99	235	553	287	29
Morocco	1 907	375	162	344	149	201	102	73	40
Mozambique	949	219	51	114	586	64	14	25	25
Myanmar	1 314	463	383	171	170	125	95	45	106
Namibia	1 099	253	152	272	377	62	104	208	23
Nauru	606	937	571	469	83	98	177	75	112
Nepal	1 704	343	60	119	299	156	116	94	7
Netherlands	811	648	314	431	199	260	615	198	44
New Zealand	956	610	399	546	124	164	184	188	44
Nicaragua	1 302	289	132	378	170	99	222	67	11
Niger	1 499	349	37	55	445	141	89	12	4

TABLE 44.
DIETARY ENERGY SUPPLY BY COMMODITY GROUP, 2019 (KCAL PER CAPITA PER DAY) (CONTINUED)

COUNTRY	CEREALS	FATS AND OILS	MEAT	SUGAR	ROOTS, TUBERS AND PULSES	FRUIT AND VEGETABLES	DAIRY AND EGGS (EXCL BUTTER)	BEVERAGES AND OTHER	FISH AND SEAFOOD
Nigeria	1 082	388	35	101	775	113	18	59	16
North Macedonia	992	587	227	374	150	362	273	183	11
Norway	999	543	391	290	251	180	373	315	103
Oman	1 169	366	203	228	97	484	291	118	42
Pakistan	1 205	404	87	227	80	71	378	17	3
Palau									
Panama	1 263	533	320	278	77	152	194	128	35
Papua New Guinea	602	348	257	123	472	402	7	29	33
Paraguay	1 040	455	170	164	493	109	170	161	8
Peru	1 085	271	256	211	484	235	153	99	53
Philippines	1 773	190	223	232	57	202	48	79	53
Poland	1 115	568	463	456	194	163	379	211	43
Portugal	986	738	421	240	148	247	323	317	105
Qatar	1 396	616	324	266	152	259	225	184	34
Republic of Korea	1 154	746	356	447	56	224	102	212	146
Republic of Moldova	1 172	382	204	237	115	146	216	122	23
Romania	1 277	603	286	281	202	267	452	254	16
Russian Federation	1 216	570	338	383	186	151	337	174	52
Rwanda	540	115	41	122	1011	301	36	50	9
Saint Kitts and Nevis	690	590	342	398	100	113	127	87	61
Saint Lucia	910	203	475	425	110	134	142	165	64
Saint Vincent and the Grenadines	819	353	419	361	234	247	148	268	36
Samoa	1 039	624	406	261	272	240	80	68	104
San Marino									
Sao Tome and Principe	1 042	388	116	167	128	409	26	85	56
Saudi Arabia	1 601	473	223	312	93	298	194	97	21
Senegal	1 556	538	84	171	189	127	38	13	19
Serbia	1 185	249	415	224	108	202	321	194	16
Seychelles	1 283	405	315	302	116	210	146	277	116
Sierra Leone	1 162	374	39	71	516	80	23	28	43
Singapore									
Slovakia	858	905	268	284	117	134	233	185	20
Slovenia	1 194	500	294	227	98	236	340	243	25
Solomon Islands	730	422	78	139	809	56	21	40	61
Somalia									
South Africa	1 378	458	333	308	78	64	113	113	12
South Sudan	710	429	129	73	379	79	317	13	6
Spain	787	835	408	290	153	206	328	259	87
Sri Lanka	1 555	349	42	308	180	172	108	72	59
Sudan	1 330	372	125	275	125	167	204	7	2
Suriname	1 148	374	288	418	86	173	89	149	32
Sweden	875	633	323	339	129	165	494	238	58
Switzerland	754	695	416	448	105	197	510	248	29
Syrian Arab Republic	1 420	444	99	181	187	194	232	109	5

TABLE 44.
DIETARY ENERGY SUPPLY BY COMMODITY GROUP, 2019 (KCAL PER CAPITA PER DAY) (CONTINUED)

COUNTRY	CEREALS	FATS AND OILS	MEAT	SUGAR	ROOTS, TUBERS AND PULSES	FRUIT AND VEGETABLES	DAIRY AND EGGS (EXCL BUTTER)	BEVERAGES AND OTHER	FISH AND SEAFOOD
Tajikistan	1 392	364	256	171	117	258	176	46	1
Thailand	1 401	353	183	397	57	110	95	189	68
Timor-Leste	1 335	316	158	190	162	41	26	24	13
Togo	1 203	435	59	106	618	29	11	31	20
Tonga									
Trinidad and Tobago	1 098	438	310	503	153	138	176	99	42
Tunisia	1 683	581	114	337	116	354	221	116	27
Türkiye	1 524	690	136	306	229	319	391	148	10
Turkmenistan	1 616	284	321	187	80	148	201	38	5
Tuvalu									
Uganda	740	278	63	116	347	496	61	83	27
Ukraine	1 122	318	230	349	249	193	346	147	25
United Arab Emirates	1 121	811	195	297	211	122	214	62	43
United Kingdom of Great Britain and Northern Ireland	1 011	637	442	257	153	206	383	248	45
United Republic of Tanzania	1 070	376	59	106	494	136	83	57	13
United States of America	845	884	562	586	135	208	438	230	37
Uruguay	1 133	486	305	440	127	128	424	142	18
Uzbekistan	1 473	340	263	177	163	335	458	60	8
Vanuatu	1 038	756	215	114	389	145	45	47	65
Venezuela (Bolivarian Republic of)	872	455	122	324	168	152	137	36	20
Viet Nam	1 585	268	475	185	77	197	51	101	67
Yemen	1 323	233	89	264	66	76	42	20	6
Zambia	1 189	258	83	95	605	23	20	42	25
Zimbabwe	979	303	254	163	104	33	50	60	6

Source: FAO. 2022. FAOSTAT: Food Balances (2010-). In: FAO. Rome. Cited October 2022. <https://www.fao.org/faostat/en/#data/FBS> and FAO. 2021. FAOSTAT: Food Balances (-2013, old methodology and population). In: FAO. Rome. Cited October 2022. <https://www.fao.org/faostat/en/#data/FBSH>

TABLE 45.
AVERAGE PROTEIN SUPPLY BY ORIGIN (G PER CAPITA PER DAY)

COUNTRY	AVERAGE PROTEIN SUPPLY				AVERAGE SUPPLY OF PROTEIN OF ANIMAL ORIGIN			
	2000–2002	2004–2006	2009–2011	2017–2019	2000–2002	2004–2006	2009–2011	2017–2019
World	72.3	73.4	77.1	81.7	26.4	27.7	29.8	32.1
Africa	53.5	55.7	60.2	63.3	10.3	11.3	12.6	13.4
Asia	68.1	69.2	73.8	80.4	19.8	21.4	24.4	28.2
Latin America and the Caribbean	74.5	76.4	81.1	84.3	35.1	36.1	40.2	43.9
Northern America and Europe	101.1	103.0	103.5	105.9	58.3	60.3	60.7	62.1
Oceania	76.6	77.9	88.0	92.3	49.0	49.9	56.6	58.1
Afghanistan	51.4	53.6	58.0	57.7	13.0	12.3	11.0	10.3
Albania	93.0	96.7	104.6	114.0	41.0	48.3	54.3	61.3
Algeria	77.0	83.3	87.0	89.3	19.0	21.0	23.7	24.3
Andorra								
Angola	40.4	43.7	48.6	52.7	12.3	12.7	14.7	15.7
Antigua and Barbuda								
Argentina	98.3	95.0	99.0	106.3	61.6	59.0	61.7	67.7
Armenia	65.3	77.3	87.0	96.0	20.7	29.0	39.7	48.0
Australia	101.7	103.0	107.7	106.7	67.3	68.4	72.4	71.7
Austria	106.0	101.0	105.0	108.0	64.0	59.3	62.3	64.0
Azerbaijan	68.3	80.7	90.7	93.7	17.3	20.3	28.0	33.0
Bahamas								
Bahrain								
Bangladesh	49.0	51.7	54.7	60.3	6.3	7.7	9.3	12.0
Barbados	83.3	86.3	86.3	88.3	47.0	49.3	48.7	49.7
Belarus	86.7	88.7	91.3	90.0	46.0	47.7	51.7	49.3
Belgium	98.7	99.3	96.0	98.7	60.3	60.0	56.3	58.0
Belize	74.1	75.3	69.0	70.0	30.7	30.0	26.3	29.4
Benin	55.7	57.7	63.3	63.0	9.0	9.0	13.0	12.3
Bhutan								
Bolivia (Plurinational State of)	55.7	57.4	64.7	74.0	21.7	24.4	29.3	35.3
Bosnia and Herzegovina	79.3	87.3	88.7	98.0	23.0	27.0	31.0	36.0
Botswana	66.3	59.3	70.7	71.0	24.7	23.0	31.7	27.0
Brazil	79.7	83.3	91.0	94.3	40.7	41.3	48.0	54.0
Brunei Darussalam	87.4	87.3	27.3		45.4	47.0	14.8	
Bulgaria	83.3	78.7	80.0	83.3	39.0	38.3	38.7	41.3
Burkina Faso	68.7	74.0	79.7	79.4	9.0	11.0	11.7	10.3
Burundi								
Cabo Verde	62.0	67.3	70.3	70.7	23.7	25.3	27.0	25.3
Cambodia	53.4	56.7	62.7	65.3	15.4	15.4	18.0	18.7
Cameroon	55.7	60.4	70.4	71.3	11.3	12.3	12.7	11.0
Canada	105.3	103.0	102.0	106.3	59.7	57.3	55.0	58.7
Central African Republic	47.0	48.0	52.0	50.7	17.0	18.0	19.0	20.3
Chad	63.0	62.0	70.5	78.0	11.7	10.3	18.5	26.3
Chile	79.3	85.3	84.3	92.0	37.3	42.0	41.3	48.3
China	83.1	86.1	93.1	103.1	27.2	31.2	36.3	40.3
Colombia	63.0	62.0	61.3	71.3	29.0	30.3	32.0	37.0

TABLE 45.
AVERAGE PROTEIN SUPPLY BY ORIGIN (G PER CAPITA PER DAY) (CONTINUED)

COUNTRY	AVERAGE PROTEIN SUPPLY				AVERAGE SUPPLY OF PROTEIN OF ANIMAL ORIGIN			
	2000–2002	2004–2006	2009–2011	2017–2019	2000–2002	2004–2006	2009–2011	2017–2019
Comoros			35.8	55.3			9.4	15.4
Congo	43.7	44.0	44.6	53.0	13.7	17.0	17.0	25.7
Costa Rica	71.3	70.7	75.0	80.3	34.3	35.0	39.0	45.7
Côte d'Ivoire	51.0	54.7	57.0	60.0	11.3	13.0	12.7	14.0
Croatia	71.3	77.7	81.7	91.7	32.3	41.3	45.3	55.3
Cuba	70.3	77.3	84.7	84.7	21.7	22.0	29.7	33.7
Cyprus	84.7	78.0	89.4	92.0	51.7	48.3	49.0	46.0
Czechia	91.3	96.7	91.3	86.0	54.0	56.0	53.7	52.0
Democratic People's Republic of Korea	60.3	58.7	56.7	54.3	9.0	9.3	9.3	10.0
Democratic Republic of the Congo			18.3	25.7			2.0	3.0
Denmark	104.3	110.7	105.3	115.7	66.7	71.3	65.0	77.3
Djibouti	48.3	54.7	62.3	67.3	14.7	16.0	13.0	14.0
Dominica	90.0	86.0	86.0	80.3	51.7	48.0	48.3	45.0
Dominican Republic	47.7	50.4	56.7	66.7	22.3	24.0	26.7	33.0
Ecuador	55.6	55.7	64.0	62.7	29.3	31.0	35.7	31.0
Egypt	94.3	95.4	99.3	96.6	17.7	19.4	22.0	24.7
El Salvador	67.3	69.3	70.3	75.7	20.7	23.3	24.3	26.3
Equatorial Guinea								
Eritrea								
Estonia	89.0	89.7	98.0	102.3	52.3	51.3	53.0	63.3
Eswatini	62.0	67.3	54.0	59.7	20.3	24.3	16.0	18.0
Ethiopia	51.7	55.4	66.8	71.3	5.4	6.7	7.3	6.0
Fiji	73.3	76.3	70.3	75.0	29.7	33.0	27.3	34.0
Finland	101.7	106.0	111.3	117.7	62.7	64.3	68.3	74.0
France	118.0	111.7	111.3	108.7	78.0	72.3	70.0	64.0
Gabon	75.6	79.7	79.4	79.6	36.0	39.4	37.7	38.3
Gambia	58.3	57.0	61.6	63.3	13.3	14.7	15.7	18.3
Georgia	75.6	81.0	76.7	76.7	26.0	30.3	26.7	31.0
Germany	96.7	97.0	102.0	104.3	57.3	58.3	61.7	62.7
Ghana	52.4	59.0	63.3	61.0	14.3	15.7	14.0	14.7
Greece	116.0	114.7	110.7	107.0	63.0	62.7	62.0	60.7
Grenada								
Guatemala	57.4	59.7	64.7	69.0	15.4	17.3	19.3	21.0
Guinea								
Guinea-Bissau	44.0	43.0	43.0	43.0	8.0	7.0	8.7	8.7
Guyana	76.7	75.0	76.3	85.7	33.7	33.3	32.7	36.0
Haiti	41.3	42.7	47.0	48.3	7.7	8.0	8.7	10.3
Honduras	60.0	64.0	60.3	61.7	22.0	24.7	21.3	20.7
Hungary	89.3	90.0	82.3	88.7	51.7	48.7	44.7	50.3
Iceland	123.7	130.0	130.3	144.0	88.7	95.4	93.0	104.3
India	55.3	54.0	58.0	64.3	9.0	9.7	11.0	15.0
Indonesia	52.3	53.7	58.0	68.7	12.0	13.3	15.3	24.0
Iran (Islamic Republic of)	81.7	83.3	83.3	83.0	19.0	22.0	24.0	25.0

TABLE 45.
AVERAGE PROTEIN SUPPLY BY ORIGIN (G PER CAPITA PER DAY) (CONTINUED)

COUNTRY	AVERAGE PROTEIN SUPPLY				AVERAGE SUPPLY OF PROTEIN OF ANIMAL ORIGIN			
	2000–2002	2004–2006	2009–2011	2017–2019	2000–2002	2004–2006	2009–2011	2017–2019
Iraq	53.4	54.3	63.0	64.7	7.7	6.3	13.0	14.0
Ireland	117.3	114.3	110.0	114.3	74.7	72.0	64.0	67.6
Israel	123.0	128.7	123.7	126.3	68.0	71.7	68.3	75.7
Italy	113.0	110.7	110.7	104.3	61.7	59.3	60.0	54.7
Jamaica	72.0	76.3	74.7	75.3	36.7	38.7	36.3	37.0
Japan	95.3	91.0	86.7	87.0	54.7	51.0	48.0	48.3
Jordan	72.7	79.0	75.9	66.3	23.3	26.3	26.3	24.3
Kazakhstan	88.0	90.0	93.7	102.4	39.7	47.4	53.7	55.3
Kenya	56.7	59.0	60.4	60.7	15.0	16.7	16.3	15.0
Kiribati	70.3	73.0	72.0	70.3	34.7	37.0	35.7	35.7
Kuwait	102.3	112.4	107.1	100.3	51.6	59.7	56.4	48.3
Kyrgyzstan	83.7	84.3	84.3	84.0	35.7	34.0	35.3	34.0
Lao People's Democratic Republic	57.0	60.0	64.0	75.3	10.7	12.0	13.7	18.3
Latvia	78.3	87.0	96.0	97.4	40.7	49.0	57.3	56.7
Lebanon	91.3	84.3	77.9	70.0	35.0	33.7	29.6	23.7
Lesotho	69.0	71.7	75.3	62.7	9.3	10.0	12.7	18.7
Liberia	35.3	34.7	36.7	41.7	5.0	5.7	6.7	10.3
Libya								
Lithuania	105.3	118.0	118.1	122.1	53.0	69.3	70.0	73.0
Luxembourg	104.0	109.0	110.4	108.3	71.3	74.0	68.7	66.7
Madagascar	45.3	47.4	47.0	42.3	10.6	10.3	10.0	8.7
Malawi	56.0	57.0	65.4	70.0	3.7	4.0	5.3	13.7
Malaysia	75.3	78.0	76.7	76.7	41.7	42.0	42.3	43.0
Maldives								
Mali	68.0	72.4	83.1	80.0	16.7	20.4	23.7	17.7
Malta	109.0	110.7	108.0	110.3	56.7	59.0	58.3	63.0
Marshall Islands								
Mauritania	76.4	77.3	79.0	81.4	31.0	31.3	29.7	30.0
Mauritius	79.3	83.7	86.7	86.7	33.7	35.7	37.3	40.0
Mexico	86.7	87.3	87.0	90.3	37.3	39.0	41.0	44.0
Micronesia (Federated States of)								
Mongolia	77.3	72.7	75.6	97.4	49.3	43.3	45.0	67.7
Montenegro		33.7	108.7	112.0		18.0	59.7	68.0
Morocco	84.0	90.0	93.7	99.7	16.0	18.0	22.7	27.3
Mozambique								
Myanmar	51.3	61.7	81.4	96.0	10.7	18.3	32.0	45.0
Namibia	65.3	63.0	60.7	65.0	25.6	23.7	23.3	22.7
Nauru								
Nepal	57.0	61.0	64.0	74.0	9.0	9.0	10.0	12.7
Netherlands	105.7	106.0	108.0	105.0	73.7	72.3	73.0	67.0
New Zealand	89.0	92.7	91.4	95.0	52.0	56.0	54.4	53.3
Nicaragua	55.0	60.3	62.3	64.7	14.7	17.0	17.7	19.3
Niger	68.0	74.3	80.7	83.4	15.3	17.0	11.9	10.0

TABLE 45.
AVERAGE PROTEIN SUPPLY BY ORIGIN (G PER CAPITA PER DAY) (CONTINUED)

COUNTRY	AVERAGE PROTEIN SUPPLY				AVERAGE SUPPLY OF PROTEIN OF ANIMAL ORIGIN			
	2000–2002	2004–2006	2009–2011	2017–2019	2000–2002	2004–2006	2009–2011	2017–2019
Nigeria	58.0	61.7	62.3	59.3	7.7	8.3	9.0	7.0
North Macedonia	71.0	73.3	78.0	83.3	26.3	29.7	31.7	36.0
Norway	105.0	104.7	114.0	115.0	64.0	63.0	66.3	66.0
Oman	75.4	74.7	84.3	84.7	37.7	37.3	44.0	41.3
Pakistan	59.3	59.3	61.0	66.0	22.0	23.3	23.7	28.0
Palau								
Panama	64.7	66.0	74.0	84.7	35.7	35.0	39.4	46.0
Papua New Guinea			41.8	64.0			24.6	35.7
Paraguay	76.1	70.0	64.0	69.7	39.0	31.3	26.3	27.3
Peru	63.3	65.0	74.7	88.0	21.3	22.7	30.7	41.7
Philippines	53.7	56.7	60.0	63.3	22.0	23.0	25.3	26.0
Poland	99.3	98.3	101.7	104.7	49.7	49.0	53.0	57.0
Portugal	112.7	113.0	114.3	115.7	67.7	68.0	71.0	73.3
Qatar								
Republic of Korea	87.3	87.7	92.3	98.0	36.7	38.3	43.0	52.3
Republic of Moldova	68.7	73.7	70.0	70.3	25.0	32.3	29.7	28.3
Romania	98.6	107.3	105.7	108.3	43.7	52.0	50.7	54.0
Russian Federation	86.3	93.0	100.0	103.0	41.7	46.3	53.7	54.7
Rwanda	45.0	48.4	58.4	59.3	3.0	4.0	6.0	8.0
Saint Kitts and Nevis								
Saint Lucia								
Saint Vincent and the Grenadines	69.3	80.0	87.3	89.3	35.7	44.0	49.0	50.0
Samoa	76.3	76.0	82.7	88.0	46.0	44.7	50.3	52.3
San Marino								
Sao Tome and Principe	51.0	57.0	55.6	53.0	12.0	16.0	16.7	16.7
Saudi Arabia	82.0	82.4	86.7	87.7	31.3	32.0	35.7	33.7
Senegal	55.6	57.0	60.6	63.7	16.3	15.7	16.3	14.3
Serbia		25.5	80.7	84.3		11.3	36.7	41.3
Seychelles								
Sierra Leone	44.4	50.0	52.0	49.3	6.7	10.7	12.7	11.0
Singapore								
Slovakia	71.7	72.7	72.0	69.0	33.7	35.3	36.0	37.7
Slovenia	99.7	98.3	99.7	96.0	58.3	57.3	57.3	51.7
Solomon Islands	51.0	53.3	55.7	52.3	14.0	15.3	17.0	15.0
Somalia								
South Africa	75.3	78.0	80.0	79.0	25.0	29.0	33.0	35.0
South Sudan								
Spain	113.0	109.3	106.3	108.0	72.7	70.3	66.7	67.3
Sri Lanka	52.3	53.3	57.7	67.3	13.0	12.3	14.3	18.3
Sudan				74.7				19.7
Suriname	56.3	57.0	61.3	64.4	24.7	24.0	27.0	28.4
Sweden	103.7	107.7	107.3	106.3	69.3	72.0	70.7	67.7
Switzerland	94.0	91.7	94.3	96.7	58.3	58.0	59.7	60.7

TABLE 45.
AVERAGE PROTEIN SUPPLY BY ORIGIN (G PER CAPITA PER DAY) (CONTINUED)

COUNTRY	AVERAGE PROTEIN SUPPLY				AVERAGE SUPPLY OF PROTEIN OF ANIMAL ORIGIN			
	2000–2002	2004–2006	2009–2011	2017–2019	2000–2002	2004–2006	2009–2011	2017–2019
Syrian Arab Republic								
Tajikistan	49.0	50.0	57.1	71.0	8.7	9.7	12.3	22.7
Thailand	58.0	59.3	59.7	61.0	22.3	23.3	24.3	26.7
Timor-Leste	52.0	53.0	53.7	51.9	18.0	15.3	16.3	12.6
Togo	49.6	51.4	54.7	56.0	6.3	6.3	7.7	9.3
Tonga								
Trinidad and Tobago	68.0	71.3	77.7	85.0	30.7	35.7	39.3	44.0
Tunisia	89.3	89.7	95.7	99.7	24.0	24.0	25.0	28.0
Türkiye	103.7	103.0	103.0	110.3	24.3	26.3	30.0	38.7
Turkmenistan	81.4	88.3	89.6	89.3	29.4	33.7	36.3	36.3
Tuvalu								
Uganda								
Ukraine	81.7	88.3	87.7	88.0	33.3	40.0	42.0	40.3
United Arab Emirates	108.8	104.1	83.1	81.3	51.8	45.5	30.6	35.0
United Kingdom of Great Britain and Northern Ireland	99.7	103.3	102.3	105.0	55.3	58.3	58.0	58.7
United Republic of Tanzania	53.4	54.3	56.7	60.0	9.0	9.3	9.7	11.0
United States of America	113.3	114.7	109.3	114.3	72.7	74.0	70.0	74.0
Uruguay	87.7	79.3	86.7	85.7	53.3	42.0	48.3	46.0
Uzbekistan	66.3	73.3	84.7	99.0	22.7	25.0	30.0	42.7
Vanuatu	62.3	64.3	67.3	64.0	25.0	24.0	27.3	26.3
Venezuela (Bolivarian Republic of)	63.3	63.7	77.3	52.7	31.7	30.3	39.7	22.7
Viet Nam	56.0	64.0	75.3	86.0	15.3	21.0	30.0	33.0
Yemen	57.0	55.0	59.0	51.7	10.3	12.7	12.3	9.7
Zambia	46.0	47.7	51.7	58.7	9.0	8.7	11.0	13.7
Zimbabwe								

Source: FAO. 2022. FAOSTAT: Suite of Food Security Indicators. In: FAO. Rome. Cited October 2022.
<https://www.fao.org/faostat/en/#data/FS>

TABLE 46.
AVERAGE DIETARY SUPPLY ADEQUACY (PERCENT)

COUNTRY	2000–2002	2004–2006	2009–2011	2014–2016	2015–2017	2016–2018	2017–2019	2018–2020	2019–2021
World	115	116	119	123	123	124	124	124	124
Africa	108	110	114	116	115	115	115	115	115
Asia	111	110	115	120	121	122	122	123	123
Latin America and the Caribbean	121	122	125	126	126	126	126	126	126
Northern America and Europe	136	138	137	138	139	140	140	141	141
Oceania	117	118	123	125	125	125	126	126	126
Afghanistan	87	92	102	106	106	106	106	105	104
Albania	122	121	129	132	133	133	134	135	136
Algeria	127	131	140	149	149	149	149	151	153
Andorra									
Angola	74	84	107	117	116	116	116	115	113
Antigua and Barbuda									
Argentina	132	128	130	136	136	136	137	137	137
Armenia	94	111	119	126	126	126	126	125	123
Australia	124	126	134	137	137	137	137	138	138
Austria	145	144	147	144	144	145	146	146	145
Azerbaijan	100	118	126	128	129	130	131	131	130
Bahamas									
Bahrain									
Bangladesh	108	110	108	109	110	111	112	112	112
Barbados	113	114	118	119	118	118	119	120	121
Belarus	122	121	128	132	132	133	133	134	134
Belgium	147	145	146	149	149	149	149	149	149
Belize	122	122	120	117	118	119	120	119	118
Benin	109	116	123	125	125	125	125	127	128
Bhutan									
Bolivia (Plurinational State of)	97	97	101	107	108	109	110	110	110
Bosnia and Herzegovina	119	125	123	130	131	132	132	132	132
Botswana	99	101	105	111	111	110	110	111	112
Brazil	122	128	133	133	133	133	133	133	132
Brunei Darussalam	123	127	121	119	118	118	118	118	117
Bulgaria	111	109	111	113	112	114	114	115	116
Burkina Faso	109	116	123	125	125	125	124	124	121
Burundi									
Cabo Verde	108	113	109	106	106	107	107	108	105
Cambodia	101	106	112	116	116	118	119	121	122
Cameroon	101	107	120	123	123	123	123	124	124
Canada	140	139	138	137	138	140	141	141	141
Central African Republic	92	92	99	86	86	88	87	86	84
Chad	92	94	102	105	105	106	105	104	103
Chile	121	123	122	124	124	125	125	126	126
China	116	117	124	132	133	134	135	135	136
Colombia	124	122	118	126	126	126	126	126	126

TABLE 46.
AVERAGE DIETARY SUPPLY ADEQUACY (PERCENT) (CONTINUED)

COUNTRY	2000–2002	2004–2006	2009–2011	2014–2016	2015–2017	2016–2018	2017–2019	2018–2020	2019–2021
Comoros	98	106	102	104	104	105	104	103	103
Congo	100	95	92	100	99	99	99	99	99
Costa Rica	117	118	118	120	122	123	123	123	123
Côte d'Ivoire	116	120	122	126	128	129	130	132	133
Croatia	110	120	121	123	124	124	124	126	127
Cuba	128	135	134	138	139	139	139	135	131
Cyprus	106	102	114	119	120	120	120	120	120
Czechia	122	128	128	126	127	129	129	130	130
Democratic People's Republic of Korea	91	92	88	88	87	86	86	86	87
Democratic Republic of the Congo	103	103	103	102	101	101	101	100	97
Denmark	131	134	130	128	129	130	131	131	131
Djibouti	88	96	104	114	115	115	116	116	115
Dominica	162	156	158	157	156	156	156	154	152
Dominican Republic	100	101	108	117	118	120	122	124	125
Ecuador	100	99	110	114	113	112	111	110	109
Egypt	142	137	145	145	145	144	144	143	143
El Salvador	120	116	114	114	115	117	118	119	120
Equatorial Guinea									
Eritrea									
Estonia	116	120	127	125	124	124	125	125	125
Eswatini	112	115	105	110	109	110	111	112	112
Ethiopia	86	91	100	110	112	112	111	109	108
Fiji	123	124	119	117	117	117	119	121	121
Finland	123	125	127	131	131	131	131	130	130
France	146	142	142	144	145	145	143	142	141
Gabon	120	119	119	120	118	117	116	118	118
Gambia	107	103	117	116	115	114	113	108	105
Georgia	116	124	117	114	114	114	115	117	118
Germany	136	139	142	140	140	140	140	140	140
Ghana	114	121	133	129	129	131	134	137	142
Greece	141	140	140	134	134	133	134	134	135
Grenada									
Guatemala	105	110	115	114	115	116	116	117	119
Guinea									
Guinea-Bissau	111	110	106	99	100	101	101	101	102
Guyana	122	121	117	121	122	122	124	125	126
Haiti	87	85	92	93	93	91	91	90	89
Honduras	107	107	115	116	116	117	117	117	117
Hungary	123	128	123	126	128	130	132	134	135
Iceland	126	133	133	139	142	143	144	144	144
India	104	100	105	108	109	111	111	112	112
Indonesia	106	108	116	125	127	129	129	127	126
Iran (Islamic Republic of)	130	128	125	130	130	128	128	129	130

TABLE 46.
AVERAGE DIETARY SUPPLY ADEQUACY (PERCENT) (CONTINUED)

COUNTRY	2000–2002	2004–2006	2009–2011	2014–2016	2015–2017	2016–2018	2017–2019	2018–2020	2019–2021
Iraq	103	108	115	113	113	114	115	116	118
Ireland	148	141	142	151	153	155	156	154	152
Israel	159	159	154	154	154	155	156	155	154
Italy	146	144	145	138	138	138	138	138	139
Jamaica	115	115	111	111	112	112	113	114	115
Japan	117	114	110	112	112	111	111	110	109
Jordan	117	125	123	123	120	117	113	109	108
Kazakhstan	116	122	131	134	136	139	142	143	144
Kenya	94	96	99	100	98	97	98	99	99
Kiribati	130	128	134	141	141	141	139	138	138
Kuwait	135	147	142	140	139	139	139	138	136
Kyrgyzstan	106	114	115	116	116	116	117	117	117
Lao People's Democratic Republic	96	100	105	116	117	118	119	118	118
Latvia	116	125	126	130	130	131	132	133	135
Lebanon	118	112	124	123	122	121	120	119	119
Lesotho	103	110	114	95	94	95	96	95	93
Liberia	98	100	102	100	100	100	99	97	97
Libya									
Lithuania	131	136	134	137	138	139	139	140	141
Luxembourg	137	138	138	135	135	135	135	135	134
Madagascar	95	97	99	90	89	89	88	86	85
Malawi	106	108	119	121	121	121	121	121	122
Malaysia	124	122	121	119	120	121	122	123	123
Maldives									
Mali	111	116	134	137	137	136	134	133	131
Malta	137	136	137	135	135	135	135	134	134
Marshall Islands									
Mauritania	124	122	127	128	128	128	128	128	126
Mauritius	123	125	129	125	125	124	124	123	123
Mexico	140	138	133	133	133	133	133	133	133
Micronesia (Federated States of)									
Mongolia	95	95	105	116	118	120	122	126	128
Montenegro	106	117	140	138	140	141	141	138	136
Morocco	133	137	139	144	143	144	143	143	142
Mozambique									
Myanmar	90	98	115	121	122	123	124	124	125
Namibia	108	105	97	107	109	109	110	112	114
Nauru									
Nepal	105	109	116	126	128	129	129	128	128
Netherlands	126	125	124	126	126	127	129	130	130
New Zealand	127	127	127	127	127	128	129	130	130
Nicaragua	102	107	111	112	113	115	115	115	116
Niger	107	113	119	122	123	124	124	125	119

TABLE 46.
AVERAGE DIETARY SUPPLY ADEQUACY (PERCENT) (CONTINUED)

COUNTRY	2000–2002	2004–2006	2009–2011	2014–2016	2015–2017	2016–2018	2017–2019	2018–2020	2019–2021
Nigeria	121	125	123	122	121	120	119	118	119
North Macedonia	110	115	119	120	120	121	122	123	123
Norway	135	137	137	135	133	133	134	135	136
Oman	112	115	119	118	117	117	118	116	115
Pakistan	108	106	107	109	109	110	109	110	110
Palau									
Panama	100	103	116	121	122	126	128	130	129
Papua New Guinea	99	98	99	101	101	101	102	102	102
Paraguay	117	115	115	116	116	116	117	117	117
Peru	104	105	115	120	120	120	121	122	123
Philippines	110	114	115	115	117	120	123	125	127
Poland	135	132	136	135	137	139	140	140	140
Portugal	142	142	140	136	137	137	138	139	139
Qatar									
Republic of Korea	123	123	132	136	137	138	139	139	138
Republic of Moldova	98	94	101	106	107	107	107	107	107
Romania	131	139	143	139	141	142	143	144	145
Russian Federation	118	127	132	136	136	137	137	137	137
Rwanda	97	99	103	100	100	101	101	101	101
Saint Kitts and Nevis									
Saint Lucia									
Saint Vincent and the Grenadines	107	115	120	119	120	120	120	118	116
Samoa	125	128	127	130	130	130	131	131	131
San Marino									
Sao Tome and Principe	107	113	107	107	107	108	107	107	106
Saudi Arabia	133	133	129	136	136	137	136	136	136
Senegal	98	103	111	112	113	115	116	119	120
Serbia	115	118	118	113	113	113	114	115	118
Seychelles									
Sierra Leone	85	88	102	104	105	104	104	104	104
Singapore									
Slovakia	109	110	111	110	110	112	113	114	115
Slovenia	121	124	127	127	127	128	128	127	127
Solomon Islands	110	113	115	110	111	111	111	111	111
Somalia									
South Africa	122	123	123	121	121	121	120	119	118
South Sudan									
Spain	131	126	126	129	130	132	133	134	134
Sri Lanka	103	105	109	117	118	119	120	122	124
Sudan	105	108	111	117	116	116	116	117	116
Suriname	109	111	116	115	114	114	115	115	115
Sweden	122	122	124	126	126	126	126	125	125
Switzerland	134	134	135	132	132	132	132	132	133
Syrian Arab Republic									

TABLE 46.
AVERAGE DIETARY SUPPLY ADEQUACY (PERCENT) (CONTINUED)

COUNTRY	2000–2002	2004–2006	2009–2011	2014–2016	2015–2017	2016–2018	2017–2019	2018–2020	2019–2021
Tajikistan	87	89	98	109	112	116	119	122	123
Thailand	107	112	112	114	113	113	114	115	116
Timor-Leste	92	98	98	104	104	104	103	103	102
Togo	97	102	109	109	108	108	109	110	113
Tonga									
Trinidad and Tobago	116	114	120	123	123	123	123	122	121
Tunisia	136	136	141	147	147	148	148	149	149
Türkiye	156	155	154	154	155	155	156	156	157
Turkmenistan	115	122	122	126	126	125	125	125	125
Tuvalu									
Uganda									
Ukraine	119	129	127	126	125	124	123	122	123
United Arab Emirates	123	111	111	114	115	114	115	115	116
United Kingdom of Great Britain and Northern Ireland	137	138	135	136	136	136	136	135	134
United Republic of Tanzania	98	102	105	111	111	111	111	111	113
United States of America	150	152	145	147	148	149	151	152	152
Uruguay	119	118	127	130	130	131	132	132	132
Uzbekistan	100	103	119	136	136	136	136	137	138
Vanuatu	126	128	132	124	123	121	121	121	122
Venezuela (Bolivarian Republic of)	105	109	125	109	103	97	97	96	97
Viet Nam	103	110	118	124	125	126	127	129	130
Yemen	101	99	103	94	92	91	93	95	96
Zambia	85	85	90	99	101	103	103	105	106
Zimbabwe									

Source: FAO. 2022. FAOSTAT: Suite of Food Security Indicators. In: FAO. Rome. Cited October 2022.
<https://www.fao.org/faostat/en/#data/FS>

TABLE 47.
PREVALENCE OF STUNTING IN CHILDREN UNDER 5 YEARS (PERCENT)

COUNTRY	2000	2005	2010	2015	2016	2017	2018	2019	2020
World	33.1	30.7	27.7	24.4	23.8	23.4	22.9	22.4	22.0
Africa	41.5	39.1	35.9	32.8	32.4	32.0	31.6	31.2	30.7
Asia	37.0	33.9	30.1	25.3	24.5	23.8	23.1	22.4	21.8
Latin America and the Caribbean	18.0	15.7	13.5	12.0	11.9	11.8	11.6	11.4	11.3
Northern America and Europe									
Oceania									
Afghanistan	54.6	52.2	47.2	41.1	39.9	38.6	37.4	36.3	35.1
Albania	29.7	27.5	20.3	14.3	13.3	12.4	11.4	10.4	9.6
Algeria	22.1	17.9	13.7	11.1	10.7	10.2	9.9	9.5	9.3
Andorra									
Angola	47.8	35.8	31.9	34.4	35.2	36.1	36.8	37.4	37.7
Antigua and Barbuda									
Argentina	10.5	9.0	8.0	7.8	7.8	7.7	7.7	7.7	7.8
Armenia	17.7	19.3	15.6	12.0	11.2	10.6	10.0	9.5	9.1
Australia	1.3	1.6	2.0	2.1	2.1	2.1	2.1	2.1	2.1
Austria									
Azerbaijan	24.3	23.1	18.4	16.5	16.4	16.4	16.3	16.3	16.3
Bahamas									
Bahrain	11.0	8.6	6.8	5.8	5.6	5.5	5.3	5.2	5.1
Bangladesh	56.0	47.1	40.2	35.0	34.0	33.0	32.0	31.0	30.2
Barbados	8.3	8.0	7.9	7.2	7.1	6.9	6.8	6.6	6.6
Belarus	4.9	4.5	4.1	3.9	3.9	3.9	3.9	3.9	3.9
Belgium	4.0	3.4	2.8	2.5	2.5	2.4	2.4	2.4	2.3
Belize	25.2	22.8	19.0	15.6	15.1	14.6	14.1	13.7	13.3
Benin	36.8	36.1	34.6	33.2	32.9	32.7	32.4	31.9	31.3
Bhutan	46.5	40.3	33.0	26.4	25.4	24.5	23.7	23.0	22.4
Bolivia (Plurinational State of)	33.4	28.8	22.4	17.2	16.1	15.1	14.2	13.4	12.7
Bosnia and Herzegovina	12.7	10.9	9.8	9.0	9.0	9.1	9.1	9.1	9.1
Botswana	31.5	28.9	25.9	23.5	23.5	23.6	23.5	23.2	22.8
Brazil	9.8	7.5	6.6	6.1	6.1	6.1	6.1	6.1	6.1
Brunei Darussalam	20.9	20.5	18.4	15.7	15.0	14.3	13.7	13.2	12.7
Bulgaria	10.0	9.1	7.9	7.1	7.0	6.9	6.8	6.6	6.4
Burkina Faso	41.5	42.0	37.1	29.3	28.3	27.4	26.7	26.1	25.5
Burundi	62.3	60.4	57.4	56.3	56.3	56.5	56.8	57.2	57.6
Cabo Verde	18.0	14.8	13.2	11.0	10.7	10.5	10.2	9.9	9.7
Cambodia	51.1	44.8	37.5	31.3	30.7	30.4	30.2	30.0	29.9
Cameroon	37.3	36.5	33.6	30.8	30.2	29.5	28.9	28.1	27.2
Canada									
Central African Republic	43.4	43.1	41.8	41.7	41.6	41.4	41.0	40.5	40.1
Chad	42.5	41.5	39.6	37.4	36.9	36.4	36.0	35.5	35.0
Chile	2.9	2.3	2.0	1.8	1.7	1.7	1.6	1.6	1.6
China, mainland	20.1	13.0	8.7	6.1	5.9	5.5	5.2	4.9	4.7
Colombia	17.5	15.4	13.3	12.4	12.2	12.0	11.8	11.6	11.5
Comoros	42.4	38.8	34.7	28.7	27.4	26.2	24.9	23.7	22.6

TABLE 47.
PREVALENCE OF STUNTING IN CHILDREN UNDER 5 YEARS (PERCENT) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2016	2017	2018	2019	2020
Congo	36.4	30.7	25.1	21.5	21.0	20.3	19.6	18.8	18.0
Costa Rica	7.7	6.6	6.7	7.5	7.7	7.9	8.2	8.4	8.6
Côte d'Ivoire	33.6	34.0	31.4	25.3	23.5	22.0	20.6	19.1	17.8
Croatia									
Cuba	7.2	7.3	7.1	7.1	7.1	7.1	7.1	7.0	7.0
Cyprus									
Czechia	2.7	2.6	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Democratic People's Republic of Korea	54.4	40.4	29.0	22.6	21.7	20.7	19.8	18.9	18.2
Democratic Republic of the Congo	47.8	45.8	43.6	41.7	41.7	41.6	41.5	41.2	40.8
Denmark									
Djibouti	30.0	29.8	30.8	33.1	33.5	33.7	33.9	34.0	34.0
Dominica									
Dominican Republic	10.6	9.0	8.4	7.4	7.1	6.9	6.6	6.2	5.9
Ecuador	28.2	27.9	25.4	23.3	23.3	23.4	23.5	23.4	23.1
Egypt	26.9	25.1	23.7	21.9	22.0	22.1	22.2	22.3	22.3
El Salvador	28.8	23.0	17.6	13.5	12.8	12.4	12.0	11.6	11.2
Equatorial Guinea	39.3	33.9	27.8	23.4	22.8	22.0	21.2	20.5	19.7
Eritrea	47.7	47.0	49.4	50.4	50.3	50.2	49.9	49.5	49.1
Estonia	2.1	1.6	1.4	1.3	1.3	1.2	1.2	1.2	1.2
Eswatini	36.8	34.5	31.1	26.4	25.6	24.7	24.1	23.3	22.6
Ethiopia	57.5	50.7	44.7	40.1	39.2	38.2	37.3	36.3	35.3
Fiji	5.9	7.8	8.5	8.0	7.7	7.6	7.5	7.5	7.5
Finland									
France									
Gabon	25.8	23.8	18.8	15.9	15.6	15.4	15.1	14.8	14.4
Gambia	29.8	26.6	23.7	20.4	19.6	18.8	17.9	16.9	16.1
Georgia	16.2	14.3	10.3	7.6	7.0	6.6	6.3	5.9	5.7
Germany	1.5	1.4	1.4	1.5	1.5	1.5	1.6	1.6	1.6
Ghana	33.3	30.0	24.8	18.9	17.9	17.0	16.1	15.1	14.2
Greece	2.7	2.3	2.1	2.1	2.1	2.2	2.2	2.2	2.2
Grenada									
Guatemala	53.8	53.0	49.1	46.2	45.7	45.2	44.7	43.6	42.8
Guinea	34.2	35.5	34.7	32.7	32.2	31.5	30.9	30.2	29.4
Guinea-Bissau	33.9	31.9	30.5	28.9	28.9	28.8	28.7	28.4	28.0
Guyana	15.0	16.9	16.0	11.9	11.2	10.6	10.0	9.5	9.0
Haiti	30.9	27.6	25.1	22.3	21.8	21.5	21.2	20.7	20.4
Honduras	37.5	30.4	24.1	21.9	21.6	21.3	20.9	20.4	19.9
Hungary									
Iceland									
India	49.8	48.2	44.5	37.5	36.2	34.8	33.5	32.1	30.9
Indonesia	41.5	38.3	35.7	32.9	32.5	32.3	32.2	32.0	31.8
Iran (Islamic Republic of)	14.5	8.4	6.3	6.2	6.2	6.2	6.2	6.3	6.3
Iraq	28.4	26.3	21.8	16.2	15.3	14.4	13.4	12.5	11.6
Ireland									

TABLE 47.
PREVALENCE OF STUNTING IN CHILDREN UNDER 5 YEARS (PERCENT) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2016	2017	2018	2019	2020
Israel									
Italy									
Jamaica	7.4	6.2	6.4	7.5	7.7	7.9	8.1	8.3	8.5
Japan	8.4	7.6	6.9	6.1	6.0	5.8	5.7	5.6	5.5
Jordan	11.0	9.7	8.2	7.7	7.7	7.7	7.6	7.5	7.3
Kazakhstan	17.7	15.3	12.3	9.1	8.6	8.1	7.6	7.1	6.7
Kenya	38.9	36.8	30.7	24.3	23.4	22.5	21.5	20.4	19.4
Kiribati	20.4	18.1	16.3	15.6	15.6	15.6	15.5	15.3	14.9
Kuwait	4.2	4.2	4.5	5.3	5.4	5.6	5.7	5.8	6.0
Kyrgyzstan	29.9	23.1	17.7	13.6	13.0	12.4	12.1	11.7	11.4
Lao People's Democratic Republic	49.7	47.6	43.2	36.5	35.1	33.7	32.4	31.2	30.2
Latvia									
Lebanon	16.0	16.6	15.7	11.4	11.2	11.0	10.9	10.6	10.4
Lesotho	41.0	41.8	39.7	34.4	33.8	33.2	32.9	32.4	32.1
Liberia	45.1	41.4	37.3	33.3	32.3	31.3	30.3	28.8	28.0
Libya	20.5	22.6	26.2	34.8	36.4	38.3	40.1	41.5	43.5
Lithuania									
Luxembourg									
Madagascar	55.2	52.2	49.1	45.3	44.4	43.4	42.4	41.3	40.2
Malawi	55.7	52.8	46.8	40.2	39.5	39.1	38.5	37.8	37.0
Malaysia	20.0	18.3	17.9	19.1	19.5	19.9	20.3	20.6	20.9
Maldives	33.6	24.9	18.3	16.2	15.8	15.5	15.1	14.6	14.2
Mali	40.0	36.3	32.2	29.1	28.4	27.7	27.0	26.3	25.7
Malta									
Marshall Islands	38.2	35.7	37.6	35.0	34.8	34.3	33.5	32.8	32.2
Mauritania	40.4	32.3	27.9	26.0	25.7	25.5	25.1	24.7	24.2
Mauritius	12.7	10.1	9.2	8.9	8.9	8.9	8.8	8.8	8.7
Mexico	20.3	16.4	13.5	12.4	12.4	12.5	12.4	12.2	12.1
Micronesia (Federated States of)									
Mongolia	29.4	23.3	15.2	10.1	9.4	8.7	8.1	7.6	7.1
Montenegro	8.7	8.5	8.3	8.0	8.0	8.0	8.1	8.1	8.1
Morocco	25.2	20.3	17.4	15.1	14.7	14.2	13.8	13.4	12.9
Mozambique	50.5	45.9	43.1	41.7	40.8	40.0	39.2	38.4	37.8
Myanmar	47.0	39.1	33.2	29.5	28.6	27.8	26.9	26.1	25.2
Namibia	30.3	28.6	25.9	21.7	20.8	20.1	19.5	18.9	18.4
Nauru	26.8	25.3	21.6	18.2	17.5	16.9	16.3	15.5	15.0
Nepal	57.9	49.5	42.8	36.4	35.0	33.8	32.5	31.4	30.4
Netherlands	1.3	1.4	1.5	1.5	1.5	1.5	1.6	1.6	1.6
New Zealand									
Nicaragua	25.3	21.6	18.4	16.0	15.5	15.1	14.7	14.4	14.1
Niger	52.1	51.0	49.2	47.2	47.1	47.0	46.9	46.8	46.7
Nigeria	42.3	40.7	38.8	37.0	36.7	36.5	36.1	35.7	35.3
North Macedonia	8.8	8.7	6.6	5.0	4.8	4.6	4.4	4.2	4.1
Norway									

TABLE 47.
PREVALENCE OF STUNTING IN CHILDREN UNDER 5 YEARS (PERCENT) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2016	2017	2018	2019	2020
Oman	15.1	12.3	11.3	11.7	11.8	11.9	12.0	12.1	12.2
Pakistan	42.1	43.8	44.2	41.3	40.4	39.4	38.5	37.5	36.7
Palau									
Panama	18.5	20.7	20.9	18.1	17.3	16.7	16.0	15.4	14.7
Papua New Guinea	41.9	44.0	46.6	47.5	47.6	47.9	48.1	48.3	48.4
Paraguay	18.3	16.5	11.5	7.3	6.6	6.0	5.5	5.0	4.6
Peru	31.7	28.0	21.8	15.0	13.9	13.0	12.1	11.4	10.8
Philippines	35.7	34.0	32.7	31.1	30.5	29.9	29.9	29.4	28.7
Poland	3.3	2.7	2.4	2.3	2.3	2.3	2.3	2.3	2.3
Portugal	4.9	4.5	4.0	3.6	3.5	3.4	3.4	3.3	3.3
Qatar	9.4	7.3	6.2	5.6	5.4	5.1	4.9	4.7	4.6
Republic of Korea	2.9	2.6	2.3	2.2	2.2	2.2	2.2	2.2	2.2
Republic of Moldova	12.3	9.9	7.8	6.2	5.9	5.6	5.4	5.1	4.9
Romania	13.7	12.7	11.1	10.2	10.1	10.1	10.0	9.9	9.7
Russian Federation									
Rwanda	49.1	50.1	44.1	36.7	35.9	35.1	34.3	33.4	32.6
Saint Kitts and Nevis									
Saint Lucia	3.8	3.1	2.8	2.6	2.6	2.7	2.7	2.7	2.8
Saint Vincent and the Grenadines									
Samoa	6.1	5.4	5.6	5.8	5.9	6.1	6.4	6.6	6.8
San Marino									
Sao Tome and Principe	31.1	24.5	20.1	15.6	14.7	13.8	13.1	12.4	11.8
Saudi Arabia	13.3	8.9	6.2	4.7	4.5	4.4	4.2	4.1	3.9
Senegal	25.4	21.9	19.9	19.5	19.2	18.7	18.3	17.8	17.2
Serbia	9.7	8.1	6.5	6.0	5.9	5.8	5.7	5.5	5.3
Seychelles	10.9	8.8	8.1	7.9	7.8	7.8	7.6	7.5	7.4
Sierra Leone	38.7	39.2	37.4	32.6	31.7	30.6	28.8	27.7	26.8
Singapore	4.4	3.9	3.3	3.0	3.0	2.9	2.9	2.9	2.8
Slovakia									
Slovenia									
Solomon Islands	34.0	34.2	33.0	30.5	30.2	30.0	29.7	29.5	29.3
Somalia	31.9	32.6	31.9	29.7	29.3	28.8	28.3	27.9	27.4
South Africa	28.1	27.6	24.1	23.1	23.0	22.9	23.0	23.1	23.2
South Sudan	38.9	35.6	32.8	31.4	31.3	31.2	31.0	30.8	30.6
Spain									
Sri Lanka	20.6	18.3	17.2	16.3	16.3	16.2	16.2	16.1	16.0
Sudan	40.8	38.6	36.7	35.3	35.0	34.7	34.4	34.1	33.7
Suriname	13.9	10.9	9.1	8.5	8.5	8.4	8.3	8.2	8.0
Sweden									
Switzerland									
Syrian Arab Republic	28.1	28.8	26.9	30.5	31.2	31.1	30.9	30.3	29.6
Tajikistan	41.6	36.9	29.5	21.2	19.6	18.2	17.0	16.0	15.3
Thailand	16.9	16.4	14.9	12.9	12.8	12.7	12.6	12.4	12.3
Timor-Leste	54.8	57.1	54.4	50.9	50.3	49.9	49.5	49.1	48.8

TABLE 47.
PREVALENCE OF STUNTING IN CHILDREN UNDER 5 YEARS (PERCENT) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2016	2017	2018	2019	2020
Togo	35.2	32.0	28.6	26.0	25.6	25.2	24.8	24.3	23.8
Tonga	12.9	10.2	7.8	4.9	4.3	3.8	3.3	3.0	2.6
Trinidad and Tobago	5.9	7.0	8.2	8.6	8.7	8.7	8.7	8.7	8.7
Tunisia	12.9	11.1	9.5	8.8	8.8	8.7	8.7	8.6	8.6
Türkiye									
Turkmenistan	27.4	20.4	14.7	10.4	9.7	9.1	8.5	8.0	7.6
Tuvalu	12.1	10.5	10.1	9.9	9.9	9.9	9.8	9.8	9.7
Uganda	44.0	40.2	36.0	30.7	29.9	29.3	28.8	28.4	27.9
Ukraine	22.4	20.8	19.2	18.9	19.1	18.9	18.3	17.5	15.9
United Arab Emirates									
United Kingdom of Great Britain and Northern Ireland									
United Republic of Tanzania	47.7	43.6	40.6	35.3	34.8	34.2	33.6	32.8	32.0
United States of America	3.1	2.7	2.7	2.9	2.9	3.0	3.1	3.1	3.2
Uruguay	14.6	12.2	9.8	7.8	7.5	7.2	6.9	6.7	6.5
Uzbekistan	29.5	21.0	15.8	12.1	11.5	11.1	10.7	10.3	9.9
Vanuatu	25.1	26.3	27.0	27.9	28.2	28.4	28.5	28.6	28.7
Venezuela (Bolivarian Republic of)	17.8	16.7	13.6	11.2	10.9	10.8	10.7	10.6	10.6
Viet Nam	41.8	32.9	27.6	24.4	23.9	23.6	23.0	22.7	22.3
Yemen	55.2	55.0	50.1	43.1	41.7	40.5	39.3	38.2	37.2
Zambia	54.0	50.1	44.0	37.6	36.2	35.0	33.8	32.9	32.3
Zimbabwe	32.4	34.6	33.7	26.8	25.8	24.9	24.2	23.5	23.0

Source: FAO. 2022. FAOSTAT: Suite of Food Security Indicators. In: *FAO*. Rome. Cited October 2022.
<https://www.fao.org/faostat/en/#data/FS>

TABLE 48.
PREVALENCE OF OBESITY IN THE ADULT POPULATION (PERCENT)

COUNTRY	2000	2005	2010	2011	2012	2013	2014	2015	2016
World	8.7	9.9	11.2	11.5	11.8	12.1	12.5	12.8	13.1
Africa	7.9	9.3	10.8	11.1	11.5	11.8	12.1	12.4	12.8
Asia	3.4	4.3	5.5	5.8	6.1	6.4	6.7	7.0	7.3
Latin America and the Caribbean	16.6	18.9	21.2	21.7	22.2	22.7	23.2	23.7	24.2
Northern America and Europe	19.5	21.7	24.0	24.5	25.0	25.4	25.9	26.4	26.9
Oceania	19.5	22.1	24.7	25.3	25.8	26.4	27.0	27.5	28.1
Afghanistan	2.3	3.0	4.0	4.2	4.4	4.7	4.9	5.2	5.5
Albania	13.2	15.4	18.2	18.8	19.3	19.9	20.5	21.1	21.7
Algeria	17.4	20.2	23.3	24.0	24.7	25.3	26.0	26.7	27.4
Andorra	22.2	23.4	24.4	24.6	24.8	25.0	25.2	25.4	25.6
Angola	3.6	4.8	6.2	6.5	6.8	7.1	7.5	7.9	8.2
Antigua and Barbuda	12.7	14.4	16.2	16.7	17.1	17.5	18.0	18.4	18.9
Argentina	20.7	23.0	25.3	25.8	26.3	26.8	27.3	27.8	28.3
Armenia	14.2	15.7	17.5	17.9	18.3	18.8	19.2	19.7	20.2
Australia	20.2	22.9	25.6	26.2	26.7	27.3	27.9	28.4	29.0
Austria	14.0	15.8	17.6	18.0	18.4	18.8	19.2	19.7	20.1
Azerbaijan	12.5	14.3	16.6	17.2	17.7	18.2	18.8	19.3	19.9
Bahamas	23.9	26.2	28.5	29.0	29.5	30.0	30.5	31.0	31.6
Bahrain	22.9	24.7	26.6	27.1	27.6	28.2	28.8	29.3	29.8
Bangladesh	1.3	1.8	2.5	2.6	2.8	3.0	3.2	3.4	3.6
Barbados	15.1	17.4	19.8	20.4	20.9	21.4	22.0	22.5	23.1
Belarus	18.8	20.5	22.3	22.7	23.0	23.4	23.7	24.1	24.5
Belgium	17.0	18.5	20.1	20.4	20.7	21.0	21.4	21.7	22.1
Belize	16.4	18.7	21.0	21.5	22.0	22.5	23.0	23.6	24.1
Benin	5.0	6.2	7.6	7.9	8.2	8.6	8.9	9.3	9.6
Bhutan	2.4	3.4	4.6	4.9	5.2	5.5	5.7	6.1	6.4
Bolivia (Plurinational State of)	13.2	15.2	17.4	17.9	18.3	18.8	19.3	19.7	20.2
Bosnia and Herzegovina	12.6	14.0	15.6	16.0	16.3	16.7	17.1	17.5	17.9
Botswana	13.1	15.1	16.9	17.2	17.5	17.9	18.2	18.6	18.9
Brazil	14.5	16.8	19.2	19.6	20.1	20.6	21.1	21.6	22.1
Brunei Darussalam	7.2	9.0	11.1	11.6	12.1	12.6	13.1	13.6	14.1
Bulgaria	18.6	20.4	22.4	22.8	23.2	23.7	24.1	24.5	25.0
Burkina Faso	2.1	2.9	4.0	4.2	4.5	4.7	5.0	5.3	5.6
Burundi	2.4	3.1	4.0	4.2	4.4	4.6	4.9	5.1	5.4
Cabo Verde	6.3	7.9	9.6	9.9	10.3	10.7	11.0	11.4	11.8
Cambodia	1.5	2.0	2.7	2.9	3.1	3.3	3.5	3.7	3.9
Cameroon	5.8	7.3	9.0	9.4	9.8	10.2	10.6	11.0	11.4
Canada	20.5	23.3	26.0	26.6	27.1	27.7	28.3	28.8	29.4
Central African Republic	3.9	4.8	5.9	6.1	6.4	6.6	6.9	7.2	7.5
Chad	2.9	3.7	4.7	4.9	5.1	5.3	5.6	5.8	6.1
Chile	20.6	22.8	25.1	25.6	26.1	26.5	27.0	27.5	28.0
China	2.4	3.2	4.4	4.7	5.0	5.2	5.5	5.9	6.2
Colombia	15.4	17.4	19.5	20.0	20.4	20.9	21.4	21.9	22.3
Comoros	4.1	5.1	6.2	6.4	6.7	6.9	7.2	7.5	7.8

TABLE 48.
PREVALENCE OF OBESITY IN THE ADULT POPULATION (PERCENT) (CONTINUED)

COUNTRY	2000	2005	2010	2011	2012	2013	2014	2015	2016
Congo	5.2	6.3	7.7	8.0	8.3	8.6	8.9	9.2	9.6
Costa Rica	14.8	18.0	21.4	22.2	22.9	23.6	24.3	25.0	25.7
Côte d'Ivoire	5.0	6.3	7.9	8.3	8.7	9.0	9.4	9.8	10.3
Croatia	17.5	19.4	21.6	22.0	22.5	22.9	23.4	23.9	24.4
Cuba	17.3	19.4	21.7	22.2	22.6	23.1	23.6	24.1	24.6
Cyprus	16.4	18.2	19.8	20.1	20.4	20.7	21.1	21.4	21.8
Czechia	21.0	22.3	23.9	24.2	24.5	24.9	25.2	25.6	26.0
Democratic People's Republic of Korea	4.0	4.7	5.5	5.7	5.9	6.1	6.3	6.5	6.8
Democratic Republic of the Congo	3.1	4.0	5.1	5.3	5.6	5.9	6.1	6.4	6.7
Denmark	14.0	15.7	17.4	17.8	18.1	18.5	18.9	19.3	19.7
Djibouti	9.3	10.5	11.8	12.0	12.3	12.6	12.9	13.2	13.5
Dominica	19.4	21.8	24.5	25.0	25.6	26.2	26.8	27.3	27.9
Dominican Republic	16.0	19.3	23.0	23.8	24.5	25.3	26.1	26.9	27.6
Ecuador	13.2	15.2	17.2	17.6	18.1	18.5	19.0	19.4	19.9
Egypt	22.2	24.9	28.0	28.6	29.3	30.0	30.6	31.3	32.0
El Salvador	15.6	18.4	21.1	21.7	22.2	22.8	23.4	24.0	24.6
Equatorial Guinea	4.3	5.2	6.3	6.5	6.8	7.1	7.4	7.7	8.0
Eritrea	2.3	2.9	3.7	3.9	4.1	4.3	4.5	4.8	5.0
Estonia	17.4	18.4	19.6	19.9	20.1	20.4	20.7	20.9	21.2
Eswatini	10.7	12.4	14.1	14.5	14.9	15.3	15.7	16.1	16.5
Ethiopia	1.9	2.5	3.3	3.4	3.6	3.8	4.0	4.3	4.5
Fiji	21.0	23.7	26.5	27.1	27.7	28.3	28.9	29.5	30.2
Finland	16.4	18.2	20.0	20.3	20.7	21.1	21.4	21.8	22.2
France	15.8	17.6	19.3	19.7	20.1	20.4	20.8	21.2	21.6
Gabon	9.3	11.1	12.8	13.2	13.5	13.9	14.3	14.6	15.0
Gambia	4.8	6.3	8.0	8.4	8.7	9.1	9.5	9.9	10.3
Georgia	13.7	15.7	18.2	18.7	19.3	19.9	20.5	21.1	21.7
Germany	16.3	18.0	19.9	20.3	20.7	21.1	21.5	21.9	22.3
Ghana	5.5	7.0	8.7	9.1	9.4	9.8	10.1	10.5	10.9
Greece	18.5	20.4	22.4	22.8	23.2	23.6	24.0	24.4	24.9
Grenada	13.5	15.7	18.1	18.6	19.1	19.6	20.2	20.7	21.3
Guatemala	12.9	15.3	17.8	18.4	18.9	19.5	20.0	20.6	21.2
Guinea	3.7	4.7	5.9	6.2	6.4	6.7	7.0	7.4	7.7
Guinea-Bissau	4.3	5.6	7.2	7.6	7.9	8.3	8.7	9.1	9.5
Guyana	11.9	14.3	16.8	17.4	17.9	18.4	19.0	19.6	20.2
Haiti	10.9	13.9	17.7	18.6	19.4	20.2	21.0	21.8	22.7
Honduras	12.6	15.0	17.8	18.4	19.0	19.5	20.1	20.8	21.4
Hungary	19.6	21.3	23.5	24.0	24.5	25.0	25.4	25.9	26.4
Iceland	16.0	17.8	19.6	20.0	20.3	20.7	21.1	21.5	21.9
India	1.6	2.1	2.8	3.0	3.1	3.3	3.5	3.7	3.9
Indonesia	2.6	3.6	4.9	5.2	5.5	5.8	6.1	6.5	6.9
Iran (Islamic Republic of)	16.6	19.1	22.1	22.7	23.3	24.0	24.6	25.2	25.8
Iraq	22.2	24.4	26.9	27.5	28.0	28.6	29.2	29.8	30.4
Ireland	16.0	18.7	21.6	22.2	22.8	23.4	24.0	24.7	25.3

TABLE 48.
PREVALENCE OF OBESITY IN THE ADULT POPULATION (PERCENT) (CONTINUED)

COUNTRY	2000	2005	2010	2011	2012	2013	2014	2015	2016
Israel	21.1	22.7	24.2	24.5	24.8	25.1	25.5	25.8	26.1
Italy	15.0	16.5	18.1	18.3	18.7	19.0	19.3	19.6	19.9
Jamaica	15.9	18.4	21.1	21.7	22.3	22.9	23.5	24.1	24.7
Japan	2.1	2.6	3.3	3.5	3.6	3.8	3.9	4.1	4.3
Jordan	26.4	29.2	31.9	32.5	33.1	33.7	34.3	34.9	35.5
Kazakhstan	14.0	15.9	18.0	18.5	19.0	19.5	20.0	20.5	21.0
Kenya	3.2	4.2	5.4	5.6	5.9	6.2	6.5	6.8	7.1
Kiribati	34.9	38.9	42.2	42.8	43.5	44.1	44.7	45.3	46.0
Kuwait	29.6	32.0	34.6	35.1	35.6	36.2	36.8	37.4	37.9
Kyrgyzstan	9.6	11.3	13.4	13.9	14.4	14.9	15.5	16.0	16.6
Lao People's Democratic Republic	1.7	2.5	3.5	3.8	4.1	4.4	4.7	5.0	5.3
Latvia	19.3	20.5	21.8	22.1	22.4	22.7	23.0	23.3	23.6
Lebanon	24.6	26.3	28.7	29.2	29.7	30.3	30.8	31.4	32.0
Lesotho	10.0	11.9	14.1	14.5	14.9	15.3	15.7	16.2	16.6
Liberia	5.6	6.6	8.0	8.3	8.6	8.9	9.2	9.6	9.9
Libya	23.5	26.0	28.8	29.4	30.0	30.6	31.3	31.9	32.5
Lithuania	21.6	22.9	24.4	24.7	25.0	25.3	25.6	26.0	26.3
Luxembourg	15.8	17.9	20.0	20.4	20.9	21.3	21.7	22.2	22.6
Madagascar	2.3	3.0	3.9	4.1	4.3	4.5	4.8	5.1	5.3
Malawi	2.7	3.4	4.4	4.6	4.8	5.0	5.3	5.5	5.8
Malaysia	7.0	9.4	12.0	12.6	13.1	13.7	14.3	14.9	15.6
Maldives	3.0	4.2	5.9	6.3	6.7	7.2	7.6	8.1	8.6
Mali	3.8	5.0	6.5	6.8	7.2	7.5	7.9	8.2	8.6
Malta	23.1	25.0	26.8	27.1	27.5	27.8	28.2	28.5	28.9
Marshall Islands	43.7	46.7	49.6	50.1	50.7	51.3	51.8	52.4	52.9
Mauritania	6.7	8.4	10.3	10.6	11.0	11.4	11.8	12.3	12.7
Mauritius	6.8	7.9	9.1	9.3	9.6	9.9	10.2	10.5	10.8
Mexico	20.8	23.3	25.8	26.3	26.8	27.3	27.8	28.3	28.9
Micronesia (Federated States of)	34.7	37.9	41.5	42.2	42.9	43.7	44.4	45.1	45.8
Mongolia	11.6	13.8	16.7	17.3	17.9	18.6	19.2	19.9	20.6
Montenegro	16.2	18.6	20.8	21.2	21.6	22.0	22.4	22.8	23.3
Morocco	16.7	19.2	22.1	22.8	23.4	24.1	24.7	25.4	26.1
Mozambique	3.7	4.6	5.7	5.9	6.1	6.4	6.7	6.9	7.2
Myanmar	2.2	3.0	4.0	4.3	4.6	4.8	5.1	5.4	5.8
Namibia	9.5	11.6	14.0	14.6	15.1	15.6	16.1	16.7	17.2
Nauru	55.1	57.0	58.9	59.3	59.6	60.0	60.3	60.7	61.0
Nepal	1.6	2.1	2.9	3.1	3.3	3.5	3.7	3.9	4.1
Netherlands	13.0	15.4	17.7	18.2	18.6	19.1	19.5	20.0	20.4
New Zealand	21.5	24.4	27.2	27.8	28.4	29.0	29.6	30.2	30.8
Nicaragua	15.6	17.9	20.4	20.9	21.5	22.0	22.5	23.1	23.7
Niger	2.5	3.2	4.1	4.3	4.5	4.8	5.0	5.2	5.5
Nigeria	4.0	5.2	6.7	7.0	7.4	7.7	8.1	8.5	8.9
North Macedonia	17.1	18.5	20.1	20.5	20.8	21.2	21.6	22.0	22.4
Norway	16.0	18.2	20.4	20.8	21.3	21.7	22.2	22.6	23.1

TABLE 48.
PREVALENCE OF OBESITY IN THE ADULT POPULATION (PERCENT) (CONTINUED)

COUNTRY	2000	2005	2010	2011	2012	2013	2014	2015	2016
Oman	18.0	20.0	23.1	23.7	24.3	24.9	25.6	26.3	27.0
Pakistan	3.9	5.1	6.5	6.8	7.1	7.5	7.8	8.2	8.6
Palau	45.0	48.2	51.8	52.4	53.1	53.7	54.2	54.8	55.3
Panama	14.7	17.2	19.6	20.1	20.6	21.1	21.6	22.2	22.7
Papua New Guinea	13.3	15.5	17.9	18.5	19.0	19.6	20.1	20.7	21.3
Paraguay	12.3	14.7	17.2	17.7	18.2	18.7	19.2	19.8	20.3
Peru	13.5	15.3	17.3	17.7	18.1	18.5	18.9	19.3	19.7
Philippines	3.3	4.1	5.0	5.2	5.4	5.7	5.9	6.2	6.4
Poland	17.5	19.1	20.8	21.2	21.5	21.9	22.3	22.7	23.1
Portugal	13.7	15.9	18.1	18.6	19.0	19.5	19.9	20.4	20.8
Qatar	26.2	28.7	31.1	31.8	32.4	33.1	33.8	34.5	35.1
Republic of Korea	2.9	3.4	3.9	4.0	4.1	4.3	4.4	4.5	4.7
Republic of Moldova	14.2	15.5	16.9	17.2	17.5	17.8	18.2	18.5	18.9
Romania	16.2	17.8	19.8	20.2	20.7	21.1	21.6	22.1	22.5
Russian Federation	19.0	20.2	21.4	21.7	21.9	22.2	22.5	22.8	23.1
Rwanda	2.3	3.2	4.2	4.5	4.7	5.0	5.3	5.6	5.8
Saint Kitts and Nevis	14.4	16.7	19.3	19.8	20.4	21.0	21.6	22.3	22.9
Saint Lucia	12.9	14.8	16.5	17.0	17.4	18.0	18.5	19.1	19.7
Saint Vincent and the Grenadines	14.6	17.2	20.0	20.6	21.2	21.8	22.4	23.1	23.7
Samoa	36.7	40.2	43.4	44.1	44.7	45.4	46.0	46.7	47.3
San Marino									
Sao Tome and Principe	6.3	8.0	10.0	10.3	10.7	11.2	11.6	12.0	12.4
Saudi Arabia	26.2	28.4	31.5	32.1	32.8	33.4	34.1	34.7	35.4
Senegal	4.7	5.8	7.1	7.3	7.6	7.9	8.2	8.5	8.8
Serbia	15.5	17.3	19.2	19.6	20.0	20.3	20.7	21.1	21.5
Seychelles	8.6	10.0	11.7	12.0	12.4	12.8	13.2	13.5	14.0
Sierra Leone	4.4	5.5	6.8	7.1	7.4	7.7	8.0	8.3	8.7
Singapore	4.4	4.9	5.4	5.5	5.6	5.7	5.8	6.0	6.1
Slovakia	15.5	16.9	18.4	18.8	19.1	19.4	19.8	20.1	20.5
Slovenia	15.1	16.5	18.1	18.4	18.8	19.1	19.5	19.8	20.2
Solomon Islands	13.5	15.9	18.7	19.3	19.9	20.6	21.2	21.9	22.5
Somalia	4.1	5.2	6.4	6.7	7.0	7.3	7.6	7.9	8.3
South Africa	19.7	22.3	25.1	25.6	26.1	26.7	27.2	27.8	28.3
South Sudan									
Spain	18.3	20.0	21.7	22.0	22.4	22.7	23.1	23.4	23.8
Sri Lanka	2.1	2.8	3.7	3.9	4.1	4.4	4.6	4.9	5.2
Sudan									
Suriname	18.9	21.2	23.5	24.0	24.4	24.9	25.4	25.9	26.4
Sweden	14.6	16.3	18.2	18.6	19.0	19.4	19.8	20.2	20.6
Switzerland	13.9	15.5	17.3	17.6	18.0	18.4	18.7	19.1	19.5
Syrian Arab Republic	18.2	20.7	23.8	24.4	25.1	25.8	26.4	27.1	27.8
Tajikistan	8.0	9.4	11.3	11.8	12.2	12.7	13.2	13.7	14.2
Thailand	3.7	5.0	7.0	7.4	7.9	8.4	8.9	9.4	10.0
Timor-Leste	1.4	1.9	2.6	2.8	2.9	3.1	3.3	3.6	3.8

TABLE 48.
PREVALENCE OF OBESITY IN THE ADULT POPULATION (PERCENT) (CONTINUED)

COUNTRY	2000	2005	2010	2011	2012	2013	2014	2015	2016
Togo	4.1	5.2	6.5	6.8	7.1	7.4	7.8	8.1	8.4
Tonga	37.0	40.6	44.1	44.7	45.4	46.1	46.8	47.5	48.2
Trinidad and Tobago	10.6	12.9	15.3	15.8	16.3	16.9	17.4	18.0	18.6
Tunisia	18.2	20.7	23.4	24.0	24.6	25.1	25.7	26.3	26.9
Türkiye	22.2	25.1	28.2	28.9	29.5	30.2	30.8	31.5	32.1
Turkmenistan	11.0	12.9	15.3	15.8	16.3	16.9	17.4	18.0	18.6
Tuvalu	39.3	43.1	47.0	47.8	48.6	49.4	50.1	50.9	51.6
Uganda	2.4	3.1	3.9	4.1	4.3	4.5	4.8	5.0	5.3
Ukraine	19.1	20.5	22.0	22.4	22.7	23.0	23.4	23.7	24.1
United Arab Emirates	21.8	24.5	27.7	28.3	29.0	29.7	30.3	31.0	31.7
United Kingdom of Great Britain and Northern Ireland	18.6	21.4	24.2	24.8	25.4	26.0	26.6	27.2	27.8
United Republic of Tanzania	3.8	4.9	6.3	6.6	6.9	7.3	7.6	8.0	8.4
United States of America	25.5	29.0	32.3	33.0	33.6	34.3	34.9	35.6	36.2
Uruguay	20.6	22.8	25.1	25.5	26.0	26.5	27.0	27.5	27.9
Uzbekistan	9.8	11.4	13.5	13.9	14.4	14.9	15.4	16.0	16.6
Vanuatu	15.6	18.4	21.3	22.0	22.6	23.2	23.9	24.5	25.2
Venezuela (Bolivarian Republic of)	19.4	21.4	23.3	23.7	24.0	24.4	24.8	25.2	25.6
Viet Nam	0.6	0.9	1.4	1.5	1.6	1.7	1.8	2.0	2.1
Yemen	8.8	11.0	13.5	14.1	14.6	15.2	15.9	16.5	17.1
Zambia	4.2	5.1	6.3	6.5	6.8	7.1	7.4	7.7	8.1
Zimbabwe	10.5	12.2	13.8	14.1	14.3	14.6	14.9	15.2	15.5

Source: FAO. 2022. FAOSTAT: Suite of Food Security Indicators. In: *FAO*. Rome. Cited October 2022.

<https://www.fao.org/faostat/en/#data/FS>

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	2020	2000	2010	2020	2000	2010	2020
World	4 158 049.5	4 106 316.9	4 058 930.8	4 878 013.5	4 794 148.2	4 744 459.5	3 968 717.3	4 095 681.0	4 199 838.1
Africa	710 048.8	676 015.4	636 639.0	1 090 710.3	1 139 823.4	1 123 959.3	1 164 063.4	1 163 918.4	1 231 488.0
Americas	1 674 994.0	1 624 344.3	1 596 895.8	1 151 753.7	1 137 243.0	1 121 961.8	1 041 159.9	1 104 780.3	1 145 673.0
Asia	587 410.0	610 959.9	622 686.8	1 677 907.4	1 659 329.3	1 669 006.4	844 197.4	840 052.3	817 799.1
Europe	1 002 268.2	1 013 982.4	1 017 461.2	484 645.0	467 738.6	461 375.7	726 986.4	731 531.1	729 906.6
Oceania	183 328.4	181 015.0	185 248.0	472 997.2	390 013.9	368 156.3	192 310.2	255 398.9	274 971.5
Afghanistan	1 208.4	1 208.4	1 208.4	37 753.0	37 911.0	38 356.0	26 261.6	26 103.6	25 658.6
Albania	769.3	782.1	788.9	1 144.0	1 201.3	1 165.6	826.7	756.6	783.8
Algeria	1 579.0	1 918.0	1 949.0	40 021.0	41 374.0	41 358.8	196 574.0	194 882.0	194 866.3
Andorra	16.0	16.0	16.0	23.0	19.8	18.7	8.0	11.2	12.3
Angola	77 708.6	72 158.0	66 607.4	46 961.4	52 512.0	56 952.5	0.0	0.0	1 110.1
Antigua and Barbuda	9.5	8.8	8.1	9.0	9.0	9.0	25.6	26.2	26.9
Argentina	33 378.0	30 214.0	28 573.0	128 510.0	126 267.9	108 381.8	111 781.0	117 187.1	136 714.2
Armenia	332.6	330.6	328.5	1 323.0	1 735.0	1 676.0	1 191.4	781.4	474.5
Australia	131 814.1	129 546.1	134 005.1	455 469.0	376 372.0	355 775.0	180 946.9	240 103.9	258 194.9
Austria	3 838.1	3 863.2	3 899.2	2 940.2	2 779.2	2 646.8	1 473.7	1 609.6	1 706.1
Azerbaijan	987.2	1 032.5	1 131.8	4 740.4	4 766.8	4 780.1	2 532.9	2 466.3	2 352.7
Bahamas	509.9	509.9	509.9	13.0	15.0	14.0	478.1	476.1	477.1
Bahrain	0.4	0.5	0.7	9.2	8.6	8.6	61.4	67.1	69.2
Bangladesh	1 920.3	1 888.3	1 883.4	9 400.0	9 241.0	9 901.0	1 696.7	1 887.7	1 232.6
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	8 767.6	9 252.0	8 898.0	8 281.0	2 759.8	2 762.2	3 246.4
Belgium	667.3	689.9	689.3	1 389.6	1 355.7	1 364.6	971.1	982.4	974.1
Belize	1 459.3	1 391.4	1 277.1	149.0	157.0	172.0	672.7	732.6	832.0
Benin	4 135.2	3 635.2	3 135.2	3 195.0	3 650.0	3 950.0	3 945.9	3 990.9	4 190.9
Bhutan	2 606.0	2 705.3	2 725.1	578.0	520.0	513.0	796.0	586.4	575.9
Bolivia (Plurinational State of)	55 101.4	53 086.0	50 833.8	37 143.0	37 516.0	37 787.0	16 085.6	17 728.0	19 709.2
Bosnia and Herzegovina	2 111.7	2 102.7	2 187.9	2 130.0	2 144.0	2 216.0	878.4	873.3	716.1
Botswana	17 620.7	16 437.7	15 254.7	25 951.0	25 861.0	25 862.0	13 101.3	14 374.3	15 556.3
Brazil	551 088.6	511 580.7	496 619.6	228 323.5	231 834.2	236 878.8	56 401.9	92 399.1	102 315.6
Brunei Darussalam	397.0	380.0	380.0	10.0	13.4	13.4	120.0	133.6	133.6
Bulgaria	3 375.0	3 737.0	3 893.0	5 582.0	5 052.0	5 047.0	2 106.0	2 067.0	1 916.0
Burkina Faso	7 216.5	6 716.5	6 216.4	9 770.0	12 143.0	12 143.0	10 373.5	8 500.5	9 000.6
Burundi	193.9	193.9	279.6	1 867.0	1 833.0	2 033.0	507.1	541.1	255.4
Cabo Verde	39.7	42.7	45.7	71.0	78.0	79.0	292.3	282.3	278.3
Cambodia	10 781.0	10 589.2	8 068.4	4 770.0	5 455.0	5 789.0	2 101.0	1 607.8	3 794.6
Cameroon	21 597.5	20 900.5	20 340.5	9 160.0	9 700.0	9 750.0	16 513.5	16 670.5	17 180.5
Canada	347 802.0	347 322.2	346 928.1	61 287.0	58 280.0	57 743.0	487 470.0	490 956.8	490 326.9
Central African Republic	22 903.0	22 603.0	22 303.0	5 149.0	5 114.0	5 080.0	34 246.0	34 581.0	34 915.0
Chad	6 353.0	5 530.0	4 313.0	48 630.0	49 235.0	50 238.0	70 937.0	71 155.0	71 369.0

TABLE 49.
LAND AREA BY TYPE (THOUSAND HA) (CONTINUED)

COUNTRY	FOREST LAND			AGRICULTURAL LAND			OTHER LAND		
	2000	2010	2020	2000	2010	2020	2000	2010	2020
Chile	15 817.1	16 725.3	18 210.7	15 110.0	15 743.0	15 710.0	43 426.1	41 884.9	40 432.5
China	177 000.6	200 610.4	219 978.2	523 731.0	528 916.8	528 508.1	241 738.5	212 942.9	193 984.0
Colombia	62 735.5	60 807.8	59 141.9	44 859.0	42 503.0	48 242.8	3 355.5	7 639.2	3 565.3
Comoros	41.7	37.3	32.9	133.0	133.0	131.0	11.4	15.8	22.2
Congo	22 195.0	22 075.0	21 946.0	10 540.0	10 576.0	10 628.0	1 415.0	1 499.0	1 576.0
Costa Rica	2 857.2	2 871.2	3 034.9	1 840.0	1 819.0	1 761.5	408.8	415.8	309.6
Côte d'Ivoire	5 094.5	3 965.6	2 836.7	19 600.0	20 600.0	21 200.0	7 105.6	7 234.4	7 763.3
Croatia	1 885.0	1 920.0	1 939.1	1 169.0	1 333.8	1 505.0	2 537.2	2 342.6	2 009.9
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	134.1	610.9	636.7	616.9
Czechia	2 637.3	2 657.4	2 677.1	4 280.0	3 523.9	3 523.9	809.7	1 541.7	1 518.9
Democratic People's Republic of Korea	6 454.7	6 242.4	6 030.1	2 550.0	2 680.0	2 590.0	3 036.3	3 118.6	3 420.9
Democratic Republic of the Congo	143 899.0	137 169.0	126 155.2	25 600.0	28 429.0	33 572.0	57 206.0	61 107.0	66 977.8
Denmark	571.6	586.5	628.4	2 647.0	2 626.0	2 620.0	781.4	787.5	751.6
Djibouti	5.6	5.6	5.8	1 601.0	1 701.6	1 702.0	711.4	610.8	610.2
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	2 144.1	2 515.0	2 397.0	2 429.0	343.5	360.9	257.9
Ecuador	13 730.5	13 028.2	12 497.8	8 066.0	7 497.7	5 420.0	3 039.5	4 310.1	6 918.2
Egypt	59.2	65.6	45.0	3 291.0	3 671.0	3 971.0	96 194.8	95 808.4	95 529.0
El Salvador	673.9	628.9	583.9	1 375.2	1 267.5	1 195.7	22.9	175.6	292.4
Equatorial Guinea	2 615.6	2 532.0	2 448.4	212.9	193.5	188.5		79.5	168.1
Eritrea	1 118.5	1 086.9	1 055.3	7 530.0	7 592.0	7 592.0	1 451.5	3 427.7	3 456.8
Estonia	2 238.9	2 336.0	2 438.4	986.0	948.8	985.0	1 014.1	954.2	851.6
Eswatini	473.3	485.4	497.6	1 223.0	1 222.0	1 222.0	23.7	12.6	0.4
Ethiopia	18 528.5	17 798.5	17 068.5	30 662.0	35 683.0	38 476.1	50 809.5	59 375.6	57 312.5
Fiji	1 006.5	1 073.2	1 140.0	371.8	319.1	311.6	448.7	434.7	375.4
Finland	22 445.6	22 242.0	22 409.0	2 218.0	2 291.9	2 270.0	5 795.4	5 856.1	5 715.0
France	15 288.0	16 419.0	17 253.0	29 807.4	28 926.3	28 553.8	9 661.3	9 410.4	8 948.9
Gabon	23 700.0	23 649.4	23 530.6	2 067.0	2 117.6	2 212.6	0.0	0.0	23.8
Gambia	357.3	300.0	242.7	552.0	615.0	605.0	102.7	97.0	164.3
Georgia	2 760.6	2 822.4	2 822.4	3 000.0	2 460.0	2 377.9	1 188.4	1 666.6	1 748.7
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	5 206.0
Ghana	8 848.6	7 942.9	7 985.7	13 094.6	12 744.3	12 603.7	810.8	2 066.8	2 163.9
Greece	3 600.2	3 901.8	3 901.8	8 529.0	7 489.0	5 867.2	760.8	1 499.2	3 113.8
Grenada	17.7	17.7	17.7	12.0	8.0	8.0	4.3	8.3	8.3
Guatemala	4 209.2	3 722.6	3 527.8	4 761.7	3 962.1	3 856.0	1 745.1	3 031.3	3 332.2
Guinea	6 929.0	6 569.0	6 189.0	14 079.0	14 300.0	14 500.0	3 564.0	3 703.0	3 883.0
Guinea-Bissau	2 148.9	2 064.4	1 980.0	663.1	747.6	815.1	0.0	0.0	16.9
Guyana	18 564.2	18 519.8	18 415.3	1 120.8	1 165.2	1 241.3	0.0	0.0	28.4
Haiti	380.7	378.4	347.3	1 690.0	1 870.0	1 840.0	685.4	507.6	568.7

TABLE 49.
LAND AREA BY TYPE (THOUSAND HA) (CONTINUED)

COUNTRY	FOREST LAND			AGRICULTURAL LAND			OTHER LAND		
	2000	2010	2020	2000	2010	2020	2000	2010	2020
Honduras	6 778.3	6 575.5	6 359.3	2 935.0	3 270.0	3 511.0	1 475.7	1 343.5	1 318.7
Hungary	1 921.2	2 046.4	2 053.0	5 854.0	5 343.0	4 903.0	1 186.8	1 663.6	2 056.0
Iceland	29.8	44.7	51.4	1 889.0	1 874.0	1 872.0	8 106.2	8 106.3	8 159.7
India	67 591.0	69 496.0	72 160.0	180 975.0	179 573.0	179 045.1	48 753.0	48 250.0	46 113.9
Indonesia	101 280.0	99 659.2	92 133.2	47 177.0	55 600.0	62 300.0	39 294.9	32 492.7	33 318.7
Iran (Islamic Republic of)	9 325.7	10 692.0	10 751.9	62 884.0	46 539.4	47 013.0	90 666.3	105 644.6	104 485.1
Iraq	818.0	825.0	825.0	8 300.0	8 220.0	9 250.0	34 619.0	34 387.0	33 337.8
Ireland	630.4	720.4	782.0	4 412.0	4 568.0	4 512.0	1 846.6	1 600.6	1 595.0
Israel	153.0	154.0	140.0	566.0	504.5	646.4	1 445.0	1 505.5	1 377.6
Italy	8 369.3	9 028.0	9 566.1	15 637.0	14 327.8	12 999.0	5 565.6	6 216.0	6 976.6
Jamaica	521.0	558.5	596.9	479.0	444.0	444.0	83.0	80.6	42.1
Japan	24 876.0	24 966.0	24 935.0	5 258.0	4 593.0	4 372.0	6 316.0	6 891.0	7 143.0
Jordan	97.5	97.5	97.5	1 069.0	1 002.3	1 029.0	7 657.5	7 778.2	7 752.9
Kazakhstan	3 156.9	3 082.2	3 454.7	215 393.3	217 161.8	214 003.2	51 419.8	49 726.0	52 512.1
Kenya	3 961.2	3 616.3	3 611.1	26 671.0	27 320.0	27 630.0	26 281.8	25 977.7	25 672.9
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	1 315.4	10 714.0	10 611.9	10 367.8	7 285.1	7 338.4	7 496.8
Lao People's Democratic Republic	17 425.0	16 940.5	16 595.5	1 806.0	2 220.0	2 029.0	3 849.0	3 919.5	4 455.5
Latvia	3 241.0	3 372.1	3 410.8	1 588.0	1 805.0	1 969.0	1 393.7	1 045.6	843.2
Lebanon	138.2	137.4	143.3	595.0	640.0	669.7	289.8	245.7	210.0
Lesotho	34.5	34.5	34.5	2 334.0	2 326.0	2 600.0	667.5	675.5	401.5
Liberia	8 222.6	7 920.0	7 617.4	1 409.4	1 712.0	1 954.0	0.0	0.0	60.5
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	2 201.0	3 418.0	2 772.3	2 942.8	830.0	1 325.2	1 118.2
Luxembourg	86.7	88.7	88.7	128.0	131.0	132.1	28.3	37.7	36.6
Madagascar	13 030.7	12 562.0	12 429.8	40 500.0	40 895.0	40 895.0	4 623.3	4 697.0	4 855.2
Malawi	3 081.7	2 661.7	2 241.7	4 730.0	5 685.0	5 650.0	1 616.3	1 081.3	1 536.3
Malaysia	19 691.4	18 947.7	19 114.0	6 938.7	7 389.3	8 571.0	6 225.0	6 518.1	5 154.5
Maldives	0.8	0.8	0.8	9.0	6.9	6.4	20.2	22.3	22.8
Mali	13 296.0	13 296.0	13 296.0	38 600.0	41 051.0	41 201.0	70 123.0	67 672.0	67 522.0
Malta	0.4	0.4	0.5	9.0	10.3	10.4	22.7	21.3	21.2
Marshall Islands	9.4	9.4	9.4	12.0	13.0	8.6			0.0
Mauritania	421.6	367.2	312.8	39 750.0	39 711.0	39 661.0	62 898.4	62 991.8	63 096.2
Mauritius	41.9	38.4	38.8	101.0	91.0	86.0	60.1	73.6	78.2
Mexico	68 381.4	66 943.3	65 692.1	106 330.0	101 807.0	97 138.0	19 683.7	25 644.7	31 564.9
Micronesia (Federated States of)	63.9	64.1	64.4	22.5	22.0	22.0			
Mongolia	14 263.9	14 183.9	14 172.8	130 470.0	114 210.0	112 699.5	10 010.0	27 335.3	28 790.7
Montenegro		827.0	827.0		512.0	258.0		6.0	260.1
Morocco	5 506.5	5 674.6	5 742.5	30 652.0	29 988.3	30 382.0	8 471.5	8 967.1	8 417.6

TABLE 49.
LAND AREA BY TYPE (THOUSAND HA) (CONTINUED)

COUNTRY	FOREST LAND			AGRICULTURAL LAND			OTHER LAND		
	2000	2010	2020	2000	2010	2020	2000	2010	2020
Mozambique	41 188.0	38 972.1	36 743.8	37 450.0	39 665.9	41 413.8	0.0	0.0	480.4
Myanmar	34 868.1	31 441.0	28 543.9	10 812.0	12 526.0	13 008.0	19 673.9	21 359.0	23 715.1
Namibia	8 059.1	7 349.0	6 638.9	38 820.0	38 809.0	38 810.0	35 449.9	36 171.0	36 880.1
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	4 121.0	4 305.1	4 247.0	4 252.0
Netherlands	359.5	373.5	369.5	1 958.1	1 872.3	1 814.5	1 058.4	1 127.2	1 183.1
New Zealand	9 850.4	9 848.1	9 892.6	15 413.0	11 408.0	10 154.0	1 067.6	5 074.9	6 284.4
Nicaragua	5 399.3	4 188.2	3 407.5	5 141.0	5 026.0	5 065.0	1 493.7	2 819.9	3 561.5
Niger	1 328.1	1 203.9	1 079.7	37 000.0	43 982.0	46 597.0	88 341.9	81 484.1	78 993.3
Nigeria	24 893.0	23 260.0	21 627.0	66 184.0	67 817.0	69 450.1	0.0	0.0	0.0
North Macedonia	957.6	960.4	1 001.5	1 235.0	1 119.0	1 262.0	350.5	442.6	258.5
Norway	12 113.0	12 102.0	12 180.0	1 042.0	1 005.9	986.0	23 369.4	23 416.5	23 262.5
Oman	3.0	3.0	2.5	1 173.0	1 443.2	1 458.9	29 774.0	29 503.8	29 488.6
Pakistan	4 511.3	4 093.7	3 725.9	36 698.0	35 242.0	36 723.0	35 878.7	37 752.3	36 639.1
Palau	39.6	40.6	41.4	4.3	4.3	4.3	2.1	1.1	0.3
Panama	4 442.1	4 328.0	4 213.8	2 230.0	2 266.4	2 174.1	761.9	839.6	1 030.1
Papua New Guinea	36 278.0	36 178.9	35 855.8	1 005.0	1 190.0	1 190.0	8 003.0	7 917.1	8 240.2
Paraguay	22 991.7	19 570.2	16 102.3	15 095.1	16 045.1	16 809.1	1 643.2	4 114.7	6 818.6
Peru	75 297.8	74 049.8	72 330.4	23 231.3	24 794.3	24 478.3	29 470.9	29 155.9	31 191.3
Philippines	7 309.3	6 839.7	7 188.6	11 234.0	12 100.0	12 675.0	11 273.7	10 877.3	9 953.4
Poland	9 059.0	9 329.0	9 483.0	18 413.0	14 449.0	14 461.0	3 157.0	6 850.0	6 448.0
Portugal	3 281.0	3 252.0	3 312.0	3 956.4	3 654.2	3 872.8	1 912.6	2 252.8	727.1
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	6 287.0	1 973.0	1 773.0	1 621.0	1 197.0	1 560.0	1 852.0
Republic of Moldova	344.4	374.5	386.5	2 544.0	2 465.0	2 264.6	399.6	445.5	616.5
Romania	6 366.0	6 515.0	6 929.1	14 857.0	14 156.0	13 591.0	1 748.0	2 334.0	2 488.0
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	276.0	1 670.0	1 803.9	1 811.7	510.0	398.1	379.3
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	161.7	48.0	41.5	49.4	63.7	75.0	66.9
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	51.9	49.0	46.0	44.0			0.1
Saudi Arabia	977.0	977.0	977.0	173 785.0	173 406.0	173 595.9	40 207.0	40 586.0	40 396.1
Senegal	8 853.2	8 468.2	8 068.2	9 027.0	9 458.0	8 878.0	1 372.8	1 326.8	2 306.8
Serbia		2 713.0	2 722.7		3 521.6	3 504.0		2 511.4	2 519.4
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	2 534.9	2 810.0	3 930.4	3 949.0	1 478.6	555.5	734.1
Singapore	17.0	17.7	15.6	1.2	0.7	0.7	48.8	51.7	55.6

TABLE 49.
LAND AREA BY TYPE (THOUSAND HA) (CONTINUED)

COUNTRY	FOREST LAND			AGRICULTURAL LAND			OTHER LAND		
	2000	2010	2020	2000	2010	2020	2000	2010	2020
Slovakia	1 901.4	1 917.9	1 925.9	2 440.0	1 944.7	1 883.0	468.6	946.5	946.1
Slovenia	1 233.0	1 247.0	1 237.8	518.0	623.9	610.5	263.0	143.8	161.1
Solomon Islands	2 537.6	2 530.3	2 523.0	76.0	107.0	117.0	185.4	161.7	159.0
Somalia	7 515.0	6 747.5	5 980.0	44 067.0	44 128.0	44 125.0	11 152.0	11 858.5	12 629.0
South Africa	17 778.1	17 414.1	17 050.1	98 125.0	96 891.0	96 341.0	5 405.9	7 003.9	7 917.9
South Sudan			7 157.0			28 251.0			27 785.0
Spain	17 093.9	18 545.3	18 572.2	29 766.0	27 545.0	26 142.6	3 040.1	3 910.7	5 240.9
Sri Lanka	2 166.4	2 103.6	2 113.0	2 350.0	2 620.0	2 812.0	1 754.6	1 547.4	1 244.0
Sudan			18 359.6			69 405.8			99 034.6
Suriname	15 340.9	15 299.9	15 196.3	88.0	78.3	84.0	171.1	221.8	319.7
Sweden	28 163.0	28 073.0	27 980.0	2 974.1	3 073.7	3 005.5	9 596.9	9 587.3	9 614.8
Switzerland	1 196.2	1 234.7	1 269.1	1 566.0	1 534.6	1 504.2	1 190.2	1 182.3	1 151.5
Syrian Arab Republic	432.1	492.1	522.1	13 711.0	13 908.0	13 921.0	4 234.9	3 962.9	3 919.9
Tajikistan	410.0	410.0	423.8	4 573.0	4 755.7	4 916.0	9 013.0	8 830.3	8 539.2
Thailand	18 998.0	20 073.0	19 873.0	19 834.0	21 060.0	23 010.0	12 257.0	9 956.0	8 206.0
Timor-Leste	949.1	935.1	921.1	337.0	338.0	341.4	200.9	213.9	224.5
Togo	1 268.5	1 238.9	1 209.3	3 400.0	3 665.0	3 820.0	770.5	535.1	409.7
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	228.2	67.0	54.0	54.0	209.4	226.6	230.8
Tunisia	667.9	687.4	702.7	9 551.0	10 038.0	9 731.0	5 317.2	4 810.6	5 102.3
Türkiye	20 148.4	21 083.1	22 220.4	40 479.0	39 012.0	37 762.0	16 335.7	16 867.9	16 980.6
Turkmenistan	4 127.0	4 127.0	4 127.0	35 500.0	34 000.0	33 838.0	7 366.0	8 866.0	9 028.0
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	2 337.9	12 512.0	14 265.0	14 415.0	4 306.1	3 036.6	3 299.1
Ukraine	9 510.0	9 548.0	9 690.0	41 406.0	41 267.0	41 311.0	7 019.0	7 117.0	6 358.0
United Arab Emirates	309.4	317.3	317.3	547.0	392.3	389.8	6 245.6	6 392.4	6 394.9
United Kingdom of Great Britain and Northern Ireland	2 954.0	3 059.0	3 190.0	16 964.0	17 224.0	17 259.3	4 275.0	3 910.0	3 440.6
United Republic of Tanzania	53 670.0	49 950.0	45 745.0	34 000.0	37 399.0	39 521.2	910.0	1 231.0	3 313.8
United States of America	303 536.0	308 720.0	309 795.0	414 399.0	406 991.7	405 810.4	198 257.0	199 030.3	199 136.6
Uruguay	1 369.0	1 731.3	2 031.0	14 958.0	14 433.0	14 063.4	1 175.0	1 337.7	1 407.6
Uzbekistan	2 961.5	3 349.6	3 689.7	27 328.0	25 598.0	25 682.5	13 307.0	14 641.6	14 692.8
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	46 230.9	21 635.0	21 500.0	21 500.0	17 419.0	19 200.0	20 474.1
Viet Nam	11 784.1	13 388.1	14 643.1	8 780.0	10 760.1	12 360.0	10 541.9	7 181.2	4 339.8
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	44 814.0	22 498.0	23 436.0	23 836.0	4 787.0	4 207.0	5 689.0
Zimbabwe	18 366.0	17 905.3	17 444.6	15 060.0	16 200.0	16 200.0	5 259.0	4 579.7	5 040.4

Source: FAO. 2022. FAOSTAT: Land Use. In: FAO. Rome. Cited October 2022. <http://www.fao.org/faostat/en/#data/RL>

TABLE 50.
SHARE OF FOREST AREA IN TOTAL LAND AREA (PERCENT)

COUNTRY	2000	2005	2010	2015	2016	2017	2018	2019	2020
World	32.0	31.7	31.5	31.3	31.3	31.3	31.2	31.2	31.2
Africa	24.0	23.3	22.7	21.9	21.8	21.7	21.5	21.4	21.3
Americas	43.3	42.7	42.0	41.7	41.6	41.5	41.4	41.4	41.3
Asia	18.9	19.3	19.6	19.8	19.9	19.9	19.9	20.0	20.0
Europe	45.3	45.5	45.8	45.9	45.9	45.9	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	55.2	54.8	54.3	53.9	53.4
Antigua and Barbuda	21.5	20.7	20.0	19.2	19.1	18.9	18.8	18.6	18.5
Argentina	12.2	11.6	11.0	10.6	10.6	10.6	10.5	10.5	10.4
Armenia	11.7	11.7	11.6	11.6	11.6	11.6	11.6	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	47.1	47.1	47.2	47.2	47.3
Azerbaijan	12.0	12.2	12.5	13.0	13.2	13.3	13.4	13.6	13.7
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	0.8	0.8	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	42.9	43.0	43.1	43.1	43.2
Belgium	22.0	22.4	22.8	22.8	22.8	22.8	22.8	22.8	22.8
Belize	64.0	62.5	61.0	58.4	57.9	57.5	57.0	56.5	56.0
Benin	36.7	34.5	32.2	30.0	29.6	29.1	28.7	28.3	27.8
Bhutan	65.5	69.7	71.0	71.2	71.2	71.3	71.4	71.4	71.5
Bolivia (Plurinational State of)	50.9	49.9	49.0	48.0	47.8	47.5	47.3	47.1	46.9
Bosnia and Herzegovina	41.2	41.2	41.1	42.2	42.5	42.7	42.7	42.7	42.7
Botswana	31.1	30.1	29.0	28.0	27.8	27.5	27.3	27.1	26.9
Brazil	65.9	63.6	61.2	60.3	60.1	59.8	59.7	59.6	59.4
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	35.4	35.5	35.6	35.7	35.9
Burkina Faso	26.4	25.5	24.6	23.6	23.5	23.3	23.1	22.9	22.7
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	11.1	11.1	11.2	11.3	11.3
Cambodia	61.1	60.5	60.0	50.1	49.2	48.4	47.5	46.6	45.7
Cameroon	45.7	45.0	44.2	43.6	43.5	43.4	43.3	43.2	43.0
Canada	38.8	38.8	38.7	38.7	38.7	38.7	38.7	38.7	38.7
Central African Republic	36.8	36.5	36.3	36.0	36.0	35.9	35.9	35.9	35.8
Chad	5.1	4.7	4.4	3.9	3.8	3.7	3.6	3.5	3.4
Chile	21.3	21.9	22.5	23.7	23.8	24.0	24.2	24.3	24.5
China	18.8	20.0	21.3	22.3	22.5	22.7	22.9	23.1	23.3
Colombia	56.5	55.7	54.8	54.2	54.0	53.8	53.7	53.5	53.3
Comoros	22.4	21.2	20.0	18.9	18.6	18.4	18.2	17.9	17.7

TABLE 50.
SHARE OF FOREST AREA IN TOTAL LAND AREA (PERCENT) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2016	2017	2018	2019	2020
Congo	65.0	64.8	64.6	64.5	64.4	64.4	64.4	64.3	64.3
Costa Rica	56.0	56.1	56.2	57.8	58.2	58.5	58.8	59.1	59.4
Côte d'Ivoire	16.0	14.3	12.5	10.7	10.3	10.0	9.6	9.3	8.9
Croatia	33.7	34.0	34.3	34.3	34.4	34.5	34.6	34.6	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	34.6	34.6	34.7	34.7
Democratic People's Republic of Korea	53.6	52.7	51.8	51.0	50.8	50.6	50.4	50.3	50.1
Democratic Republic of the Congo	63.5	62.0	60.5	58.1	57.6	57.1	56.6	56.1	55.7
Denmark	14.3	14.5	14.7	15.6	15.6	15.6	15.7	15.7	15.7
Djibouti	0.2	0.2	0.2	0.2	0.2	0.2	0.2	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	43.7	43.9	44.1	44.2	44.4
Ecuador	55.3	53.9	52.5	51.6	51.4	51.1	50.8	50.6	50.3
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	29.1	28.8	28.6	28.4	28.2
Equatorial Guinea	93.3	91.8	90.3	88.8	88.5	88.2	87.9	87.6	87.3
Eritrea	11.1	9.1	9.0	8.9	8.8	8.8	8.8	8.7	8.7
Estonia	52.8	54.0	55.1	55.7	55.7	57.0	57.0	57.0	57.0
Eswatini	27.5	27.9	28.2	28.6	28.7	28.7	28.8	28.9	28.9
Ethiopia	18.5	16.1	15.8	15.5	15.4	15.3	15.3	15.2	15.1
Fiji	55.1	56.9	58.7	60.6	60.9	61.3	61.7	62.0	62.4
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	30.9	31.1	31.2	31.4	31.5
Gabon	92.0	91.9	91.8	91.6	91.5	91.5	91.4	91.4	91.3
Gambia	35.3	32.5	29.6	26.8	26.3	25.7	25.1	24.6	24.0
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	34.8	35.0	35.0	35.1	35.1
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	33.4	33.3	33.1	33.0	32.9
Guinea	28.2	27.5	26.7	26.0	25.8	25.7	25.5	25.4	25.2
Guinea-Bissau	76.4	74.9	73.4	71.9	71.6	71.3	71.0	70.7	70.4
Guyana	94.3	94.2	94.1	93.8	93.7	93.7	93.6	93.6	93.6
Haiti	13.8	13.8	13.7	13.2	13.1	12.9	12.8	12.7	12.6
Honduras	60.6	59.7	58.8	57.8	57.6	57.4	57.2	57.0	56.8
Hungary	21.4	22.1	22.6	22.6	22.6	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	23.9	24.0	24.1	24.2	24.3
Indonesia	53.9	53.5	53.1	50.6	50.7	50.0	49.7	49.4	49.1
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	11.1	11.2	11.2	11.3	11.4

TABLE 50.
SHARE OF FOREST AREA IN TOTAL LAND AREA (PERCENT) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2016	2017	2018	2019	2020
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	31.6	31.8	32.0	32.2	32.4
Jamaica	48.1	49.8	51.6	53.3	53.7	54.0	54.4	54.8	55.1
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	1.2	1.3	1.3	1.3	1.3
Kenya	7.0	6.7	6.4	6.2	6.2	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	6.6	6.6	6.7	6.8	6.9
Lao People's Democratic Republic	75.5	74.5	73.4	72.7	72.5	72.4	72.2	72.1	71.9
Latvia	52.1	53.1	54.2	54.5	54.6	54.6	54.7	54.8	54.8
Lebanon	13.5	13.5	13.4	13.7	13.8	13.8	13.9	14.0	14.0
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	80.3	80.0	79.7	79.4	79.1
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	35.0	35.1	35.1	35.1	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	21.5	21.4	21.4	21.4	21.4
Malawi	32.7	30.5	28.2	26.0	25.6	25.1	24.7	24.2	23.8
Malaysia	59.9	58.8	57.7	59.2	58.8	58.6	58.5	58.3	58.2
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	1.2	1.3	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	18.9	18.9	19.0	19.1	19.1	19.1
Mexico	35.2	34.8	34.4	34.1	34.1	34.0	33.9	33.9	33.8
Micronesia (Federated States of)	91.2	91.4	91.6	91.8	91.9	91.9	91.9	92.0	92.0
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	12.8	12.8	12.9
Mozambique	52.4	51.0	49.6	48.3	47.9	47.6	47.3	47.0	46.7
Myanmar	53.4	50.7	48.1	45.9	45.5	45.1	44.6	44.2	43.7
Namibia	9.8	9.4	8.9	8.5	8.4	8.3	8.2	8.2	8.1
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	10.7	10.9	11.1	10.8	10.9	10.9	10.9	11.0	11.0
New Zealand	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.5	37.6
Nicaragua	44.9	39.8	34.8	32.5	31.6	30.8	30.0	29.2	28.3
Niger	1.1	1.0	1.0	0.9	0.9	0.9	0.9	0.9	0.9
Nigeria	27.3	26.4	25.5	24.6	24.5	24.3	24.1	23.9	23.8
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	33.3	33.3	33.4

TABLE 50.
SHARE OF FOREST AREA IN TOTAL LAND AREA (PERCENT) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2016	2017	2018	2019	2020
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	5.0	5.0	4.9	4.9	4.8
Palau	86.0	87.1	88.2	89.1	89.3	89.5	89.7	89.9	90.0
Panama	59.8	59.0	58.2	57.6	57.5	57.3	57.1	57.0	56.8
Papua New Guinea	80.1	80.0	79.9	79.6	79.5	79.4	79.3	79.3	79.2
Paraguay	57.9	53.6	49.3	44.0	43.6	42.6	41.9	41.2	40.5
Peru	58.8	58.3	57.9	57.2	57.0	56.9	56.8	56.6	56.5
Philippines	24.5	23.7	22.9	23.5	23.6	23.8	23.9	24.0	24.1
Poland	29.6	30.0	30.5	30.8	30.8	30.9	30.9	30.9	31.0
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	64.9	64.8	64.7	64.5	64.4
Republic of Moldova	10.5	10.9	11.4	11.8	11.8	11.8	11.8	11.8	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	11.0	11.1	11.1	11.2	11.2
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	57.8	58.7	58.5	58.3	58.2
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	56.7	56.0	55.4	54.7	54.1
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	42.7	42.5	42.3	42.1	41.9
Serbia			31.0	31.1	31.1	31.1	31.1	31.1	31.1
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	36.2	35.9	35.7	35.4	35.1
Singapore	25.4	25.2	25.3	23.2	23.0	22.6	22.3	22.0	21.7
Slovakia	39.5	39.7	39.9	40.0	40.0	40.1	40.1	40.1	40.1
Slovenia	61.2	61.6	61.9	62.0	61.9	61.8	61.7	61.6	61.5
Solomon Islands	90.7	90.5	90.4	90.3	90.2	90.2	90.2	90.2	90.1
Somalia	12.0	11.4	10.8	10.1	10.0	9.9	9.8	9.7	9.5
South Africa	14.7	14.5	14.4	14.2	14.2	14.2	14.1	14.1	14.1
South Sudan				11.3	11.3	11.3	11.3	11.3	11.3
Spain	34.3	35.7	37.1	37.1	37.1	37.2	37.2	37.2	37.2
Sri Lanka	34.6	34.1	33.6	34.4	34.3	34.3	34.3	34.2	34.2
Sudan				10.3	10.2	10.1	10.0	9.9	9.8
Suriname	98.3	98.2	98.1	97.8	97.7	97.7	97.6	97.5	97.4
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	31.8	31.9	31.9	32.0	32.1
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	3.0	3.0	3.1	3.1
Thailand	37.2	38.2	39.3	39.3	39.2	39.1	39.0	39.0	38.9
Timor-Leste	63.8	63.4	62.9	62.4	62.3	62.3	62.1	62.0	61.9

TABLE 50.
SHARE OF FOREST AREA IN TOTAL LAND AREA (PERCENT) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2016	2017	2018	2019	2020
Togo	23.3	23.1	22.8	22.5	22.5	22.4	22.3	22.3	22.2
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	44.8	44.7	44.7	44.6	44.5
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	28.1	28.3	28.5	28.7	28.9
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	12.5	12.3	12.1	11.9	11.7
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	13.1	13.1	13.2	13.2
United Republic of Tanzania	60.6	58.5	56.4	54.3	53.8	53.2	52.7	52.2	51.6
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	11.1	11.2	11.4	11.5	11.6
Uzbekistan	6.8	7.2	7.7	8.1	8.1	8.2	8.3	8.3	8.4
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	52.8	52.6	52.5	52.5	52.4
Viet Nam	37.9	40.2	42.7	44.9	45.9	46.0	46.2	46.5	46.7
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	61.3	61.0	60.8	60.5	60.3
Zimbabwe	47.5	46.9	46.3	45.7	45.6	45.5	45.3	45.2	45.1

Source: FAO. 2022. FAOSTAT: Land use indicators. In: *FAO*. Rome. Cited October 2022. <http://www.fao.org/faostat/en/#data/EL>

TABLE 51.
PRIMARY CROPS HARVESTED AREA BY COMMODITY GROUP, 2020 (THOUSAND HA)

COUNTRY	CEREALS	OIL CROPS	FRUIT	ROOTS AND TUBERS	VEGETABLES	SUGAR CROPS	OTHER	TOTAL
World	736 009	331 909	64 859	63 538	58 298	31 020	163 872	1 449 506
Africa	126 516	51 888	13 440	38 953	10 218	1 901	49 864	292 781
Americas	130 272	118 266	9 104	4 104	3 189	14 216	22 756	301 908
Asia	341 834	117 665	34 524	15 591	41 495	11 596	82 426	645 131
Europe	121 138	41 231	7 187	4 571	3 234	2 889	6 767	187 018
Oceania	16 248	2 859	605	318	162	418	2 058	22 669
Afghanistan	3 044	155	299	54	187	2	128	3 869
Albania	131	50	38	10	35	1	28	292
Algeria	2 890	456	538	149	315	0	147	4 495
Andorra								
Angola	2 678	469	252	1 169	204	20	974	5 768
Antigua and Barbuda	0	1	1	0	0	0	0	2
Argentina	16 609	19 218	463	118	182	502	1 012	38 103
Armenia	118	0	56	21	21	4	4	222
Australia	16 125	2 160	268	29	61	366	1 846	20 854
Austria	765	166	56	24	16	26	21	1 075
Azerbaijan	979	126	134	57	67	5	70	1 438
Bahamas	0	0	3	1	3	2	0	10
Bahrain	0	0	3	0	0	0	0	4
Bangladesh	12 234	507	526	486	725	95	2 008	16 581
Barbados	0	0	1	0	1	2	1	5
Belarus	2 374	376	87	253	58	83	189	3 420
Belgium	304	8	20	97	65	57	25	577
Belize	32	12	20	0	2	40	10	116
Benin	1 538	1 069	59	586	113	1	739	4 106
Bhutan	30	1	7	6	8	0	15	67
Bolivia (Plurinational State of)	1 440	1 672	147	230	80	180	199	3 948
Bosnia and Herzegovina	321	18	158	39	137	0	21	694
Botswana	157	3	3	10	5	0	43	220
Brazil	23 892	39 686	2 082	1 416	345	10 014	6 372	83 807
Brunei Darussalam	1	0	2	1	6	0	4	14
Bulgaria	1 966	952	67	10	17	0	38	3 050
Burkina Faso	4 377	1 717	17	23	32	5	1 605	7 777
Burundi	355	30	230	434	52	3	1 060	2 163
Cabo Verde	28	2	1	1	1	3	33	68
Cambodia	3 093	208	61	267	98	95	404	4 225
Cameroon	2 247	1 061	474	744	760	137	1 590	7 013
Canada	15 937	10 965	86	144	89	15	3 739	30 974
Central African Republic	167	263	70	357	13	22	109	1 000
Chad	3 324	1 405	38	126	10	5	277	5 185
Chile	442	69	406	46	69	12	121	1 163
China	98 069	26 965	14 968	6 872	23 336	1 563	8 743	180 516
Colombia	969	645	788	277	115	372	1 199	4 365
Comoros	27	29	9	17	1	0	27	110

TABLE 51.
PRIMARY CROPS HARVESTED AREA BY COMMODITY GROUP, 2020 (THOUSAND HA) (CONTINUED)

COUNTRY	CEREALS	OIL CROPS	FRUIT	ROOTS AND TUBERS	VEGETABLES	SUGAR CROPS	OTHER	TOTAL
Congo	34	68	40	167	17	18	53	397
Costa Rica	45	71	193	16	8	56	80	469
Côte d'Ivoire	1 274	1 051	752	2 472	197	26	8 347	14 120
Croatia	536	193	39	9	7	10	21	816
Cuba	204	13	196	164	133	319	125	1 155
Cyprus	32	11	13	4	2	0	3	64
Czechia	1 345	450	31	24	8	60	43	1 960
Democratic People's Republic of Korea	1 341	184	242	188	278	0	468	2 700
Democratic Republic of the Congo	4 140	1 057	1 402	5 338	90	47	987	13 061
Denmark	1 367	146	5	63	11	33	27	1 651
Djibouti	0	0	0	0	5	0	7	12
Dominica	0	2	8	4	1	0	11	27
Dominican Republic	218	77	225	45	57	124	344	1 090
Ecuador	687	235	395	52	67	140	637	2 212
Egypt	3 607	288	644	196	654	399	135	5 924
El Salvador	369	13	21	6	6	83	259	757
Equatorial Guinea	0	8	14	49	0	0	23	95
Eritrea	476	85	1	16	15	0	51	644
Estonia	370	76	3	3	1	0	50	503
Eswatini	70	7	16	14	2	59	6	173
Ethiopia	10 572	947	188	245	324	30	3 397	15 703
Fiji	3	6	5	11	5	38	4	72
Finland	952	26	8	21	11	11	34	1 062
France	8 905	2 139	906	215	210	421	572	13 367
Gabon	29	46	64	112	10	5	19	284
Gambia	233	123	2	3	2	0	14	377
Georgia	156	3	156	16	15	0	35	381
Germany	6 065	1 031	172	274	103	386	217	8 249
Ghana	2 374	916	489	1 681	83	6	2 337	7 887
Greece	740	1 012	282	16	58	2	203	2 313
Grenada	0	2	3	1	1	0	3	10
Guatemala	903	257	236	27	94	251	875	2 644
Guinea	3 509	1 361	309	398	202	6	206	5 991
Guinea-Bissau	168	63	24	18	7	0	301	581
Guyana	189	12	12	4	4	19	6	245
Haiti	291	46	198	192	32	24	377	1 159
Honduras	399	216	45	10	13	59	491	1 234
Hungary	2 338	1 007	135	10	34	13	23	3 560
Iceland	2	0	0	0	0	0	0	2
India	102 057	43 823	7 231	2 438	9 138	4 790	41 073	210 551
Indonesia	14 613	18 968	892	916	1 187	495	9 058	46 128
Iran (Islamic Republic of)	10 283	469	1 173	131	396	187	1 118	13 756
Iraq	3 485	33	466	24	147	5	7	4 167
Ireland	266	10	1	9	4	0	14	304

TABLE 51.
PRIMARY CROPS HARVESTED AREA BY COMMODITY GROUP, 2020 (THOUSAND HA) (CONTINUED)

COUNTRY	CEREALS	OIL CROPS	FRUIT	ROOTS AND TUBERS	VEGETABLES	SUGAR CROPS	OTHER	TOTAL
Israel	64	49	75	17	106	0	5	316
Italy	3 012	1 541	1 131	47	331	27	306	6 396
Jamaica	2	16	29	17	17	11	16	108
Japan	1 805	150	179	127	372	79	99	2 812
Jordan	56	60	26	5	31	0	1	178
Kazakhstan	15 664	2 809	166	194	169	14	362	19 377
Kenya	2 703	261	248	295	194	90	2 193	5 984
Kiribati	0	25	2	0	0	0	0	28
Kuwait	2	0	4	1	5	0	0	12
Kyrgyzstan	583	41	63	76	55	8	127	954
Lao People's Democratic Republic	1 021	34	67	237	192	23	118	1 693
Latvia	750	149	8	9	3	0	42	960
Lebanon	56	65	64	23	27	0	22	257
Lesotho	112	0	4	7	4	0	7	134
Liberia	240	36	39	85	24	27	186	638
Libya	311	248	90	18	44	0	65	778
Lithuania	1 382	296	24	19	9	14	134	1 880
Luxembourg	25	3	2	1	0	0	0	31
Madagascar	1 805	135	253	544	49	95	417	3 299
Malawi	2 010	705	236	618	143	28	899	4 639
Malaysia	655	5 468	85	5	57	1	1 140	7 411
Maldives	0	0	1	0	2	0	1	4
Mali	6 140	807	163	65	208	5	517	7 905
Malta	0	0	0	1	0	0	0	1
Marshall Islands	0	7	0	0	0	0	0	7
Mauritania	313	5	14	4	1	0	98	435
Mauritius	0	0	2	1	5	44	1	53
Mexico	9 556	748	1 566	76	693	777	2 653	16 068
Micronesia (Federated States of)	0	17	1	1	0	0	0	20
Mongolia	353	50	3	18	9	0	4	437
Montenegro	2	0	7	1	2	0	1	13
Morocco	4 447	1 106	472	58	151	69	616	6 920
Mozambique	2 899	1 225	149	903	75	47	1 905	7 203
Myanmar	7 557	3 330	476	70	371	212	4 958	16 975
Namibia	545	1	12	43	7	0	20	627
Nauru	0	0	0	0	0	0	0	0
Nepal	3 421	288	136	219	304	69	440	4 877
Netherlands	172	3	21	165	90	81	7	540
New Zealand	113	3	76	12	34	0	16	254
Nicaragua	407	93	49	36	7	78	415	1 084
Niger	10 494	1 090	106	37	239	10	5 891	17 868
Nigeria	20 192	10 724	1 922	16 682	4 222	86	7 009	60 837
North Macedonia	158	10	68	13	42	0	41	333
Norway	295	3	4	13	6	0	3	325

TABLE 51.
PRIMARY CROPS HARVESTED AREA BY COMMODITY GROUP, 2020 (THOUSAND HA) (CONTINUED)

COUNTRY	CEREALS	OIL CROPS	FRUIT	ROOTS AND TUBERS	VEGETABLES	SUGAR CROPS	OTHER	TOTAL
Oman	10	0	34	1	22	0	0	67
Pakistan	14 083	2 897	963	209	414	1 165	1 397	21 128
Palau								
Panama	157	12	37	6	6	37	43	299
Papua New Guinea	4	414	228	232	45	13	167	1 103
Paraguay	1 792	3 822	74	191	16	105	131	6 129
Peru	1 185	111	466	496	218	85	793	3 353
Philippines	7 273	3 756	1 322	334	755	399	667	14 506
Poland	7 411	1 039	331	226	117	246	337	9 707
Portugal	218	386	257	18	50	0	235	1 163
Qatar	0	0	2	0	3	0	0	6
Republic of Korea	796	119	178	46	233	0	70	1 442
Republic of Moldova	781	425	214	23	39	13	48	1 542
Romania	5 611	1 736	335	175	114	23	113	8 107
Russian Federation	44 755	13 926	653	1 178	629	917	2 038	64 096
Rwanda	516	84	293	511	109	8	713	2 236
Saint Kitts and Nevis	0	1	0	0	0	0	0	1
Saint Lucia	0	2	1	1	0	0	0	5
Saint Vincent and the Grenadines	0	1	7	1	0	0	2	12
Samoa	0	28	7	5	1	0	3	44
San Marino								
Sao Tome and Principe	0	2	5	3	0	0	31	42
Saudi Arabia	243	35	239	19	48	0	5	588
Senegal	1 999	1 311	131	105	83	12	314	3 955
Serbia	1 749	488	208	30	68	37	41	2 621
Seychelles	0	1	0	0	1	0	1	2
Sierra Leone	717	90	51	142	127	1	288	1 415
Singapore	0	0	0	0	1	0	0	1
Slovakia	747	266	12	7	6	21	12	1 070
Slovenia	101	11	19	3	7	0	3	145
Solomon Islands	1	72	2	14	0	0	18	108
Somalia	354	105	22	11	27	6	87	612
South Africa	3 373	1 375	316	99	140	283	111	5 696
South Sudan	756	777	85	103	58	0	41	1 820
Spain	6 069	3 373	1 548	65	326	28	1 208	12 617
Sri Lanka	1 145	540	117	28	103	14	560	2 507
Sudan	8 571	9 189	271	144	296	69	1 018	19 558
Suriname	62	2	4	0	1	3	1	73
Sweden	993	100	4	24	13	30	42	1 207
Switzerland	144	31	22	11	18	18	7	250
Syrian Arab Republic	2 905	762	259	27	114	0	464	4 531
Tajikistan	366	210	147	47	70	0	24	865
Thailand	11 774	1 211	987	1 460	362	1 834	3 741	21 370
Timor-Leste	50	16	2	20	13	0	47	147

TABLE 51.
PRIMARY CROPS HARVESTED AREA BY COMMODITY GROUP, 2020 (THOUSAND HA) (CONTINUED)

COUNTRY	CEREALS	OIL CROPS	FRUIT	ROOTS AND TUBERS	VEGETABLES	SUGAR CROPS	OTHER	TOTAL
Togo	1 158	302	10	406	29	0	507	2 412
Tonga	0	4	5	2	7	0	0	19
Trinidad and Tobago	5	2	14	1	3	0	11	36
Tunisia	1 179	3 659	262	26	119	2	319	5 567
Türkiye	11 128	2 175	1 349	148	745	336	2 484	18 365
Turkmenistan	1 003	535	58	15	23	14	11	1 659
Tuvalu	0	2	0	0	0	0	0	2
Uganda	1 532	1 021	1 780	1 679	239	81	1 190	7 522
Ukraine	14 978	9 011	279	1 325	465	220	330	26 608
United Arab Emirates	1	0	40	0	6	0	0	47
United Kingdom of Great Britain and Northern Ireland	3 038	413	30	142	125	111	293	4 152
United Republic of Tanzania	6 904	4 192	795	1 773	418	52	2 611	16 746
United States of America	53 196	39 113	1 060	434	849	846	2 509	98 006
Uruguay	706	1 020	26	12	8	7	8	1 787
Uzbekistan	1 563	1 106	399	93	222	0	45	3 428
Vanuatu	2	90	2	7	1	0	4	105
Venezuela (Bolivarian Republic of)	580	114	233	81	66	52	307	1 434
Viet Nam	8 164	416	742	652	997	185	2 358	13 514
Yemen	537	32	106	16	42	0	129	861
Zambia	1 486	567	27	194	56	47	90	2 465
Zimbabwe	1 486	348	47	68	34	47	230	2 260

Source: FAO. 2022. FAOSTAT: Production: Crops and livestock products. In: FAO. Rome. Cited October 2022.

<https://www.fao.org/faostat/en/#data/QCL>

TABLE 52.
AREA UNDER ORGANIC AGRICULTURE (THOUSAND HA)

COUNTRY	2004	2005	2010	2015	2016	2017	2018	2019	2020
World	21 891.7	29 211.2	35 803.8	50 967.7	57 714.1	69 540.8	71 116.6	72 213.3	74 959.2
Africa	624.2	952.9	1 023.6	1 682.5	1 800.6	2 031.7	2 006.8	2 018.5	2 086.9
Americas	3 214.4	7 090.4	10 178.5	9 765.0	10 292.1	11 242.5	11 545.1	12 056.9	13 857.1
Asia	211.8	2 837.1	3 271.4	4 483.4	5 426.2	6 665.4	6 980.7	6 462.9	6 534.3
Europe	5 764.2	6 567.8	9 545.1	12 198.3	12 884.1	13 785.4	14 654.5	15 793.9	16 573.4
Oceania	12 077.0	11 763.0	11 785.2	22 838.5	27 311.2	35 815.7	35 929.5	35 881.2	35 907.6
Afghanistan			0.1	0.1	0.4	0.3	0.8	0.8	0.1
Albania		1.2	4.2		0.7	0.6	0.7	0.6	0.9
Algeria	1.4	0.9	0.6	1.4	0.8	0.8	0.8	0.8	0.8
Andorra			0.0	0.0	0.0	0.0	0.0	0.0	0.0
Angola			2.5		0.0				
Antigua and Barbuda									
Argentina	2 646.0	2 682.0	4 144.0	3 064.0	2 844.0	3 180.0	3 617.0	3 631.0	4 400.0
Armenia		0.3	0.8	1.8	1.2	1.4	0.7	0.6	0.6
Australia	12 077.0	11 716.0	11 641.7	22 690.0	27 145.0	35 645.0	35 687.8	35 687.8	35 687.8
Austria	460.8	479.8	543.6	552.1	571.4	620.7	639.1	671.7	679.9
Azerbaijan		20.3	21.5	37.6	37.6	37.6	37.6	37.6	38.1
Bahamas				0.1	0.1	0.1	0.1	0.1	0.1
Bahrain									
Bangladesh			0.8	6.9	6.9	8.1	2.2	2.2	0.5
Barbados									
Belarus							1.7	1.4	6.8
Belgium	23.8	24.4	49.0	68.8	78.5	83.5	89.0	93.1	99.1
Belize		1.8	1.2	0.8	0.4	0.4	0.2	0.1	0.5
Benin		0.3	1.2	2.4	5.7	18.9	16.5	15.2	38.8
Bhutan		0.2		6.9	6.6	6.6	6.6	6.6	4.1
Bolivia (Plurinational State of)		36.0	112.1	114.3	114.3	114.3	114.3	144.2	179.4
Bosnia and Herzegovina		0.4	0.6	0.6	1.0	1.3	0.9	1.7	1.7
Botswana									
Brazil		842.0	932.1	750.0	750.0	1 136.9	1 188.3	1 283.1	1 319.5
Brunei Darussalam									
Bulgaria		2.4	25.6	118.8	160.6	136.6	145.6	214.6	116.3
Burkina Faso		0.3	13.8	23.9	27.3	58.9	56.7	87.5	66.2
Burundi		0.3	0.4	0.2	0.1	0.1	0.2	0.1	0.3
Cabo Verde				0.5	0.5	0.5	0.5	0.5	0.0
Cambodia		1.0	8.1	12.1	9.7	11.0	27.6	25.8	35.9
Cameroon			0.5	0.4	0.4	1.1	1.1	0.2	0.3
Canada	542.0	578.9	703.7	944.5	1 099.0	1 191.7	1 311.6	1 321.1	1 417.6
Central African Republic									
Chad									
Chile	21.2	22.9	31.7	20.0	16.0	19.7	17.4	20.9	156.8
China		2 301.3	1 393.0	1 616.5	2 287.5	3 029.5	3 143.8	2 225.5	2 445.8

TABLE 52.
AREA UNDER ORGANIC AGRICULTURE (THOUSAND HA) (CONTINUED)

COUNTRY	2004	2005	2010	2015	2016	2017	2018	2019	2020
Colombia		45.7	40.0	31.6	31.6	31.6	22.3	30.5	50.5
Comoros			1.0	1.5	2.6	1.4	2.1	1.2	1.0
Congo									
Costa Rica		9.8	11.1	7.8	7.9	8.7	9.0	8.8	11.5
Côte d'Ivoire			18.1	40.1	42.0	50.4	50.6	66.7	79.1
Croatia	2.2	2.9	23.3	75.9	93.6	96.6	103.2	108.1	108.6
Cuba		15.4	2.1	4.3	1.3	6.2	6.2	2.4	2.1
Cyprus	1.0	1.7	3.6	4.7	5.6	5.6	6.0	6.2	5.9
Czechia	263.3	254.0	448.0	483.0	491.0	505.0	522.0	541.0	543.0
Democratic People's Republic of Korea									
Democratic Republic of the Congo			33.0	94.4	94.4	60.6	60.6	88.7	118.3
Denmark	154.9	134.1	162.9	176.4	202.0	234.0	266.0	295.0	306.0
Djibouti									
Dominica				0.2	0.2	0.2	0.2	0.2	
Dominican Republic		72.4	167.9	164.0	205.3	205.3	169.0	134.4	117.3
Ecuador			65.0	45.8	39.8	41.8	41.8	47.8	41.5
Egypt		24.6	82.0	85.8	105.9	105.9	116.0	116.0	116.0
El Salvador		5.3	6.7	13.7	1.4	1.7	1.7	1.7	2.6
Equatorial Guinea									
Eritrea									
Estonia	45.0	58.4	121.0	155.8	180.9	196.4	206.6	220.7	220.8
Eswatini			0.0	0.6	0.0	0.2	0.2	0.8	1.2
Ethiopia			137.0	186.2	186.2	186.2	186.2	209.9	234.7
Fiji		0.1	0.1	10.9	13.4	16.6	41.2	22.6	19.3
Finland	162.0	147.0	169.0	225.0	238.2	258.7	297.4	306.5	316.2
France	534.1	550.5	845.4	1 323.0	1 537.0	1 744.4	2 035.0	2 241.0	2 517.0
Gabon									
Gambia						0.0	0.0	0.1	
Georgia		0.1	1.4	1.5	1.5	1.5	1.5	1.5	1.6
Germany	767.9	807.4	990.7	1 088.8	1 135.5	1 138.3	1 221.3	1 290.8	1 592.7
Ghana		17.3	12.0	23.4	21.3	15.3	29.7	31.2	74.9
Greece	249.5	288.7	309.8	407.1	342.6	410.1	492.6	528.8	534.6
Grenada			0.1	0.1	0.1	0.1	0.1	0.1	0.1
Guatemala		12.1	13.4	13.4	13.4	13.4	14.0	88.2	87.0
Guinea							0.0	1.0	
Guinea-Bissau				3.4	0.7	0.8	0.8	0.8	9.8
Guyana		0.1	4.2						
Haiti			0.2	4.5	6.1	5.6	4.4	3.3	2.9
Honduras		1.8	18.0	26.9	28.7	29.3	29.3	29.3	66.2
Hungary	128.6	123.5	127.6	129.7	186.3	199.7	209.4	303.2	301.4
Iceland		5.0	5.9	9.8	10.2	10.2	9.2	9.2	4.5
India		185.9	780.0	1 180.0	1 490.0	1 780.0	1 938.2	2 299.2	2 657.9

TABLE 52.
AREA UNDER ORGANIC AGRICULTURE (THOUSAND HA) (CONTINUED)

COUNTRY	2004	2005	2010	2015	2016	2017	2018	2019	2020
Indonesia		17.8	71.0	130.4	126.0	208.0	251.6	251.6	75.8
Iran (Islamic Republic of)			7.0	14.6	18.8	11.9	11.9	11.9	11.9
Iraq				0.1	0.1	0.1	0.1	0.1	0.1
Ireland	30.7	34.9	47.9	73.0	76.7	74.3	118.7	74.0	74.7
Israel			8.8	4.1	4.4	5.7	5.8	5.3	5.4
Italy	954.0	1 067.0	1 114.0	1 493.0	1 796.0	1 909.0	1 958.0	1 993.0	2 095.4
Jamaica		0.4	0.5	0.2	0.4	0.4	0.4	0.4	0.0
Japan			9.1	10.0	10.0	10.0	10.8	10.8	12.0
Jordan		0.0	1.5	1.7	1.5	1.5	1.5	1.5	1.5
Kazakhstan			133.6	303.4	303.4	277.1	192.1	294.3	114.9
Kenya		2.3	4.8	150.5	154.5	177.2	154.5	154.5	123.7
Kiribati				1.6	1.6	1.6	1.6		
Kuwait				0.0	0.0	0.0	0.0	0.0	0.0
Kyrgyzstan		0.2	15.0	7.6	8.0	19.3	22.1	19.1	30.3
Lao People's Democratic Republic			6.0	1.5	7.7	7.7	7.7	9.0	3.3
Latvia	26.1	118.6	164.1	231.6	259.1	268.9	280.4	289.8	291.1
Lebanon	0.8	2.5	1.2	1.2	1.1	1.4	1.2	1.6	1.7
Lesotho				0.6	0.6		0.0		
Liberia							0.0	0.0	
Libya									
Lithuania	38.5	68.8	143.6	213.6	221.7	234.1	239.7	242.1	235.5
Luxembourg		3.2	3.5	4.2	4.5	5.4	5.8	5.8	6.4
Madagascar		2.2	20.3	121.0	60.0	64.0	48.8	76.5	103.8
Malawi		0.3	0.8	0.2	12.2	12.2	12.4	12.3	0.2
Malaysia		1.2	1.6	0.6	0.6	0.6	9.6	1.3	1.3
Maldives									
Mali		14.6	15.2	11.9	11.9	12.7	12.7	11.3	14.7
Malta		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	674.0	674.0	183.2	301.9	215.6
Micronesia (Federated States of)									
Mongolia							0.6	0.1	0.2
Montenegro			3.6	3.3	3.5	2.7	4.5	4.8	4.8
Morocco		1.1	17.0	9.3	10.0	9.2	9.9	9.9	11.5
Mozambique		0.7	5.5	16.2	7.4	12.6	14.9	7.8	14.4
Myanmar			0.1	5.6	4.6	10.3	12.3	12.9	10.1
Namibia			0.1	30.1	30.1	0.1	0.1	0.1	
Nauru									
Nepal		1.0	9.8	9.4	9.4	9.4	11.9	9.4	9.4
Netherlands	48.2	48.8	45.8	50.4	54.6	59.4	64.0	68.1	71.6

TABLE 52.
AREA UNDER ORGANIC AGRICULTURE (THOUSAND HA) (CONTINUED)

COUNTRY	2004	2005	2010	2015	2016	2017	2018	2019	2020
New Zealand		46.9	124.5	74.1	74.1	88.9	88.9	88.9	79.3
Nicaragua		51.1	33.6	33.6	33.6	33.6	34.8	43.0	39.1
Niger		0.0	0.1	0.3	0.3	0.3	0.3	0.3	
Nigeria			12.0	5.0	52.4	53.4	57.1	55.1	55.0
North Macedonia		0.3	5.2	2.2	2.7	2.7	4.0	3.7	3.7
Norway	41.0	43.0	57.2	47.6	47.6	47.0	46.4	45.3	45.2
Oman			0.0		0.0	0.0	0.0	0.0	0.0
Pakistan		20.3	22.0	34.2	45.3	51.3	64.9	64.9	69.9
Palau									
Panama	5.2	5.2	3.6	15.2	15.2	15.2	5.9	5.9	5.9
Papua New Guinea			3.2	15.8	15.6	13.7	49.6	24.7	72.5
Paraguay			51.2	64.1	64.1	43.7	42.8	57.6	73.4
Peru			222.4	326.8	518.0	539.6	524.9	394.2	559.7
Philippines			80.0	234.6	198.3	200.1	218.6	168.4	191.8
Poland	83.0	166.0	519.0	580.7	536.6	495.0	484.7	507.6	509.3
Portugal	169.9	211.5	211.0	241.4	245.1	253.8	213.1	293.2	319.5
Qatar									
Republic of Korea		6.1	15.5	18.1	20.2	20.7	24.7	29.7	38.5
Republic of Moldova			5.4	28.7	30.1	30.1	17.2	27.8	27.6
Romania		92.8	183.0	245.9	226.3	258.5	326.3	395.2	468.8
Russian Federation			44.0	385.1	315.2	656.9	607.0	674.4	615.2
Rwanda		0.1	3.6			1.3	2.1	1.3	5.2
Saint Kitts and Nevis									
Saint Lucia									
Saint Vincent and the Grenadines									
Samoa			9.7	27.7	27.7	27.7	27.7	41.1	41.0
San Marino									
Sao Tome and Principe			4.4	6.7	6.7	8.8	10.9	10.9	9.1
Saudi Arabia		12.5	42.4	36.5	17.2	17.1	18.6	24.5	26.6
Senegal			28.2	7.0	7.2	7.3	8.0	6.5	3.8
Serbia			8.7	15.3	14.4	13.4	19.3	21.3	21.0
Seychelles									
Sierra Leone			65.3	15.3	69.7	101.2	99.2	157.5	219.9
Singapore							0.0	0.0	0.0
Slovakia			178.2	181.9	187.0	189.2	189.0	197.6	222.9
Slovenia	23.0	23.0	30.7	42.2	43.6	46.2	47.8	49.6	52.1
Solomon Islands			1.3	5.6	5.7	3.9	4.7	4.1	3.4
Somalia									
South Africa		50.0	55.6	34.2	14.2	41.4	82.8	30.2	41.0
South Sudan									
Spain	561.5	622.8	1 434.0	1 968.5	2 018.8	2 082.2	2 246.5	2 354.9	2 437.9
Sri Lanka		10.0	22.3	96.3	96.3	165.6	77.2	70.4	73.4

TABLE 52.
AREA UNDER ORGANIC AGRICULTURE (THOUSAND HA) (CONTINUED)

COUNTRY	2004	2005	2010	2015	2016	2017	2018	2019	2020
Sudan				130.0	130.0	130.0	76.9	73.9	
Suriname				0.0	0.1	0.1	0.1	0.1	0.1
Sweden	222.1	222.7	438.9	519.0	553.0	577.0	609.0	614.0	610.5
Switzerland	114.2	116.7	111.0	134.9	139.9	149.6	160.1	169.0	176.3
Syrian Arab Republic			20.0	20.0	20.0	20.0	20.0	20.0	
Tajikistan			0.4	12.7	12.7	12.7	8.8	10.3	11.8
Thailand		21.7	34.1	45.6	57.2	91.3	95.1	188.5	160.8
Timor-Leste		21.5	24.8	25.2	28.3	31.3	59.8	32.5	32.3
Togo		0.1	3.4	15.3	21.6	39.4	41.3	38.5	127.8
Tonga				2.6	1.5	1.6	0.7	1.1	1.1
Trinidad and Tobago									
Tunisia	157.8	143.1	175.1	145.0	181.1	306.5	309.2	286.6	297.1
Türkiye	210.0	204.0	510.0	515.0	524.0	543.0	627.0	546.0	383.0
Turkmenistan									
Tuvalu									
Uganda		182.0	228.4	241.2	262.3	262.3	262.3	183.6	116.4
Ukraine		242.0	270.2	410.6	381.2	289.0	309.1	468.0	462.2
United Arab Emirates			0.4	4.3	4.6	4.7	4.7	4.6	5.4
United Kingdom of Great Britain and Northern Ireland	659.6	604.7	697.9	508.8	495.1	502.9	462.5	465.4	470.2
United Republic of Tanzania		44.7	72.0	268.7	268.7	278.5	278.5	278.5	198.2
United States of America		1 640.8	1 949.0	2 029.3	2 031.3	2 031.3	2 023.4	2 326.6	2 326.6
Uruguay		759.0	931.0	1 307.4	1 657.0	1 882.2	2 147.1	2 143.6	2 742.4
Uzbekistan			0.1				0.9	0.9	3.8
Vanuatu			2.7	9.5	11.8	14.9	25.6	8.4	2.1
Venezuela (Bolivarian Republic of)			0.3						1.5
Viet Nam		6.5	19.3	76.7	53.5	58.0	51.4	61.9	63.5
Yemen									
Zambia		2.9	7.3	8.1	7.7	8.0	1.2	0.2	0.7
Zimbabwe			2.0	1.0	3.2	3.3	0.4	0.9	1.0

Source: FAO. 2022. FAOSTAT: Land Use. In: FAO. Rome. Cited October 2022. <http://www.fao.org/faostat/en/#data/RL>

TABLE 53.
SHARE OF AREA UNDER ORGANIC AGRICULTURE IN TOTAL AGRICULTURAL AREA (PERCENT)

COUNTRY	2004	2005	2010	2015	2016	2017	2018	2019	2020
World	0.5	0.6	0.7	1.1	1.2	1.5	1.5	1.5	1.6
Africa	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2
Americas	0.3	0.6	0.9	0.9	0.9	1.0	1.0	1.1	1.2
Asia	0.0	0.2	0.2	0.3	0.3	0.4	0.4	0.4	0.4
Europe	1.2	1.4	2.0	2.6	2.8	3.0	3.2	3.4	3.6
Oceania	3.0	2.8	3.0	6.3	7.7	9.3	9.7	9.6	9.8
Afghanistan			0.0	0.0	0.0	0.0	0.0	0.0	0.0
Albania		0.1	0.3		0.1	0.0	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		0.0				
Antigua and Barbuda									
Argentina	2.0	2.1	3.3	2.6	2.5	2.9	3.3	3.4	4.1
Armenia		0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0
Australia	3.1	2.9	3.1	6.5	7.9	9.6	9.9	9.8	10.0
Austria	16.1	16.8	19.6	20.3	21.4	23.4	24.1	25.3	25.7
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	0.1	0.1	0.0	0.0	0.0
Barbados									
Belarus							0.0	0.0	0.1
Belgium	1.7	1.8	3.6	5.2	5.8	6.3	6.6	6.9	7.3
Belize		1.2	0.8	0.5	0.2	0.2	0.1	0.0	0.3
Benin		0.0	0.0	0.1	0.1	0.5	0.4	0.4	1.0
Bhutan		0.0		1.3	1.3	1.3	1.3	1.3	0.8
Bolivia (Plurinational State of)		0.1	0.3	0.3	0.3	0.3	0.3	0.4	0.5
Bosnia and Herzegovina		0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.1
Botswana									
Brazil		0.4	0.4	0.3	0.3	0.5	0.5	0.5	0.6
Brunei Darussalam									
Bulgaria		0.0	0.5	2.4	3.2	2.7	2.9	4.3	2.3
Burkina Faso		0.0	0.1	0.2	0.2	0.5	0.5	0.7	0.5
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	0.6	0.6	0.0
Cambodia		0.0	0.1	0.2	0.2	0.2	0.5	0.4	0.6
Cameroon			0.0	0.0	0.0	0.0	0.0	0.0	0.0
Canada	0.9	0.9	1.2	1.6	1.9	2.1	2.3	2.3	2.5
Central African Republic									
Chad									
Chile	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	1.0
China		0.4	0.3	0.3	0.4	0.6	0.6	0.4	0.5

TABLE 53.
SHARE OF AREA UNDER ORGANIC AGRICULTURE IN TOTAL AGRICULTURAL AREA (PERCENT) (CONTINUED)

COUNTRY	2004	2005	2010	2015	2016	2017	2018	2019	2020
Colombia		0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1
Comoros			0.8	1.1	2.0	1.1	1.6	0.9	0.8
Congo									
Costa Rica		0.5	0.6	0.4	0.4	0.5	0.5	0.5	0.7
Côte d'Ivoire			0.1	0.2	0.2	0.2	0.2	0.3	0.4
Croatia	0.2	0.2	1.7	4.9	6.1	6.5	7.0	7.2	7.2
Cuba		0.2	0.0	0.1	0.0	0.1	0.1	0.0	0.0
Cyprus	0.7	1.0	3.1	3.7	5.1	4.6	4.5	5.0	4.4
Czechia	7.3	7.0	12.7	13.8	14.1	14.3	14.8	15.4	15.4
Democratic People's Republic of Korea									
Democratic Republic of the Congo			0.1	0.3	0.3	0.2	0.2	0.3	0.4
Denmark	5.9	5.0	6.2	6.7	7.7	8.9	10.1	11.2	11.7
Djibouti									
Dominica				1.0	1.0	1.0	1.0	1.0	
Dominican Republic		3.0	7.0	6.8	8.5	8.5	7.0	5.5	4.8
Ecuador			0.9	0.8	0.7	0.7	0.8	0.9	0.8
Egypt		0.7	2.2	2.3	2.8	2.8	3.0	3.0	2.9
El Salvador		0.4	0.5	1.1	0.1	0.1	0.1	0.1	0.2
Equatorial Guinea									
Eritrea									
Estonia	5.8	6.6	12.8	15.7	18.0	20.0	21.0	22.3	22.4
Eswatini			0.0	0.0	0.0	0.0	0.0	0.1	0.1
Ethiopia			0.4	0.5	0.5	0.5	0.5	0.5	0.6
Fiji		0.0	0.0	3.5	4.3	5.3	13.1	7.2	6.2
Finland	7.2	6.5	7.4	9.9	10.5	11.4	13.1	13.5	13.9
France	1.8	1.9	2.9	4.6	5.4	6.1	7.1	7.8	8.8
Gabon									
Gambia						0.0	0.0	0.0	
Georgia		0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Germany	4.5	4.7	5.9	6.5	6.8	6.8	7.3	7.7	9.6
Ghana		0.1	0.1	0.2	0.2	0.1	0.2	0.2	0.6
Greece	3.1	3.6	4.1	6.6	5.6	6.8	8.3	9.0	9.1
Grenada			1.1	1.1	1.1	1.1	1.0	1.0	1.0
Guatemala		0.3	0.3	0.3	0.3	0.3	0.4	2.3	2.3
Guinea							0.0	0.0	
Guinea-Bissau				0.4	0.1	0.1	0.1	0.1	1.2
Guyana		0.0	0.4						
Haiti			0.0	0.2	0.3	0.3	0.2	0.2	0.2
Honduras		0.1	0.6	0.8	0.8	0.8	0.8	0.8	1.9
Hungary	2.2	2.1	2.4	2.5	3.5	3.8	4.0	5.7	6.1
Iceland		0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.2
India		0.1	0.4	0.7	0.8	1.0	1.1	1.3	1.5

TABLE 53.
SHARE OF AREA UNDER ORGANIC AGRICULTURE IN TOTAL AGRICULTURAL AREA (PERCENT) (CONTINUED)

COUNTRY	2004	2005	2010	2015	2016	2017	2018	2019	2020
Indonesia		0.0	0.1	0.2	0.2	0.3	0.4	0.4	0.1
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	1.7	1.7	2.6	1.6	1.7
Israel			1.7	0.8	0.8	0.9	0.9	0.8	0.8
Italy	6.4	7.2	7.8	11.5	14.0	14.9	15.8	15.2	16.1
Jamaica		0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.0
Japan			0.2	0.2	0.2	0.2	0.2	0.2	0.3
Jordan		0.0	0.1	0.2	0.1	0.1	0.1	0.1	0.1
Kazakhstan			0.1	0.1	0.1	0.1	0.1	0.1	0.1
Kenya		0.0	0.0	0.5	0.6	0.6	0.6	0.6	0.4
Kiribati				4.7	4.7	4.7	4.7		
Kuwait				0.0	0.0	0.0	0.0	0.0	0.0
Kyrgyzstan		0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.3
Lao People's Democratic Republic			0.3	0.1	0.3	0.3	0.4	0.4	0.2
Latvia	1.6	6.8	9.1	12.3	13.4	13.9	14.5	14.8	14.8
Lebanon	0.1	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.3
Lesotho				0.0	0.0		0.0		
Liberia							0.0	0.0	
Libya									
Lithuania	1.5	2.4	5.2	7.1	7.5	8.0	8.1	8.1	8.0
Luxembourg		2.5	2.6	3.2	3.5	4.2	4.4	4.4	4.8
Madagascar		0.0	0.0	0.3	0.1	0.2	0.1	0.2	0.3
Malawi		0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.0
Malaysia		0.0	0.0	0.0	0.0	0.0	0.1	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	0.3	0.3	0.3	0.3	0.3
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	0.7	0.7	0.2	0.3	0.2
Micronesia (Federated States of)									
Mongolia							0.0	0.0	0.0
Montenegro			0.7	1.4	1.4	1.1	1.7	1.8	1.9
Morocco		0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Mozambique		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Myanmar			0.0	0.0	0.0	0.1	0.1	0.1	0.1
Namibia			0.0	0.1	0.1	0.0	0.0	0.0	
Nauru									
Nepal		0.0	0.2	0.2	0.2	0.2	0.3	0.2	0.2
Netherlands	2.5	2.5	2.4	2.7	3.0	3.3	3.5	3.7	3.9

TABLE 53.
SHARE OF AREA UNDER ORGANIC AGRICULTURE IN TOTAL AGRICULTURAL AREA (PERCENT) (CONTINUED)

COUNTRY	2004	2005	2010	2015	2016	2017	2018	2019	2020
New Zealand		0.4	1.1	0.7	0.7	0.8	0.8	0.9	0.8
Nicaragua		1.0	0.7	0.7	0.7	0.7	0.7	0.8	0.8
Niger		0.0	0.0	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	0.2	0.2	0.3	0.3	0.3
Norway	3.9	4.2	5.7	4.8	4.8	4.8	4.7	4.6	4.6
Oman			0.0		0.0	0.0	0.0	0.0	0.0
Pakistan		0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
Palau									
Panama	0.2	0.2	0.2	0.7	0.7	0.7	0.3	0.3	0.3
Papua New Guinea			0.3	1.3	1.3	1.2	4.2	2.1	6.1
Paraguay			0.3	0.4	0.4	0.3	0.3	0.3	0.4
Peru			0.9	1.3	2.1	2.2	2.1	1.6	2.3
Philippines			0.7	1.9	1.6	1.6	1.7	1.3	1.5
Poland	0.5	1.0	3.6	4.0	3.7	3.4	3.3	3.5	3.5
Portugal	4.4	5.5	5.8	6.6	6.8	6.9	5.7	7.5	8.3
Qatar									
Republic of Korea		0.3	0.9	1.0	1.2	1.2	1.5	1.8	2.4
Republic of Moldova			0.2	1.2	1.3	1.3	0.8	1.2	1.2
Romania		0.7	1.3	1.8	1.7	1.9	2.4	2.9	3.4
Russian Federation			0.0	0.2	0.1	0.3	0.3	0.3	0.3
Rwanda		0.0	0.2			0.1	0.1	0.1	0.3
Saint Kitts and Nevis									
Saint Lucia									
Saint Vincent and the Grenadines									
Samoa			23.4	36.6	40.3	44.7	50.2	83.1	83.0
San Marino									
Sao Tome and Principe			9.6	15.3	15.3	20.0	24.8	24.8	20.7
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	0.1	0.1	0.0
Serbia			0.2	0.4	0.4	0.4	0.6	0.6	0.6
Seychelles									
Sierra Leone			1.7	0.4	1.8	2.6	2.5	4.0	5.6
Singapore							0.5	2.3	2.3
Slovakia			9.2	9.6	9.9	10.1	10.0	10.5	11.8
Slovenia	4.7	4.5	4.9	6.8	7.1	7.5	7.8	8.1	8.5
Solomon Islands			1.2	5.0	5.0	3.3	4.0	3.5	2.9
Somalia									
South Africa		0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.0
South Sudan									
Spain	1.9	2.1	5.2	7.4	7.7	7.9	8.6	9.0	9.3
Sri Lanka		0.4	0.9	3.5	3.5	6.0	2.7	2.5	2.6

TABLE 53.
SHARE OF AREA UNDER ORGANIC AGRICULTURE IN TOTAL AGRICULTURAL AREA (PERCENT) (CONTINUED)

COUNTRY	2004	2005	2010	2015	2016	2017	2018	2019	2020
Sudan				0.2	0.2	0.2	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	18.3	19.2	20.3	20.4	20.3
Switzerland	7.4	7.5	7.2	8.9	9.2	9.9	10.6	11.2	11.7
Syrian Arab Republic			0.1	0.1	0.1	0.1	0.1	0.1	
Tajikistan			0.0	0.3	0.3	0.3	0.2	0.2	0.2
Thailand		0.1	0.2	0.2	0.3	0.4	0.4	0.8	0.7
Timor-Leste		6.5	7.3	7.4	8.3	9.2	17.5	9.5	9.5
Togo		0.0	0.1	0.4	0.6	1.0	1.1	1.0	3.3
Tonga				7.4	4.3	4.6	1.9	3.2	3.2
Trinidad and Tobago									
Tunisia	1.6	1.5	1.7	1.5	1.9	3.1	3.2	2.9	3.1
Türkiye	0.5	0.5	1.3	1.3	1.4	1.4	1.7	1.4	1.0
Turkmenistan									
Tuvalu									
Uganda		1.4	1.6	1.7	1.8	1.8	1.8	1.3	0.8
Ukraine		0.6	0.7	1.0	0.9	0.7	0.7	1.1	1.1
United Arab Emirates			0.1	1.1	1.2	1.2	1.2	1.2	1.4
United Kingdom of Great Britain and Northern Ireland	3.9	3.6	4.1	3.0	2.9	2.9	2.7	2.7	2.7
United Republic of Tanzania		0.1	0.2	0.7	0.7	0.7	0.7	0.7	0.5
United States of America		0.4	0.5	0.5	0.5	0.5	0.5	0.6	0.6
Uruguay		5.1	6.5	9.0	11.6	13.2	15.1	15.2	19.5
Uzbekistan			0.0				0.0	0.0	0.0
Vanuatu			1.4	5.1	6.3	8.0	13.7	4.5	1.1
Venezuela (Bolivarian Republic of)			0.0						0.0
Viet Nam		0.1	0.2	0.6	0.4	0.5	0.4	0.5	0.5
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. 2022. FAOSTAT: Land Use. In: FAO. Rome. Cited October 2022. <http://www.fao.org/faostat/en/#data/RL>

TABLE 54.
WATER STRESS (PERCENT)

COUNTRY	2000	2005	2010	2014	2015	2016	2017	2018	2019
World	17.5	17.9	17.9	18.2	18.3	18.4	18.6	18.5	18.6
Africa									
Americas									
Asia									
Europe									
Oceania									
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	6.5	5.5	6.6	6.6	5.8	6.8
Algeria	79.3	92.5	104.9	120.6	126.0	129.9	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	8.8	8.5	8.5	8.5	8.5	8.5	8.5
Argentina	8.4	9.3	10.3	10.5	10.5	10.5	10.5	10.5	10.5
Armenia	37.7	55.9	42.9	57.7	66.0	64.2	57.8	54.8	57.8
Australia	8.7	7.5	5.3	7.4	3.7	4.3	4.8	5.0	3.9
Austria	10.0	9.8	9.6	9.6	9.6	9.6	9.6	9.6	9.6
Azerbaijan	48.5	52.1	48.4	51.2	51.6	52.5	53.5	53.7	55.6
Bahamas									
Bahrain	248.9	196.4	173.1	154.4	137.2	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	5.2	4.8	4.8	4.6	4.6	4.5
Belgium	92.5	78.5	73.1	56.0	49.1	51.5	54.0	54.1	54.1
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	1.2	1.2
Bosnia and Herzegovina	2.5	2.5	2.9	2.7	2.8	2.8	2.7	2.1	2.0
Botswana	2.0	2.0	2.1	2.0	2.0	2.1	2.0	2.1	2.1
Brazil	2.7	2.7	3.5	3.1	3.0	3.1	3.1	1.4	1.6
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	39.7	41.6	42.1	41.8	40.1	40.1
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		8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
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	3.8	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	7.3	8.7	14.6	20.2	21.6	21.6	21.6	21.6	21.6
China	40.2	40.5	42.9	43.3	43.2	43.2	43.2	43.2	43.2
Colombia	1.2	1.5	2.4	3.6	3.9	4.2	4.2	4.2	4.2
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	2014	2015	2016	2017	2018	2019
Congo	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Costa Rica				4.7	5.5	5.0	4.2	4.1	4.1
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	1.5	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	29.7	31.7	29.8	29.5	28.3	27.6
Czechia	32.6	29.6	29.7	25.1	24.3	24.9	24.8	24.2	29.7
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	26.7	22.0	24.0	24.2	29.7	24.9
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	110.6	110.9	110.5	141.2	141.2	141.2
El Salvador	8.6	13.2	7.2	2.3	2.4	2.3	2.4	2.4	2.4
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	18.6	17.5	19.0	19.3	17.4	10.9
Eswatini	75.7	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
Ethiopia		24.0	27.8	30.8	31.5	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	7.5	6.5	5.5	5.5	6.6	7.1
France	28.6	29.3	25.0	23.9	24.6	23.1	23.6	23.5	23.5
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	5.7	5.4	5.3	5.2	4.5	4.2	5.1
Germany	61.5	51.8	45.2	34.3	33.9	33.5	33.5	33.5	33.5
Ghana	4.3	4.9	5.5	5.9	6.3	6.3	6.3	6.3	6.3
Greece	18.2	19.5	19.9	20.1	20.0	20.5	20.5	20.5	20.5
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	1.2	1.3	1.3	1.3	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	12.9	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	7.0	6.8	8.2	8.5	7.7
Iceland	0.2	0.2	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	27.9	28.8	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	56.2	49.0	54.1	60.5	47.1	79.5
Ireland	4.7	3.8	4.0	5.4	5.8	6.2	6.5	20.0	20.0

TABLE 54.
WATER STRESS (PERCENT) (CONTINUED)

COUNTRY	2000	2005	2010	2014	2015	2016	2017	2018	2019
Israel	139.2	121.3	115.6	102.1	98.9	103.4	103.6	95.9	100.4
Italy	39.7	32.3	29.7	30.0	30.0	30.0	30.0	30.0	30.0
Jamaica	10.5	11.9	13.2	14.3	7.7	12.5	12.5	12.5	12.5
Japan	41.6	38.4	37.2	36.8	36.7	36.6	36.5	36.4	36.4
Jordan	82.6	95.9	98.9	107.4	96.2	100.1	100.4	102.2	104.3
Kazakhstan	29.1	34.4	33.0	32.0	30.0	30.0	31.1	32.7	32.7
Kenya	12.9	21.2	26.5	26.5	26.5	33.2	33.2	33.2	33.2
Kiribati									
Kuwait	1 911.8	2 380.5	2 889.8	3 297.2	3 399.0	3 575.0	3 850.5	3 850.5	3 850.5
Kyrgyzstan	65.4	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	4.9	5.1	5.0	4.8	4.8	4.8
Latvia	1.7	1.3	1.6	1.0	1.0	1.1	1.1	1.1	1.1
Lebanon	41.1	35.6	47.2	56.5	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	2.6	2.8	2.2	1.9	1.8	1.8
Luxembourg	4.9	4.4	3.9	3.8	3.7	3.7	3.8	4.3	4.1
Madagascar	11.2	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3
Malawi	15.9	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
Malaysia	2.9	3.0	3.1	3.2	3.2	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	7.4	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
Malta	61.3	70.7	81.0	89.1	82.8	83.0	91.1	85.1	81.2
Marshall Islands									
Mauritania	15.7	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2
Mauritius	22.2	25.1	23.2	22.5	22.2	22.5	22.2	21.5	21.6
Mexico	25.6	28.6	29.9	31.9	32.1	32.5	32.9	44.5	44.7
Micronesia (Federated States of)									
Mongolia	3.6	3.8	3.9	3.3	3.2	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	1.7	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	16.0	21.9	20.8	18.0	16.0	15.2	15.0	16.4	17.0
New Zealand	2.8	3.8	4.2	8.0	8.0	8.0	8.0	8.0	8.0
Nicaragua	2.4	2.6	2.7	2.7	2.7	2.7	2.7	2.7	2.7
Niger	3.6	4.2	5.4	6.4	7.3	7.5	6.7	10.4	11.0
Nigeria	8.0	9.0	9.7	9.7	9.7	9.7	9.7	9.7	9.7
North Macedonia	16.7	28.0	22.0	16.4	20.8	25.3	25.3	25.3	25.3
Norway	1.8	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0

TABLE 54.
WATER STRESS (PERCENT) (CONTINUED)

COUNTRY	2000	2005	2010	2014	2015	2016	2017	2018	2019
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	119.5	120.8	122.6	122.7	118.2	108.6
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	5.2	5.6	6.1	6.5	7.0	7.2
Philippines			25.5	25.8	26.4	26.6	28.1	28.2	26.3
Poland	42.1	41.2	37.6	36.8	36.2	35.6	34.9	33.2	31.1
Portugal	21.4	19.1	18.0	17.4	17.3	17.2	12.4	12.3	12.3
Qatar	282.6	374.1	409.9	434.7	431.0	432.4	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	12.4	12.5	12.5	12.5	12.4	12.5
Romania	9.0	5.7	5.8	5.9	6.1	6.0	6.3	6.0	6.0
Russian Federation	4.8	4.4	4.4	4.5	4.0	4.1	4.1	4.1	4.1
Rwanda	5.0	8.3	12.5	15.7	16.6	17.4	18.2	19.0	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	1.7	1.8	1.9	1.9	1.9	1.9
Saudi Arabia	819.8	894.8	914.5	894.7	948.9	929.6	956.0	974.2	974.2
Senegal	8.5	12.1	12.5	12.9	13.0	13.1	13.2	16.1	16.3
Serbia			5.0	4.4	5.3	5.3	6.1	6.3	6.3
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	108.5	84.6	85.0	83.2	81.4	82.2
Slovakia	5.0	3.9	2.6	2.4	2.5	2.4	2.4	2.4	2.4
Slovenia		6.2	6.3	6.6	6.1	6.0	6.3	6.5	6.4
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	52.7	59.8	61.0	62.1	63.6	63.6
South Sudan				4.2	4.2	4.2	4.2	4.2	4.2
Spain	49.2	51.0	47.7	44.8	43.0	42.6	41.0	40.2	40.2
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	3.4	3.4	3.4	3.4	3.4
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	69.3	68.7	57.7	52.7	64.5	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	2014	2015	2016	2017	2018	2019
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	72.8	79.1	89.4	92.0	94.6	89.5	96.0	96.0
Türkiye	31.2	29.9	34.9	38.6	39.9	44.3	43.7	45.4	45.7
Turkmenistan	127.9	143.6	143.6	143.6	143.6	143.6	143.6	143.6	143.6
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	14.1	11.8	12.1	13.9	13.9	13.7
United Arab Emirates	1 555.9	1 866.7	1 814.8	1 773.4	1 763.0	1 752.7	1 680.0	1 714.7	1 672.0
United Kingdom of Great Britain and Northern Ireland	21.3	22.0	14.1	12.4	13.9	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	27.8	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	144.7	158.1	156.4	168.9	168.9	168.9
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	32.1	31.9	31.9	31.3	35.4	35.4

Source: FAO. 2022. FAOSTAT: SDG Indicators. In: FAO. Rome. Cited October 2022. <https://www.fao.org/faostat/en/#data/SDGB>

TABLE 55.
CROPLAND NITROGEN BUDGET (KG PER HA)

COUNTRY	2020					CROPLAND NITROGEN BUDGET		
	INPUT: ATMOSPHERIC DEPOSITION	INPUT: BIOLOGICAL FIXATION	INPUT: MANURE APPLIED TO SOILS	INPUT: SYNTHETIC FERTILIZERS	OUTPUT: CROP REMOVAL	2000	2010	2020
World	10.0	25.1	16.8	68.8	66.2	47.8	54.5	54.4
Africa	6.0	11.2	5.7	15.7	26.5	8.3	9.5	12.1
Americas	6.5	61.9	15.3	61.2	104.6	33.0	34.5	40.3
Asia	16.0	20.1	21.2	108.8	72.9	79.9	98.0	93.3
Europe	6.8	4.3	21.7	51.4	46.4	40.1	38.0	37.9
Oceania	1.8	5.2	4.7	39.6	29.2	3.4	8.0	22.1
Afghanistan	2.9	0.9	8.9	5.5	18.3	4.8	0.2	-0.2
Albania	6.7	1.8	39.8	48.3	26.5	60.6	64.7	70.0
Algeria	6.2	1.2	2.9	10.5	18.8	8.5	1.5	2.0
Andorra								
Angola	5.1	10.6	12.1	4.6	20.0	3.9	6.5	12.3
Antigua and Barbuda	6.4	0.0	48.9	0.3	6.7	60.5	44.6	48.9
Argentina	5.3	98.0	5.6	42.3	134.5	6.0	16.5	16.7
Armenia	18.8	0.4	10.1	102.4	20.3	21.2	39.7	111.3
Australia	1.8	5.4	4.0	39.9	27.7	5.4	9.2	23.4
Austria	10.5	8.8	62.0	70.4	87.9	91.0	68.3	63.8
Azerbaijan	5.5	0.6	5.5	66.8	39.0	-8.3	-4.1	39.3
Bahamas	6.4	7.5	65.0	92.1	53.2	36.7	74.0	117.9
Bahrain	18.8	0.2	233.8	386.7	19.2	37.5	571.4	620.3
Bangladesh	35.4	35.9	28.8	144.2	100.6	123.9	143.6	143.7
Barbados	6.4	19.4	182.4	21.9	66.4	45.6	54.9	163.7
Belarus	6.7	2.8	33.6	80.2	39.2	63.3	103.7	84.1
Belgium	9.7	1.6	158.0	197.0	90.0	286.5	281.3	276.4
Belize	6.4	24.0	8.9	136.4	86.4	-22.0	-39.9	89.2
Benin	5.5	15.5	4.5	16.6	36.5	-0.3	3.6	5.5
Bhutan	11.3	5.4	20.8	8.0	25.8	17.7	16.5	19.7
Bolivia (Plurinational State of)	4.0	48.5	22.7	4.7	59.8	14.1	24.0	20.2
Bosnia and Herzegovina	8.3	2.6	27.3	45.5	33.7	42.3	54.8	50.0
Botswana	3.8	8.0	8.3	38.2	14.4	25.4	92.8	43.9
Brazil	8.2	157.2	22.5	79.1	211.6	34.1	26.8	55.5
Brunei Darussalam	18.8	2.1	407.7	24.3	11.0	362.3	401.7	442.0
Bulgaria	8.9	1.0	11.6	108.5	56.6	35.6	33.1	73.4
Burkina Faso	4.6	8.0	9.9	8.2	27.4	4.9	3.9	3.4
Burundi	5.9	18.7	9.3	4.4	32.1	1.3	0.5	6.3
Cabo Verde								
Cambodia	10.6	22.3	13.1	25.7	49.0	21.2	16.1	22.8
Cameroon	7.5	9.9	5.1	5.0	25.3	7.2	4.3	2.0
Canada	4.4	23.3	5.7	70.5	66.5	17.6	28.7	37.4
Central African Republic	7.4	8.1	11.9	0.1	8.4	14.1	17.5	19.2
Chad								
Chile	1.4	2.1	55.9	111.3	55.5	88.4	129.0	115.2

TABLE 55.
CROPLAND NITROGEN BUDGET (KG PER HA) (CONTINUED)

COUNTRY	2020					CROPLAND NITROGEN BUDGET		
	INPUT: ATMOSPHERIC DEPOSITION	INPUT: BIOLOGICAL FIXATION	INPUT: MANURE APPLIED TO SOILS	INPUT: SYNTHETIC FERTILIZERS	OUTPUT: CROP REMOVAL	2000	2010	2020
China	26.8	26.3	34.5	182.7	127.6	166.3	195.0	142.8
Colombia	6.5	4.7	31.3	53.0	34.1	85.0	136.4	61.5
Comoros								
Congo	7.5	7.4	3.3	4.9	18.6	6.2	1.8	4.5
Costa Rica	4.9	4.7	72.0	161.6	73.9	132.3	110.9	169.4
Côte d'Ivoire	5.9	4.3	2.0	6.8	26.6	-4.1	-3.1	-7.6
Croatia	7.1	12.7	31.3	124.3	85.9	123.1	89.5	89.4
Cuba	3.9	3.8	10.0	8.3	28.3	-9.1	11.0	-2.4
Cyprus	3.3	0.3	40.4	58.3	17.4	84.3	98.9	84.9
Czechia	11.9	2.9	26.8	114.8	84.3	71.8	75.6	72.1
Democratic People's Republic of Korea	14.2	19.1	10.3	10.3	46.3	43.2	62.4	7.6
Democratic Republic of the Congo	5.9	6.3	1.2	1.5	16.3	-0.6	-2.8	-1.3
Denmark	5.3	2.9	71.7	95.6	91.7	94.0	70.1	83.7
Djibouti								
Dominica	6.4	0.7	16.8	5.6	19.1	52.8	8.6	10.5
Dominican Republic	4.4	12.8	54.4	71.9	116.0	30.9	50.0	27.6
Ecuador	5.7	6.8	34.0	87.0	50.8	36.8	64.3	82.8
Egypt	7.4	11.1	6.7	324.5	149.2	203.6	199.3	200.5
El Salvador	6.0	8.6	16.2	65.2	66.1	36.6	49.8	29.9
Equatorial Guinea								
Eritrea	3.8	4.8	8.8	5.0	9.9	20.2	8.4	12.6
Estonia	3.5	11.2	18.0	83.4	62.2	28.2	46.2	53.8
Eswatini								
Ethiopia	11.3	12.2	6.4	22.7	36.3	11.9	9.9	16.3
Fiji	1.8	8.7	26.3	40.3	72.2	-63.6	-8.5	4.9
Finland	2.4	2.3	13.3	45.4	33.0	33.3	35.9	30.3
France	12.1	4.1	39.6	92.4	71.6	90.3	78.4	76.5
Gabon	3.9	7.7	7.2	5.4	13.8	5.5	5.5	10.4
Gambia	5.9	27.1	2.3	0.0	15.7	24.6	20.7	19.7
Georgia	5.2	0.9	13.4	92.3	22.6	42.3	45.9	89.1
Germany	14.8	3.3	47.9	85.3	91.1	100.4	90.1	60.3
Ghana	7.7	13.8	4.7	22.0	46.9	-3.6	-5.0	1.2
Greece	5.5	4.4	17.6	61.0	25.7	41.8	34.4	62.8
Grenada								
Guatemala	5.5	12.8	37.5	106.4	107.4	32.8	28.0	54.8
Guinea	5.0	38.3	4.0	1.9	32.6	3.8	7.5	16.5
Guinea-Bissau								
Guyana	1.9	11.4	17.3	38.0	49.6	-3.5	6.1	19.0
Haiti								
Honduras	3.9	5.3	22.0	54.0	37.8	91.4	36.7	47.4
Hungary	10.3	2.3	19.3	105.7	80.6	55.5	32.9	57.0
Iceland	0.5		33.4	72.8	1.3	133.1	117.4	105.3

TABLE 55.
CROPLAND NITROGEN BUDGET (KG PER HA) (CONTINUED)

COUNTRY	2020					CROPLAND NITROGEN BUDGET		
	INPUT: ATMOSPHERIC DEPOSITION	INPUT: BIOLOGICAL FIXATION	INPUT: MANURE APPLIED TO SOILS	INPUT: SYNTHETIC FERTILIZERS	OUTPUT: CROP REMOVAL	2000	2010	2020
India	21.2	32.2	13.5	121.0	70.6	70.4	100.1	117.3
Indonesia	4.0	8.4	20.7	69.1	53.9	38.8	40.5	48.3
Iran (Islamic Republic of)	4.3	3.7	19.6	52.9	35.6	50.7	54.1	44.8
Iraq	4.2	0.6	3.3	25.0	35.3	57.2	11.9	-2.2
Ireland	3.2	8.6	109.4	164.4	91.9	197.1	165.6	193.8
Israel	18.8	2.4	23.4	94.3	30.4	113.6	108.2	108.5
Italy	8.0	6.8	46.7	63.3	49.4	75.1	62.1	75.3
Jamaica	6.4	2.9	29.9	18.1	35.9	14.4	12.1	21.4
Japan	9.0	13.6	30.8	66.3	54.2	75.0	70.5	65.4
Jordan	5.6	0.8	11.6	45.5	27.8	30.8	30.4	35.7
Kazakhstan	3.1	1.5	6.6	3.6	18.0	-0.6	0.5	-3.2
Kenya	5.4	12.3	11.2	30.1	31.7	14.9	12.4	27.3
Kiribati								
Kuwait	18.8		454.7	175.0	111.0	247.5	218.3	537.4
Kyrgyzstan	3.3	8.3	36.3	25.7	38.1	12.1	23.6	35.4
Lao People's Democratic Republic								
Latvia	4.1	6.7	13.7	77.5	68.0	32.6	30.9	34.0
Lebanon	18.8	4.7	28.2	52.0	46.8	82.5	83.1	56.9
Lesotho								
Liberia								
Libya	4.1	0.8	3.0	7.0	5.8	15.8	17.4	9.1
Lithuania	6.1	11.1	14.7	84.2	78.3	35.6	60.1	37.8
Luxembourg	6.7	1.2	45.7	82.2	51.6	83.8	79.0	84.2
Madagascar	3.8	15.6	12.1	5.3	27.9	3.3	-1.8	8.8
Malawi	5.4	35.2	30.8	20.3	48.2	6.7	28.4	43.4
Malaysia	4.4	2.0	10.7	53.6	49.8	26.1	51.7	20.8
Maldives	18.8	1.5		43.1	49.6	-28.1	6.4	13.7
Mali	4.5	9.9	5.6	20.9	31.8	0.0	0.8	9.1
Malta	6.7	0.0	133.1	56.5	15.5	237.7	154.7	180.8
Marshall Islands								
Mauritania								
Mauritius	5.9	14.1	19.2	105.4	161.4	-68.9	-94.5	-16.7
Mexico	4.7	5.3	22.8	66.4	46.5	46.0	32.5	52.8
Micronesia (Federated States of)								
Mongolia	1.6	0.1	126.0	32.1	8.0	92.9	67.0	151.7
Montenegro	5.9	6.3	321.3	98.3	36.9		539.8	394.8
Morocco	4.0	2.6	3.6	21.1	14.1	19.1	8.1	17.3
Mozambique	5.5	13.8	5.3	8.1	20.0	9.2	9.0	12.6
Myanmar	8.8	44.7	40.3	35.0	58.4	32.5	20.8	70.4
Namibia	3.1	2.1	7.2	3.4	7.0	4.8	9.7	8.8
Nauru	1.8		53.1	0.0	126.2	-60.7	-75.7	-71.4
Nepal	30.8	30.9	46.4	49.4	104.9	44.1	28.1	52.5

TABLE 55.
CROPLAND NITROGEN BUDGET (KG PER HA) (CONTINUED)

COUNTRY	2020					CROPLAND NITROGEN BUDGET		
	INPUT: ATMOSPHERIC DEPOSITION	INPUT: BIOLOGICAL FIXATION	INPUT: MANURE APPLIED TO SOILS	INPUT: SYNTHETIC FERTILIZERS	OUTPUT: CROP REMOVAL	2000	2010	2020
Netherlands	12.7	0.0	135.9	98.2	71.7	200.3	184.4	175.2
New Zealand	2.9	2.5	11.5	75.9	47.5	6.3	31.9	45.3
Nicaragua	4.6	13.6	24.4	38.1	42.5	17.3	37.8	38.1
Niger	4.4	4.3	1.9	0.3	12.8	2.6	-1.6	-1.8
Nigeria	6.7	14.2	4.6	11.3	29.8	-2.4	3.4	6.9
North Macedonia	6.2	1.7	27.3	47.4	36.4	40.6	46.1	46.2
Norway	1.7	0.3	58.9	132.2	32.5	142.2	137.9	160.6
Oman	3.2	0.0	14.4	95.3	58.1	40.1	114.4	54.8
Pakistan	15.7	5.9	31.6	114.1	45.9	64.8	103.7	121.5
Palau								
Panama	5.0	6.6	24.7	26.9	34.9	27.5	34.1	28.3
Papua New Guinea	1.2	0.8	15.3	26.4	50.6	-25.8	-13.6	-6.8
Paraguay	6.7	148.1	8.0	22.6	172.3	14.6	15.3	13.1
Peru	2.2	5.1	21.0	58.0	36.8	29.5	30.6	49.5
Philippines	3.3	12.1	14.7	69.1	75.6	13.7	8.0	23.6
Poland	12.3	4.1	29.7	69.2	70.2	48.4	67.7	45.1
Portugal	3.1	1.1	49.6	48.9	18.7	67.0	76.6	84.0
Qatar	3.8		11.2	68.8	11.2	45.6	92.4	72.5
Republic of Korea	15.2	17.2	83.6	161.3	76.5	206.8	169.9	200.9
Republic of Moldova	7.0	2.1	13.7	32.0	23.7	3.0	-1.4	31.2
Romania	7.4	3.1	19.5	64.4	46.3	32.9	29.4	48.1
Russian Federation	4.5	4.1	9.4	20.3	28.5	11.3	12.8	9.7
Rwanda	5.9	22.4	18.3	7.6	36.0	-1.0	2.2	18.2
Saint Kitts and Nevis	6.4	3.8	15.8	2.5	14.4	17.1	46.8	14.0
Saint Lucia	6.4	0.3	32.3	28.9	27.0	67.0	32.3	40.9
Saint Vincent and the Grenadines								
Samoa	0.5	0.0	22.9	0.3	90.7	-38.1	-64.0	-67.0
San Marino								
Sao Tome and Principe								
Saudi Arabia	3.0	0.3	6.8	49.2	10.1	50.3	40.5	49.2
Senegal	2.5	44.2	7.0	14.6	44.2	21.6	23.0	24.2
Serbia	7.8	12.7	24.9	94.0	88.2		33.6	51.3
Seychelles	5.9		55.9	29.7	59.7	44.3	21.4	31.7
Sierra Leone								
Singapore								
Slovakia	10.5	5.9	18.4	101.7	80.3	58.0	55.5	56.2
Slovenia	7.3	1.6	50.8	66.4	58.2	171.0	74.3	67.9
Solomon Islands								
Somalia								
South Africa	4.9	9.4	3.8	35.0	38.7	10.4	13.3	14.4
South Sudan								
Spain	6.3	2.5	33.1	61.3	42.7	61.1	60.1	60.5

TABLE 55.
CROPLAND NITROGEN BUDGET (KG PER HA) (CONTINUED)

COUNTRY	2020					CROPLAND NITROGEN BUDGET		
	INPUT: ATMOSPHERIC DEPOSITION	INPUT: BIOLOGICAL FIXATION	INPUT: MANURE APPLIED TO SOILS	INPUT: SYNTHETIC FERTILIZERS	OUTPUT: CROP REMOVAL	2000	2010	2020
Sri Lanka	3.8	12.8	5.9	86.2	58.3	50.3	47.2	50.5
Sudan	4.7	13.9	4.2	3.8	13.1			13.4
Suriname	1.1	24.3	32.0	97.6	73.8	71.7	153.8	81.2
Sweden	3.6	3.2	24.9	82.2	55.9	61.3	57.2	58.1
Switzerland	10.0	2.8	117.1	68.2	68.5	147.8	147.8	129.7
Syrian Arab Republic	4.9	4.3	0.9	6.0	25.6	22.1	10.6	-9.5
Tajikistan	4.2	3.4	55.4	58.6	59.3	9.9	9.6	62.3
Thailand	9.0	14.6	7.5	65.1	48.1	36.7	54.8	48.0
Timor-Leste								
Togo	8.6	7.6	7.3	1.2	15.7	7.0	8.9	9.1
Tonga	1.8	4.8	22.2	2.7	33.3	-21.1	-71.3	-1.8
Trinidad and Tobago	6.4	3.5	184.1	141.5	16.2	88.7	271.7	319.3
Tunisia	5.4	1.7	3.3	14.6	13.3	12.7	16.3	11.7
Türkiye	6.0	4.7	4.1	88.9	48.4	24.0	28.3	55.3
Turkmenistan	2.8	2.1	39.3	176.1	35.6	25.4	135.2	184.8
Tuvalu								
Uganda	9.1	7.9	8.1	0.8	21.2	4.0	7.7	4.8
Ukraine	7.2	5.7	7.8	50.0	51.9	15.2	9.3	18.9
United Arab Emirates	3.3		34.1	168.7	19.0	68.0	282.2	187.1
United Kingdom of Great Britain and Northern Ireland	8.0	9.3	65.4	131.6	78.5	147.2	122.9	135.8
United Republic of Tanzania	4.5	13.4	4.4	10.7	26.5	2.7	5.7	6.6
United States of America	7.1	44.3	12.3	59.1	86.9	37.6	39.7	35.9
Uruguay	7.9	74.0	18.1	79.3	87.7	35.6	52.9	91.6
Uzbekistan	3.4	1.8	63.6	161.9	84.0	99.2	91.7	146.7
Vanuatu								
Venezuela (Bolivarian Republic of)	6.3	2.7	46.1	38.8	20.4	58.7	97.2	73.6
Viet Nam	12.6	20.1	26.5	126.3	80.0	150.7	101.9	105.5
Yemen	2.8	3.7	8.1	6.4	14.4	4.3	10.1	6.6
Zambia	5.9	12.1	6.0	47.1	29.3	3.8	19.8	41.8
Zimbabwe	3.1	5.0	3.5	10.9	15.5	14.9	14.7	7.0

Source: FAO. 2022. FAOSTAT: Cropland nutrient budget. In: FAO. Rome. Cited October 2022. <https://www.fao.org/faostat/en/#data/ESB>

TABLE 56.
GREENHOUSE GAS EMISSIONS ON AGRICULTURAL LAND, 2020 (MILLION TONNES CO₂EQ)

COUNTRY	COMPONENT			GREENHOUSE GAS			TOTAL
	FARM-GATE EMISSIONS	NET FOREST CONVERSION	FIRES IN HUMID TROPICAL FORESTS AND ORGANIC SOILS	CO ₂	CH ₄	N ₂ O	
World	7 350.5	2 945.1	203.2	4 240.2	4 064.8	2 193.7	10 498.7
Africa	1 185.0	1 140.6	101.1	1 238.1	755.0	433.6	2 426.7
Americas	1 780.3	1 298.3	33.2	1 509.9	1 057.5	544.5	3 111.9
Asia	3 314.6	407.5	68.8	1 104.0	1 789.6	897.2	3 790.9
Europe	869.5	82.9	0.0	327.8	362.9	261.6	952.4
Oceania	201.0	15.8	0.1	60.3	99.8	56.7	216.9
Afghanistan	16.1	0.0	0.0	0.1	12.0	4.0	16.1
Albania	3.2	0.0	0.0	0.5	1.9	0.8	3.2
Algeria	13.2	0.6	0.0	1.0	7.9	5.0	13.9
Andorra	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Angola	34.9	35.2	12.7	35.8	25.9	21.1	82.8
Antigua and Barbuda	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Argentina	156.3	54.7	0.6	70.0	96.8	44.8	211.6
Armenia	2.1	0.0	0.0	0.4	0.8	1.0	2.1
Australia	117.8	1.3	0.1	11.9	67.1	40.1	119.1
Austria	8.5	0.2	0.0	1.2	5.2	2.3	8.8
Azerbaijan	9.2	0.5	0.0	1.6	4.3	3.7	9.6
Bahamas	0.1	0.0	0.0	0.1	0.0	0.0	0.1
Bahrain	0.3	0.0	0.0	0.2	0.0	0.1	0.3
Bangladesh	120.5	0.0	0.2	27.9	68.0	24.9	120.7
Barbados	0.1	0.0	0.0	0.0	0.0	0.0	0.1
Belarus	48.4	0.0	0.0	27.4	10.3	10.6	48.4
Belgium	11.7	0.0	0.0	1.9	6.7	3.0	11.7
Belize	0.6	5.0	0.2	5.3	0.3	0.3	5.8
Benin	6.4	10.8	0.1	11.2	3.6	2.4	17.2
Bhutan	0.5	0.0	0.0	0.0	0.4	0.1	0.5
Bolivia (Plurinational State of)	31.8	67.7	8.1	68.3	27.1	12.2	107.5
Bosnia and Herzegovina	2.8	0.0	0.0	0.2	1.6	1.0	2.8
Botswana	7.1	40.5	0.0	41.6	3.4	2.6	47.6
Brazil	567.0	653.4	20.3	678.0	392.4	170.4	1 240.8
Brunei Darussalam	0.5	0.0	0.1	0.4	0.0	0.1	0.6
Bulgaria	7.2	3.2	0.0	5.1	2.1	3.3	10.4
Burkina Faso	25.3	6.5	0.0	6.9	16.4	8.5	31.8
Burundi	6.5	0.0	0.0	3.7	1.4	1.4	6.5
Cabo Verde	0.1	0.0	0.0	0.0	0.1	0.0	0.1
Cambodia	22.8	31.2	2.1	31.4	20.0	4.7	56.1
Cameroon	15.9	32.9	1.8	35.1	9.4	6.0	50.5
Canada	102.2	96.1	0.0	137.8	26.4	34.1	198.3
Central African Republic	18.0	13.9	19.6	14.0	21.1	16.4	51.5
Chad	81.9	23.3	1.1	23.3	58.1	24.9	106.3
Chile	12.9	0.0	0.0	2.0	6.2	4.7	12.9
China	786.5	0.0	0.0	114.0	378.5	294.0	786.5

TABLE 56.
GREENHOUSE GAS EMISSIONS ON AGRICULTURAL LAND, 2020 (MILLION TONNES CO₂EQ) (CONTINUED)

COUNTRY	COMPONENT			GREENHOUSE GAS			TOTAL
	FARM-GATE EMISSIONS	NET FOREST CONVERSION	FIRES IN HUMID TROPICAL FORESTS AND ORGANIC SOILS	CO ₂	CH ₄	N ₂ O	
Colombia	76.9	82.5	0.4	87.2	54.0	18.6	159.7
Comoros	0.3	0.1	0.0	0.1	0.3	0.0	0.4
Congo	7.0	6.8	0.5	10.7	1.8	1.8	14.3
Costa Rica	4.4	0.0	0.0	0.2	2.8	1.4	4.4
Côte d'Ivoire	10.9	23.7	0.1	27.6	3.8	3.1	34.6
Croatia	3.4	0.5	0.0	1.2	1.5	1.2	3.8
Cuba	12.9	0.0	0.1	2.6	7.8	2.6	13.0
Cyprus	0.5	0.0	0.0	0.1	0.2	0.2	0.6
Czechia	7.7	1.0	0.0	2.4	3.2	3.0	8.7
Democratic People's Republic of Korea	5.8	3.1	0.0	3.5	4.0	1.4	8.9
Democratic Republic of the Congo	28.4	600.8	30.5	601.8	31.5	26.4	659.7
Denmark	13.8	2.3	0.0	5.0	6.9	4.2	16.1
Djibouti	0.8	0.0	0.0	0.0	0.5	0.2	0.8
Dominica	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dominican Republic	10.2	0.6	0.0	1.0	7.1	2.7	10.8
Ecuador	14.2	26.0	0.0	26.7	9.6	4.0	40.3
Egypt	26.5	0.2	0.0	3.9	11.2	11.6	26.7
El Salvador	2.3	1.1	0.0	1.4	1.3	0.7	3.4
Equatorial Guinea	0.1	3.8	0.0	3.9	0.0	0.0	3.9
Eritrea	4.9	0.7	0.0	0.7	3.4	1.5	5.5
Estonia	5.1	0.0	0.0	3.2	0.7	1.2	5.1
Eswatini	1.0	0.3	0.0	0.4	0.7	0.3	1.4
Ethiopia	142.1	31.2	0.2	39.1	89.0	45.5	173.6
Fiji	0.7	0.0	0.0	0.2	0.4	0.2	0.7
Finland	14.6	0.0	0.0	8.9	2.4	3.4	14.6
France	89.6	0.0	0.0	16.3	45.0	28.4	89.6
Gabon	1.5	5.7	0.0	6.6	0.2	0.3	7.2
Gambia	1.4	0.5	0.0	0.6	1.1	0.3	1.9
Georgia	2.2	0.0	0.0	0.1	1.2	0.9	2.2
Germany	76.6	0.0	0.0	18.7	34.9	23.0	76.6
Ghana	12.7	0.0	0.3	0.7	6.9	5.3	12.9
Greece	9.2	0.0	0.0	1.8	4.4	3.1	9.2
Grenada	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Guatemala	11.5	4.4	0.3	4.8	7.5	3.9	16.3
Guinea	23.9	11.4	0.1	12.7	16.6	6.0	35.4
Guinea-Bissau	2.0	1.5	0.2	1.5	1.4	0.8	3.7
Guyana	7.0	9.7	0.0	14.3	1.7	0.8	16.8
Haiti	4.8	0.6	0.0	0.8	3.4	1.2	5.4
Honduras	7.8	5.5	0.9	5.8	5.7	2.7	14.2
Hungary	15.6	0.4	0.0	8.1	2.9	5.0	15.9
Iceland	1.3	0.0	0.0	0.6	0.3	0.3	1.3

TABLE 56.
GREENHOUSE GAS EMISSIONS ON AGRICULTURAL LAND, 2020 (MILLION TONNES CO₂EQ) (CONTINUED)

COUNTRY	COMPONENT			GREENHOUSE GAS			TOTAL
	FARM-GATE EMISSIONS	NET FOREST CONVERSION	FIRES IN HUMID TROPICAL FORESTS AND ORGANIC SOILS	CO ₂	CH ₄	N ₂ O	
India	789.3	0.0	0.5	12.7	563.2	213.9	789.8
Indonesia	512.9	221.4	37.9	582.5	109.2	80.5	772.2
Iran (Islamic Republic of)	50.7	0.0	0.0	13.6	20.0	17.1	50.7
Iraq	11.5	0.5	0.0	3.0	4.9	4.0	12.0
Ireland	25.7	0.0	0.0	1.9	15.9	7.9	25.7
Israel	2.8	0.1	0.0	1.2	0.7	1.0	2.8
Italy	43.8	0.0	0.0	8.6	24.2	11.1	43.8
Jamaica	3.5	0.0	0.0	2.9	0.4	0.3	3.5
Japan	43.9	1.7	0.0	21.7	16.0	7.9	45.6
Jordan	1.7	0.0	0.0	0.5	0.7	0.5	1.7
Kazakhstan	32.2	0.0	0.0	3.4	19.7	9.1	32.2
Kenya	55.0	0.0	0.0	0.4	37.2	17.5	55.0
Kiribati	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Kuwait	1.6	0.0	0.0	0.9	0.2	0.4	1.6
Kyrgyzstan	6.0	0.0	0.0	0.0	4.3	1.7	6.0
Lao People's Democratic Republic	11.1	13.1	2.6	13.3	9.8	3.7	26.8
Latvia	5.9	0.6	0.0	3.7	1.1	1.6	6.5
Lebanon	1.1	0.0	0.0	0.3	0.3	0.5	1.1
Lesotho	1.4	0.0	0.0	0.1	0.9	0.4	1.4
Liberia	0.8	13.7	0.1	13.9	0.3	0.3	14.5
Libya	3.6	0.0	0.0	0.6	1.8	1.2	3.6
Lithuania	10.5	0.7	0.0	6.4	1.8	3.1	11.2
Luxembourg	0.7	0.0	0.0	0.1	0.5	0.2	0.7
Madagascar	31.2	4.7	0.3	10.3	19.0	6.9	36.2
Malawi	9.9	7.1	0.3	8.3	4.4	4.5	17.3
Malaysia	60.6	31.4	2.2	80.2	5.6	8.5	94.2
Maldives	0.1	0.0	0.0	0.1	0.0	0.0	0.1
Mali	38.8	0.1	0.0	0.3	25.3	13.3	38.9
Malta	0.1	0.0	0.0	0.0	0.1	0.0	0.1
Marshall Islands	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Mauritania	10.7	0.7	0.0	1.1	7.4	2.8	11.4
Mauritius	0.2	0.0	0.0	0.1	0.0	0.1	0.2
Mexico	115.4	14.8	0.8	26.7	69.1	35.2	131.0
Micronesia (Federated States of)	0.1	0.0	0.0	0.0	0.1	0.0	0.1
Mongolia	33.2	0.2	0.0	3.1	18.5	11.7	33.3
Montenegro	0.5	0.0	0.0	0.0	0.3	0.1	0.5
Morocco	18.2	0.0	0.0	3.1	8.4	6.7	18.2
Mozambique	18.3	53.2	5.2	53.2	13.1	10.4	76.7
Myanmar	116.1	81.5	18.2	109.9	79.8	26.2	215.9
Namibia	10.0	10.6	0.0	11.7	5.4	3.5	20.5
Nauru	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nepal	31.7	0.0	0.2	3.7	22.6	5.7	32.0

TABLE 56.
GREENHOUSE GAS EMISSIONS ON AGRICULTURAL LAND, 2020 (MILLION TONNES CO₂EQ) (CONTINUED)

COUNTRY	COMPONENT			GREENHOUSE GAS			TOTAL
	FARM-GATE EMISSIONS	NET FOREST CONVERSION	FIRES IN HUMID TROPICAL FORESTS AND ORGANIC SOILS	CO ₂	CH ₄	N ₂ O	
Netherlands	28.2	0.0	0.0	9.2	12.9	6.0	28.2
New Zealand	45.7	1.8	0.0	4.1	30.4	13.0	47.5
Nicaragua	12.3	20.4	0.2	20.5	9.3	3.1	32.9
Niger	34.7	1.3	0.0	1.4	23.7	10.9	36.0
Nigeria	90.6	46.0	1.0	49.7	59.2	28.8	137.7
North Macedonia	1.3	0.0	0.0	0.1	0.9	0.4	1.3
Norway	7.0	0.0	0.0	2.0	2.7	2.3	7.0
Oman	3.1	0.0	0.0	1.1	1.3	0.7	3.1
Pakistan	212.8	7.0	0.0	8.0	157.2	54.6	219.8
Palau	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Panama	4.6	3.8	0.0	4.8	2.6	1.0	8.5
Papua New Guinea	35.4	11.5	0.0	42.5	1.1	3.3	46.9
Paraguay	35.4	47.8	0.4	48.9	25.3	9.6	83.7
Peru	28.2	92.9	0.1	93.3	20.3	7.6	121.2
Philippines	67.0	0.0	0.0	0.7	56.0	10.3	67.0
Poland	61.8	0.0	0.0	29.1	17.1	15.7	61.8
Portugal	9.0	0.0	0.0	1.4	5.4	2.1	9.0
Qatar	1.5	0.0	0.0	0.8	0.4	0.2	1.5
Republic of Korea	19.1	2.8	0.0	6.5	10.7	4.7	21.9
Republic of Moldova	1.9	0.0	0.0	0.5	0.7	0.8	1.9
Romania	18.0	5.1	0.0	7.3	9.0	6.8	23.1
Russian Federation	151.0	34.5	0.0	83.6	57.5	44.5	185.5
Rwanda	5.9	0.0	0.0	2.3	2.0	1.6	5.9
Saint Kitts and Nevis	0.0	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	0.0
Saint Vincent and the Grenadines	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Samoa	0.2	0.1	0.0	0.1	0.1	0.0	0.3
San Marino	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sao Tome and Principe	0.0	0.2	0.0	0.2	0.0	0.0	0.2
Saudi Arabia	19.0	0.0	0.0	11.3	3.9	3.8	19.0
Senegal	13.8	4.0	0.1	4.5	8.4	5.0	17.9
Serbia	7.1	6.6	0.0	7.1	3.7	3.0	13.8
Seychelles	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sierra Leone	3.4	3.5	0.0	3.5	2.4	0.9	6.9
Singapore	0.6	0.0	0.0	0.6	0.0	0.1	0.6
Slovakia	2.8	0.0	0.0	0.3	1.2	1.3	2.8
Slovenia	2.1	1.2	0.0	1.6	1.2	0.5	3.3
Solomon Islands	0.1	0.2	0.0	0.2	0.1	0.0	0.3
Somalia	24.0	17.4	0.0	17.4	18.3	5.7	41.4
South Africa	37.4	6.7	0.0	14.4	17.2	12.4	44.0
South Sudan	57.9	0.0	3.1	6.3	32.8	21.8	61.0
Spain	51.5	0.8	0.0	8.2	28.1	15.9	52.3

TABLE 56.
GREENHOUSE GAS EMISSIONS ON AGRICULTURAL LAND, 2020 (MILLION TONNES CO₂EQ) (CONTINUED)

COUNTRY	COMPONENT			GREENHOUSE GAS			TOTAL
	FARM-GATE EMISSIONS	NET FOREST CONVERSION	FIRES IN HUMID TROPICAL FORESTS AND ORGANIC SOILS	CO ₂	CH ₄	N ₂ O	
Sri Lanka	8.7	0.6	0.0	2.0	5.1	2.2	9.3
Sudan	80.0	21.0	0.0	21.7	54.2	25.2	101.1
Suriname	1.9	8.6	0.0	9.7	0.6	0.2	10.5
Sweden	13.9	23.8	0.0	30.3	3.6	3.8	37.7
Switzerland	6.5	0.5	0.0	1.3	4.2	1.5	7.0
Syrian Arab Republic	7.3	0.3	0.0	1.3	3.8	2.5	7.6
Tajikistan	7.2	0.0	0.0	0.1	5.0	2.0	7.2
Thailand	83.2	11.5	4.0	21.5	59.3	17.8	98.6
Timor-Leste	1.0	0.5	0.0	0.5	0.8	0.2	1.5
Togo	3.5	1.1	0.0	1.2	1.9	1.5	4.7
Tonga	0.1	0.0	0.0	0.0	0.1	0.0	0.1
Trinidad and Tobago	0.4	0.1	0.0	0.2	0.1	0.2	0.5
Tunisia	6.1	0.0	0.0	1.4	2.4	2.3	6.1
Türkiye	67.7	0.0	0.0	9.4	28.4	29.8	67.7
Turkmenistan	12.6	0.0	0.0	1.0	7.4	4.2	12.6
Tuvalu	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Uganda	38.5	10.5	0.0	19.1	19.2	10.7	49.0
Ukraine	45.9	1.4	0.0	17.4	10.7	19.2	47.3
United Arab Emirates	4.0	0.0	0.0	1.7	1.5	0.8	4.0
United Kingdom of Great Britain and Northern Ireland	54.9	0.0	0.0	5.0	30.1	19.8	54.9
United Republic of Tanzania	69.6	59.2	3.9	64.8	45.4	22.5	132.6
United States of America	480.5	59.7	0.0	149.5	227.4	163.3	540.2
Uruguay	28.0	0.0	0.0	0.7	20.5	6.8	28.0
Uzbekistan	37.4	0.0	0.0	0.2	24.9	12.3	37.4
Vanuatu	0.3	0.0	0.0	0.0	0.2	0.1	0.3
Venezuela (Bolivarian Republic of)	44.5	39.9	0.6	43.2	30.9	10.8	84.9
Viet Nam	80.8	0.0	0.7	7.2	53.6	20.7	81.5
Yemen	8.2	0.0	0.0	0.1	5.3	2.9	8.2
Zambia	37.6	19.0	19.8	32.9	22.1	21.3	76.4
Zimbabwe	10.7	10.7	0.0	11.1	6.7	3.6	21.4

Source: FAO. 2022. FAOSTAT: Emissions Totals. In: FAO. Rome. Cited October 2022. <https://www.fao.org/faostat/en/#data/GT>

TABLE 57.
FARM-GATE GREENHOUSE GAS EMISSIONS BY ACTIVITY, 2020 (MILLION TONNES CO₂EQ)

COUNTRY	ENTERIC FERMENTATION	DRAINED ORGANIC SOILS	MANURE LEFT ON PASTURE	RICE CULTIVATION	SYNTHETIC FERTILIZERS	OTHER	TOTAL
World	2 849.7	878.5	772.5	686.1	625.1	1 538.5	7 350.5
Africa	537.3	75.9	246.8	52.8	24.2	248.0	1 185.0
Americas	915.8	92.6	228.5	32.0	143.1	368.5	1 780.3
Asia	1 035.2	491.7	236.5	593.7	362.4	595.0	3 314.6
Europe	277.9	180.0	30.4	7.5	85.2	288.5	869.5
Oceania	83.5	38.3	30.5	0.1	10.2	38.5	201.0
Afghanistan	10.6	0.0	2.7	0.6	0.2	1.9	16.1
Albania	1.6	0.1	0.3		0.2	1.0	3.2
Algeria	7.5	0.0	4.0	0.0	0.4	1.4	13.2
Andorra		0.0				0.0	0.0
Angola	5.6	0.5	2.7	0.1	0.1	26.0	34.9
Antigua and Barbuda	0.0	0.0	0.0		0.0	0.0	0.0
Argentina	90.3	3.5	23.9	1.5	7.7	29.5	156.3
Armenia	0.7	0.0	0.4		0.5	0.5	2.1
Australia	55.6	3.1	21.2	0.0	7.4	30.5	117.8
Austria	4.1	0.1	0.4		0.6	3.3	8.5
Azerbaijan	4.1	0.0	2.1	0.0	1.2	1.8	9.2
Bahamas	0.0	0.0	0.0		0.0	0.1	0.1
Bahrain	0.0	0.0	0.0		0.0	0.2	0.3
Bangladesh	33.0	26.5	8.7	31.8	7.5	13.0	120.5
Barbados	0.0	0.0	0.0		0.0	0.0	0.1
Belarus	8.8	29.7	0.5		2.5	6.8	48.4
Belgium	4.9	0.2	0.4		1.0	5.2	11.7
Belize	0.2	0.2	0.0	0.0	0.1	0.1	0.6
Benin	2.9	0.0	1.4	0.1	0.3	1.7	6.4
Bhutan	0.3	0.0	0.1	0.0	0.0	0.1	0.5
Bolivia (Plurinational State of)	20.4	0.0	5.7	0.3	0.1	5.1	31.8
Bosnia and Herzegovina	1.3	0.1	0.2		0.4	0.9	2.8
Botswana	1.3	1.0	0.6		0.1	4.2	7.1
Brazil	361.0	0.4	92.6	3.1	32.6	77.4	567.0
Brunei Darussalam	0.0	0.4	0.0	0.0	0.0	0.1	0.5
Bulgaria	1.6	1.4	0.2	0.1	2.0	1.8	7.2
Burkina Faso	13.9	0.0	6.7	1.3	0.3	3.1	25.3
Burundi	1.2	4.1	0.6	0.1	0.0	0.4	6.5
Cabo Verde	0.1	0.0	0.0			0.1	0.1
Cambodia	4.8	0.0	0.8	12.7	0.6	3.8	22.8
Cameroon	6.7	2.4	3.3	0.5	0.2	2.7	15.9
Canada	19.7	26.8	4.0		17.0	34.6	102.2
Central African Republic	5.2	0.1	2.5	0.0	0.0	10.2	18.0
Chad	52.6	0.0	21.7	0.4		7.3	81.9
Chile	5.8	0.5	1.9	0.2	1.3	3.2	12.9
China	187.2	2.3	53.9	149.3	142.8	251.0	786.5
Colombia	47.8	0.9	11.9	3.5	2.9	9.8	76.9
Comoros	0.1	0.0	0.0	0.2		0.0	0.3

TABLE 57.
FARM-GATE GREENHOUSE GAS EMISSIONS BY ACTIVITY, 2020 (MILLION TONNES CO₂EQ) (CONTINUED)

COUNTRY	ENTERIC FERMENTATION	DRAINED ORGANIC SOILS	MANURE LEFT ON PASTURE	RICE CULTIVATION	SYNTHETIC FERTILIZERS	OTHER	TOTAL
Congo	0.4	4.3	0.2	0.0	0.0	2.1	7.0
Costa Rica	2.7	0.1	0.5	0.0	0.5	0.6	4.4
Côte d'Ivoire	2.5	3.6	1.5	0.4	0.4	2.5	10.9
Croatia	1.1	0.0	0.1		0.5	1.6	3.4
Cuba	6.8	0.0	1.9	0.6	0.2	3.3	12.9
Cyprus	0.2	0.0	0.1		0.0	0.2	0.5
Czechia	2.7	0.2	0.2		1.6	3.1	7.7
Democratic People's Republic of Korea	1.4	0.1	0.5	2.3	0.2	1.2	5.8
Democratic Republic of the Congo	1.8	0.7	1.0	0.9	0.1	23.9	28.4
Denmark	4.0	1.6	0.3		1.3	6.7	13.8
Djibouti	0.5	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	0.0	1.6	1.4	0.5	1.3	10.2
Ecuador	7.4	0.1	1.9	1.8	1.1	1.7	14.2
Egypt	6.3	0.0	3.0	4.3	6.9	6.0	26.5
El Salvador	1.2	0.0	0.3	0.0	0.2	0.5	2.3
Equatorial Guinea	0.0	0.0	0.0			0.1	0.1
Eritrea	3.2	0.0	1.3		0.0	0.2	4.9
Estonia	0.6	3.5	0.1		0.2	0.7	5.1
Eswatini	0.6	0.0	0.3	0.0		0.1	1.0
Ethiopia	83.9	7.9	38.4	0.2	2.3	9.5	142.1
Fiji	0.3	0.1	0.1	0.0	0.0	0.2	0.7
Finland	1.9	9.5	0.2		0.8	2.3	14.6
France	36.8	6.6	3.9	0.2	11.5	30.7	89.6
Gabon	0.1	0.9	0.1	0.0	0.0	0.4	1.5
Gambia	0.5	0.0	0.2	0.5	0.0	0.2	1.4
Georgia	1.1	0.0	0.6		0.2	0.2	2.2
Germany	26.3	14.4	2.3		7.0	26.7	76.6
Ghana	3.8	0.1	2.2	0.6	0.6	5.3	12.7
Greece	3.4	1.7	1.1	0.5	1.1	1.4	9.2
Grenada	0.0	0.0	0.0			0.0	0.0
Guatemala	7.0	0.0	1.7	0.0	1.2	1.7	11.5
Guinea	8.4	1.0	4.0	6.1	0.0	4.4	23.9
Guinea-Bissau	0.9	0.0	0.4	0.2		0.5	2.0
Guyana	0.2	4.4	0.1	1.4	0.1	0.8	7.0
Haiti	3.1	0.0	0.9	0.2		0.5	4.8
Honduras	4.8	0.0	1.2	0.0	0.5	1.3	7.8
Hungary	2.2	6.9	0.2	0.0	2.5	3.9	15.6
Iceland	0.3	0.1	0.1		0.1	0.7	1.3
India	392.1	7.4	58.8	133.0	112.6	85.4	789.3
Indonesia	30.7	363.1	12.8	63.1	19.5	23.6	512.9
Iran (Islamic Republic of)	15.7	0.0	6.9	2.6	5.0	20.6	50.7
Iraq	3.7	0.0	1.9	0.8	1.0	4.2	11.5
Ireland	13.8	2.8	1.5		2.1	5.5	25.7

TABLE 57.
FARM-GATE GREENHOUSE GAS EMISSIONS BY ACTIVITY, 2020 (MILLION TONNES CO₂EQ) (CONTINUED)

COUNTRY	ENTERIC FERMENTATION	DRAINED ORGANIC SOILS	MANURE LEFT ON PASTURE	RICE CULTIVATION	SYNTHETIC FERTILIZERS	OTHER	TOTAL
Israel	0.6	0.0	0.5		0.3	1.4	2.8
Italy	16.2	0.9	1.9	3.2	3.2	18.4	43.8
Jamaica	0.4	0.3	0.1	0.0	0.0	2.7	3.5
Japan	6.0	4.8	1.4	8.5	2.0	21.1	43.9
Jordan	0.6	0.0	0.4		0.1	0.6	1.7
Kazakhstan	16.6	0.0	3.5	0.6	0.4	11.1	32.2
Kenya	35.6	0.1	15.2	0.1	1.0	3.0	55.0
Kiribati	0.0	0.0	0.0			0.0	0.0
Kuwait	0.2	0.0	0.2		0.0	1.1	1.6
Kyrgyzstan	3.9	0.0	0.8	0.1	0.1	1.0	6.0
Lao People's Democratic Republic	5.0	0.0	0.9	2.3		2.9	11.1
Latvia	0.9	3.3	0.1		0.5	1.1	5.9
Lebanon	0.2	0.0	0.3		0.1	0.4	1.1
Lesotho	0.8	0.0	0.4			0.2	1.4
Liberia	0.1	0.2	0.1	0.1		0.2	0.8
Libya	1.7	0.0	1.0		0.1	0.8	3.6
Lithuania	1.5	6.6	0.1		1.0	1.3	10.5
Luxembourg	0.4	0.0	0.0		0.1	0.2	0.7
Madagascar	8.8	6.0	4.1	8.3	0.1	3.9	31.2
Malawi	3.5	1.3	1.8	0.1	0.4	2.7	9.9
Malaysia	1.2	48.1	0.8	3.2	2.1	5.1	60.6
Maldives		0.0			0.0	0.1	0.1
Mali	20.6	0.0	9.7	1.8	0.9	5.9	38.8
Malta	0.0	0.0	0.0		0.0	0.1	0.1
Marshall Islands		0.0				0.0	0.0
Mauritania	6.6	0.0	2.7	0.5		0.9	10.7
Mauritius	0.0	0.0	0.1	0.0	0.0	0.1	0.2
Mexico	65.1	0.0	18.8	0.2	7.8	23.6	115.4
Micronesia (Federated States of)	0.0	0.0	0.0	0.0		0.1	0.1
Mongolia	17.8	6.2	6.0		0.2	3.0	33.2
Montenegro	0.3	0.0	0.0		0.0	0.1	0.5
Morocco	7.9	0.0	4.6	0.0	1.2	4.5	18.2
Mozambique	3.0	0.0	1.5	0.6	0.3	12.9	18.3
Myanmar	35.7	20.7	6.3	29.2	2.1	22.1	116.1
Namibia	3.2	0.0	1.5		0.0	5.3	10.0
Nauru	0.0	0.0	0.0		0.0	0.0	0.0
Nepal	16.7	3.0	2.8	4.3	0.7	4.1	31.7
Netherlands	9.3	3.0	0.8		1.2	13.8	28.2
New Zealand	26.9	1.5	9.0		2.6	5.7	45.7
Nicaragua	8.8	0.0	2.1	0.1	0.4	0.9	12.3
Niger	22.6	0.0	10.0	0.1	0.0	2.0	34.7
Nigeria	38.4	0.0	20.0	16.1	2.4	13.7	90.6
North Macedonia	0.7	0.0	0.1	0.0	0.1	0.3	1.3
Norway	2.3	2.1	0.3		0.6	1.7	7.0

TABLE 57.
FARM-GATE GREENHOUSE GAS EMISSIONS BY ACTIVITY, 2020 (MILLION TONNES CO₂EQ) (CONTINUED)

COUNTRY	ENTERIC FERMENTATION	DRAINED ORGANIC SOILS	MANURE LEFT ON PASTURE	RICE CULTIVATION	SYNTHETIC FERTILIZERS	OTHER	TOTAL
Oman	1.2	0.0	0.5		0.1	1.3	3.1
Pakistan	132.2	0.0	24.6	13.1	19.5	23.5	212.8
Palau		0.0				0.0	0.0
Panama	2.5	1.0	0.7	0.0	0.1	0.3	4.6
Papua New Guinea	0.2	33.5	0.1	0.0	0.1	1.5	35.4
Paraguay	22.3	0.0	5.7	0.7	0.8	5.9	35.4
Peru	16.7	0.2	4.4	2.8	1.7	2.5	28.2
Philippines	8.8	0.0	2.0	44.2	4.1	7.8	67.0
Poland	13.3	18.0	0.8		5.0	24.8	61.8
Portugal	3.7	0.3	0.5	0.4	0.6	3.5	9.0
Qatar	0.4	0.0	0.2		0.0	0.9	1.5
Republic of Korea	5.5	0.0	1.2	4.3	1.1	7.0	19.1
Republic of Moldova	0.5	0.2	0.1		0.3	0.9	1.9
Romania	7.4	0.7	1.2	0.0	2.6	6.0	18.0
Russian Federation	43.6	37.1	3.9	1.5	10.6	54.3	151.0
Rwanda	1.8	2.5	0.9	0.1	0.1	0.7	5.9
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
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
Saudi Arabia	3.6	0.0	2.3	0.0	1.0	12.1	19.0
Senegal	5.9	0.0	3.1	0.8	0.3	3.8	13.8
Serbia	2.7	0.0	0.3		1.4	2.8	7.1
Seychelles	0.0	0.0	0.0		0.0	0.0	0.0
Sierra Leone	1.0	0.0	0.6	1.1		0.7	3.4
Singapore	0.0	0.0	0.0			0.6	0.6
Slovakia	1.0	0.0	0.1		0.7	1.0	2.8
Slovenia	1.0	0.2	0.1		0.2	0.7	2.1
Solomon Islands	0.0	0.0	0.0	0.0		0.1	0.1
Somalia	17.5	0.0	5.5	0.0		1.0	24.0
South Africa	15.1	0.5	7.6	0.0	2.1	12.1	37.4
South Sudan	20.2	7.9	9.2			20.6	57.9
Spain	17.3	0.5	2.7	1.4	5.8	23.7	51.5
Sri Lanka	1.7	1.6	0.3	3.2	1.3	0.7	8.7
Sudan	50.1	0.0	21.5	0.0	0.7	7.7	80.0
Suriname	0.1	0.9	0.0	0.5	0.0	0.4	1.9
Sweden	3.0	6.5	0.3		1.2	2.9	13.9
Switzerland	3.5	0.4	0.3		0.2	2.0	6.5
Syrian Arab Republic	3.6	0.0	1.9		0.1	1.7	7.3
Tajikistan	4.6	0.0	0.9	0.1	0.4	1.2	7.2
Thailand	7.9	1.4	1.8	46.6	8.1	17.3	83.2
Timor-Leste	0.6	0.0	0.1	0.1		0.2	1.0

TABLE 57.
FARM-GATE GREENHOUSE GAS EMISSIONS BY ACTIVITY, 2020 (MILLION TONNES CO₂EQ) (CONTINUED)

COUNTRY	ENTERIC FERMENTATION	DRAINED ORGANIC SOILS	MANURE LEFT ON PASTURE	RICE CULTIVATION	SYNTHETIC FERTILIZERS	OTHER	TOTAL
Togo	1.4	0.0	0.8	0.0	0.0	1.3	3.5
Tonga	0.0	0.0	0.0		0.0	0.0	0.1
Trinidad and Tobago	0.1	0.0	0.1	0.0	0.0	0.2	0.4
Tunisia	2.2	0.0	1.5		0.5	2.0	6.1
Türkiye	26.2	0.0	14.4	1.0	11.3	14.7	67.7
Turkmenistan	6.0	0.0	1.5	0.8	1.6	2.6	12.6
Tuvalu	0.0	0.0	0.0			0.0	0.0
Uganda	17.7	8.8	8.2	0.1	0.0	3.6	38.5
Ukraine	7.6	14.2	0.5	0.1	9.5	14.0	45.9
United Arab Emirates	1.4	0.0	0.6		0.1	1.9	4.0
United Kingdom of Great Britain and Northern Ireland	26.2	6.9	4.3		5.3	12.2	54.9
United Republic of Tanzania	31.4	6.0	14.3	6.9	0.9	10.1	69.6
United States of America	168.9	49.4	34.4	11.8	64.1	151.9	480.5
Uruguay	19.0	0.2	5.0	1.1	1.1	1.6	28.0
Uzbekistan	23.0	0.0	4.1	0.3	4.0	6.1	37.4
Vanuatu	0.2	0.0	0.1			0.1	0.3
Venezuela (Bolivarian Republic of)	27.2	2.4	6.8	0.9	0.8	6.4	44.5
Viet Nam	13.0	5.9	3.1	35.7	10.0	13.1	80.8
Yemen	5.1	0.0	2.7		0.1	0.4	8.2
Zambia	3.8	16.1	1.9	0.0	1.1	14.6	37.6
Zimbabwe	6.1	0.0	2.8	0.0	0.3	1.5	10.7

Source: FAO. 2022. FAOSTAT: Emissions Totals. In: FAO. Rome. Cited October 2022. <https://www.fao.org/faostat/en/#data/GT>

TABLE 58.
EMISSIONS INTENSITY OF AGRICULTURAL COMMODITIES, 2020 (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	30.3	24.4	1.8	0.6	5.6	1.0	0.6	1.1	0.2
Africa	65.9	36.0	7.1	1.0	8.0	3.2	0.9	1.6	0.2
Americas	29.4	41.0	2.3	0.4	6.6	0.7	0.4	1.1	0.2
Asia	29.0	17.3	1.4	0.9	5.8	1.1	0.5	1.1	0.2
Europe	17.2	27.7	1.7	0.3	3.3	0.6	0.9	4.3	0.2
Oceania	21.2	27.3	4.7	0.3		0.8	0.4	1.5	0.3
Afghanistan	12.8	13.0		0.4	7.5	3.9	2.6	1.4	0.1
Albania	4.5	8.5	5.4	0.5	5.0	1.6	0.9		0.3
Algeria	7.4	7.5	11.3	1.8	7.0	0.7	0.4	122.6	0.1
Andorra									
Angola	57.6	55.5	6.4	3.6		3.8	1.0	7.6	0.2
Antigua and Barbuda	32.2	525.8	18.6	6.0		2.9	1.1		0.0
Argentina	33.3	54.1	1.7	0.1		0.4	0.3	1.4	0.1
Armenia	6.5	3.8	3.2	0.5	2.2	0.8	0.4		1.3
Australia	22.0	32.3	2.8	0.2		0.6	0.3	1.0	0.3
Austria	13.3	18.1	1.6	0.3	0.8	0.6	0.6		0.1
Azerbaijan	11.6	17.6	2.9	0.5	2.2	1.2	0.7	2.6	0.2
Bahamas	7.7	47.6	3.0	1.8		2.5	0.7		0.3
Bahrain	4.3	0.4		4.2	2.6	0.9	0.5		
Bangladesh	94.7	68.8		1.2	4.6	10.1	2.2	0.8	0.1
Barbados	121.4	29.4	1.6	0.8		1.5	1.5		2.1
Belarus	18.1	24.8	1.5	0.2		0.7	1.4		0.3
Belgium	15.5		1.6	0.2		0.6	1.0		0.2
Belize	129.5	128.6	2.7	0.2		3.4	1.0	0.7	0.5
Benin	57.7	62.5	20.9	1.2		9.1	6.3	0.4	0.2
Bhutan	35.2	39.4	2.4	0.1		1.5	1.0	0.8	0.1
Bolivia (Plurinational State of)	72.0	46.4	6.0	1.7	8.3	0.9	1.1	0.8	0.1
Bosnia and Herzegovina	33.3	259.0	20.8	0.7	5.6	1.5	1.6		0.2
Botswana	38.9	38.9	1.9	0.1		1.3	1.1		0.4
Brazil	40.0	43.4	1.9	0.3		1.1	0.4	0.6	0.2
Brunei Darussalam	0.4	32.6	7.2	2.6		6.8	0.6	2.1	
Bulgaria	45.7	15.5	1.9	0.7	4.4	1.0	1.4	5.5	0.3
Burkina Faso	103.2	88.7	17.6	2.1	3.8	14.6	2.0	3.5	0.1
Burundi	60.5	161.7	21.6	1.1	14.4	3.9	1.9	0.7	0.2
Cabo Verde	42.3	50.4	7.3	3.1		2.9	1.0		7.4
Cambodia	88.5		5.4	1.7		15.8	1.4	1.3	0.1
Cameroon	92.0	38.0	15.3	2.4	10.6	3.2	1.7	1.8	0.1
Canada	14.7	13.0	2.4	0.4		0.6	0.5		0.2
Central African Republic	56.7	36.7	14.1	3.9		7.5	1.7	1.3	0.2
Chad	85.7	42.9	11.3	3.1	5.3	8.0	1.7	1.5	0.1
Chile	23.4	43.1	1.0	0.5		0.7	0.3	1.2	0.3
China	14.5	10.3	1.3	0.3	7.9	0.9	0.5	0.9	0.2

TABLE 58.
EMISSIONS INTENSITY OF AGRICULTURAL COMMODITIES, 2020 (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	66.5	600.4	3.2	0.3		1.2	0.3	1.2	0.4
Comoros	43.8	56.4		2.4		1.4	1.1	6.2	0.1
Congo	77.3	60.3	15.3	1.5		1.4	2.0	4.5	0.5
Costa Rica	13.1	41.4	1.2	0.6		1.8	0.2	0.8	0.3
Côte d'Ivoire	54.4	56.4	9.4	4.4		17.2	0.4	0.4	0.2
Croatia	16.0	37.0	2.7	0.5	4.4	0.9	1.2		0.2
Cuba	103.5	33.0	1.9	4.7		1.7	0.5	2.5	0.1
Cyprus	11.9		2.5	0.3		0.3	0.4		0.4
Czechia	29.1	19.9	1.5	0.4		0.4	0.7		0.2
Democratic People's Republic of Korea	46.6	35.9	2.7	0.1		1.1	0.6	1.2	0.1
Democratic Republic of the Congo	77.3	69.7	10.0	6.2		2.1	1.9	0.8	0.2
Denmark	16.7		2.4	0.3		0.5	0.8		0.2
Djibouti	58.2	45.8				5.4			0.0
Dominica	23.8	70.1	2.5	1.5		2.7	0.9		0.1
Dominican Republic	75.1	61.7	1.8	2.0		1.6	0.4	1.7	0.4
Ecuador	28.9	14.5	1.0	1.7	6.5	1.4	0.3	1.7	0.3
Egypt	4.1	8.0	4.5	0.4	4.0	0.8	0.4	1.1	0.3
El Salvador	60.7	31.9	7.6	0.3		1.1	0.5	0.3	0.2
Equatorial Guinea	135.3	84.6	10.4	4.9			1.6		
Eritrea	79.1	71.0		2.0	9.3	11.3	1.5		0.2
Estonia	38.6		2.0	0.2		0.5	0.6		0.1
Eswatini	37.6	11.3	6.7	2.5		6.4	1.0	0.7	0.1
Ethiopia	187.1	62.3	4.3	2.8	11.6	3.0	1.2	1.7	0.1
Fiji	57.1	52.0	18.5	0.7		10.7	0.3	1.6	10.2
Finland	14.6	31.5	1.8	0.1		0.5	0.5		0.2
France	22.0	23.0	1.8	0.6	1.6	0.6	0.5	22.3	0.1
Gabon	38.3	58.8	16.1	2.7		1.4	1.4	1.3	0.3
Gambia	130.7	44.2	7.4	3.1		1.4	1.5	16.8	0.1
Georgia	28.9	30.8	1.8	1.0	4.1	1.6	0.4		0.4
Germany	14.8	11.9	1.5	0.4	0.6	0.6	0.5		0.2
Ghana	66.5	49.5	7.9	4.4		13.9	2.2	0.8	0.2
Greece	29.3	10.7	3.2	0.4	2.1	0.6	1.0	2.3	0.2
Grenada	56.2	27.0	2.6	0.0		3.1	0.5		0.1
Guatemala	29.7	62.9	9.7	0.3		3.5	0.4	0.7	0.4
Guinea	94.0	49.2	15.3	8.6	3.6	7.5	1.6	2.2	0.1
Guinea-Bissau	108.3	63.6	8.8	2.4	2.9	10.7	1.4	1.3	0.1
Guyana	39.0	50.9	3.0	2.4		1.8	1.1	2.1	9.9
Haiti	55.0	35.1	6.7	2.3		9.9	0.6	1.1	0.2
Honduras	73.5	35.5	9.9	0.8		1.8	0.5	0.5	0.4
Hungary	53.3	296.7	1.3	0.2	3.5	0.4	1.1	29.3	0.2
Iceland	25.8	14.3	1.1	0.0		0.8	0.5		3.5
India	141.0	46.5	5.5	0.5	9.0	1.2	0.3	0.9	0.3

TABLE 58.
EMISSIONS INTENSITY OF AGRICULTURAL COMMODITIES, 2020 (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	58.7	37.8	9.0	3.3	8.3	1.8	0.3	1.4	0.2
Iran (Islamic Republic of)	5.6	28.6		1.6	6.6	0.6	0.4	1.5	0.1
Iraq	65.5	16.1		1.9	12.0	2.9	0.6	1.8	0.1
Ireland	17.5	18.9	1.5	0.3		0.8	0.9		0.2
Israel	4.1	5.9	3.6	0.3	2.7	0.2	0.4		0.3
Italy	13.8	24.2	2.1	0.3	3.3	0.7	1.1	2.5	0.2
Jamaica	43.4	61.0	6.0	0.4		1.1	0.4		0.4
Japan	11.5	15.0	1.0	0.3	2.4	0.3	0.4	1.0	0.2
Jordan	1.4	8.5		0.5	5.2	0.3	0.1		0.1
Kazakhstan	18.2	24.7	1.2	0.3	2.6	1.1	0.4	1.4	0.1
Kenya	87.5	64.0	6.5	2.1	5.9	2.4	1.1	0.4	0.2
Kiribati			7.0	1.9			2.1		
Kuwait	15.6	3.0		2.9	1.0	0.3	0.7		0.1
Kyrgyzstan	13.6	16.3	0.3	0.0	2.7	1.3	0.7	2.4	0.1
Lao People's Democratic Republic	102.9		9.4	4.6		16.2	0.9	0.7	0.1
Latvia	35.9	30.3	2.4	0.0		0.6	0.5		0.1
Lebanon	1.1	9.1	2.6	2.0	2.6	0.3	0.4		0.1
Lesotho	226.1	732.5	14.6	0.2		1.3	1.1		0.2
Liberia	42.5	65.9	6.7	2.0		1.4	1.1	0.5	
Libya	16.6	38.1		0.8	7.0	1.6	0.8		0.3
Lithuania	20.0	38.6	2.1	0.3		0.7	0.9		0.1
Luxembourg	28.9	61.6	1.9			0.6	0.6		0.3
Madagascar	269.5	144.1	16.8	3.0		6.4	1.3	2.1	0.1
Malawi	42.6	35.7	8.8	0.5	2.8	3.2	1.3	1.3	0.2
Malaysia	29.8	13.9	2.0	0.5		3.2	0.7	1.6	0.2
Maldives									1.7
Mali	189.9	140.8	44.3	3.0	17.8	13.2	3.1	0.7	0.1
Malta	16.7	3.0	4.3	0.6	2.0	0.8	0.7		
Marshall Islands									
Mauritania	66.5	51.2		2.6	6.4	5.3	1.8	1.6	0.2
Mauritius	0.6	36.9	9.3	1.3		3.2	0.6		27.5
Mexico	31.8	24.1	2.4	0.4	5.7	0.5	0.4	2.7	0.2
Micronesia (Federated States of)	141.3		17.4	2.2			2.3	3.8	0.1
Mongolia	38.6	23.6	7.5	2.2	12.9	5.2	0.4		0.3
Montenegro	8.8	26.6	2.6	0.1	3.9	1.6	1.0		0.7
Morocco	6.9	25.5	3.2	0.7	6.2	1.3	1.0	3.3	0.3
Mozambique	174.1	82.9	4.7	0.6		1.5	1.2	4.4	0.3
Myanmar	59.4	25.5	3.6	0.7	13.3	5.0	0.8	1.3	0.1
Namibia	109.1	40.1	4.0	1.3		4.2	2.1		0.2
Nauru			19.7	0.0			0.3		
Nepal	113.3	38.5	7.7	3.7	3.9	2.6	0.8	0.9	0.1
Netherlands	10.7	14.1	2.0	0.2		0.5	0.7		0.2

TABLE 58.
EMISSIONS INTENSITY OF AGRICULTURAL COMMODITIES, 2020 (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	17.4	19.8	2.3	0.3		0.9	0.3		0.2
Nicaragua	58.7	60.2	9.4	0.6		1.5	0.7	0.2	0.5
Niger	257.6	97.8	7.7	3.4	5.3	5.5	2.2	0.7	0.1
Nigeria	73.3	69.1	6.8	0.8		7.9	1.1	2.1	0.2
North Macedonia	62.6	18.2	3.2	1.1	5.4	1.3	1.4	2.2	0.2
Norway	16.5	31.0	1.7	0.4		0.7	0.6		0.2
Oman	25.2	1.1		2.0	4.2	1.5	0.3		0.2
Pakistan	26.8	27.3		3.0	4.3	1.3	0.6	1.8	0.3
Palau									
Panama	38.2		1.9	0.4		1.7	0.5	0.2	0.4
Papua New Guinea	68.5	49.3	12.5	1.5		40.1	1.5	18.7	4.9
Paraguay	53.6	37.7	4.3	0.7		1.0	0.5	0.7	0.1
Peru	51.4	73.8	4.1	0.3		1.1	0.3	0.9	0.5
Philippines	39.7	56.7	2.1	0.2		1.0	1.0	2.5	0.2
Poland	16.3	84.9	1.2	0.2		0.5	1.1		0.2
Portugal	34.4	42.9	2.2	0.0	1.2	0.6	0.6	3.4	0.4
Qatar	35.4	34.0		0.1	4.5	1.4	0.4		3.2
Republic of Korea	22.5	46.2	1.0	0.4		0.3	0.5	1.1	0.4
Republic of Moldova	10.2	20.0	1.1	2.9	10.1	1.1	1.3		0.2
Romania	19.4	16.8	2.0	0.3	6.2	1.1	2.0	15.6	0.2
Russian Federation	15.6	28.8	1.2	0.3	247.7	0.7	0.9	2.6	0.1
Rwanda	37.1	22.7	29.2	0.9	3.0	3.6	1.1	0.6	0.2
Saint Kitts and Nevis	61.1	179.5	16.2	20.8			1.1		
Saint Lucia	47.9	20.2	3.3	1.2		1.8	0.5		
Saint Vincent and the Grenadines	28.8	34.5	3.8	1.7		1.9	0.4		0.0
Samoa	107.4		33.5	3.3		4.1	0.9		
San Marino									
Sao Tome and Principe	6.5	240.0	21.4	1.5		1.3	2.8		0.1
Saudi Arabia	15.4	15.5		0.7	7.3	0.2	0.5		0.3
Senegal	50.5	49.2	7.0	2.6	13.0	5.9	1.4	0.7	0.1
Serbia	15.2	17.7	2.9	0.2	2.3	1.3	1.0		0.1
Seychelles	16.5		2.9	0.1		2.6	0.5		
Sierra Leone	67.3	105.9	46.6	4.1		1.4	2.5	1.2	0.1
Singapore	7.8			0.0			0.4		
Slovakia	64.5	233.1	1.6	0.4		0.5	1.0		0.2
Slovenia	23.2	25.4	2.3	0.1	2.4	0.7	0.8		0.2
Solomon Islands	40.0		10.5	1.4		2.9	1.1	3.6	
Somalia	85.4	26.6	9.5	3.1	3.4	4.9	1.8	5.7	0.2
South Africa	14.0	28.4	1.2	0.3		0.5	0.5	46.6	0.1
South Sudan	47.7	114.9		2.0	10.2	6.5			0.1
Spain	19.3	36.8	2.1	0.2	1.4	0.5	0.5	3.0	0.2
Sri Lanka	31.2	21.0	14.0	0.3		1.7	0.4	0.8	1.2

TABLE 58.
EMISSIONS INTENSITY OF AGRICULTURAL COMMODITIES, 2020 (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	78.0	14.6		2.1	12.1	5.1	0.8	3.2	0.2
Suriname	41.0	111.2	3.6	1.9		0.9	1.4	1.8	100.6
Sweden	16.7	30.7	1.6	0.0		0.5	0.6		0.2
Switzerland	14.8	20.7	1.6	0.3	0.7	0.7	0.5		0.2
Syrian Arab Republic	7.8	8.0		0.2	3.2	0.8	0.6		0.1
Tajikistan	13.8	13.9	0.0	7.1		2.8	0.6	1.6	0.2
Thailand	70.1	55.8	2.1	0.4		0.6	0.7	1.8	0.2
Timor-Leste	271.7	131.3	8.0	3.3			0.6	1.6	0.1
Togo	80.3	90.3	14.1	2.6		11.2	0.6	0.3	0.1
Tonga	81.7		23.3	3.3		2.6	2.5		
Trinidad and Tobago	58.1	45.4	4.1	2.2		8.5	1.8	22.4	0.3
Tunisia	5.6	23.7	10.9	2.0	2.8	0.6	1.4		0.3
Türkiye	16.5	49.0		0.4	3.6	0.6	0.5	1.1	0.3
Turkmenistan	15.8	24.2	4.7	2.2		1.5	0.4	8.0	0.4
Tuvalu			56.6	2.5			1.7		
Uganda	90.6	43.4	5.2	1.6		4.3	1.0	0.8	0.1
Ukraine	8.4	19.8	1.7	0.3	6.3	0.7	1.5	21.8	0.2
United Arab Emirates	4.4	75.1		1.6	5.9	1.9	0.5		3.0
United Kingdom of Great Britain and Northern Ireland	18.2	35.7	1.5	0.2		0.6	0.7		0.2
United Republic of Tanzania	56.3	58.5	8.9	1.0		4.4	1.0	1.6	0.2
United States of America	13.5	22.1	2.4	0.3		0.5	0.5	1.3	0.2
Uruguay	41.2	57.7	3.3	4.5		0.9	0.3	1.2	0.3
Uzbekistan	17.0	24.1	1.4	1.2		1.0	0.4	3.9	0.2
Vanuatu	120.2		13.2	2.0		18.1	1.1		0.2
Venezuela (Bolivarian Republic of)	68.8	37.1	5.6	1.1		2.6	0.4	2.4	0.2
Viet Nam	28.3		1.4	1.1		1.0	0.9	1.1	0.2
Yemen	19.2	32.1		1.3	9.8	3.5	0.7		0.2
Zambia	22.5	55.8	9.4	2.4		1.3	1.0	2.3	0.4
Zimbabwe	110.7	179.5	6.9	0.2		4.4	1.2	11.4	0.3

Source: FAO. 2022. FAOSTAT: Emissions intensities. In: *FAO*. Rome. Cited October 2022. <https://www.fao.org/faostat/en/#data/EI>

TABLE 59.
TEMPERATURE CHANGE MEASURED OVER LAND (DEGREE CELSIUS)

COUNTRY	2000	2005	2010	2015	2017	2018	2019	2020	2021
World	0.73	1.09	1.21	1.41	1.42	1.28	1.45	1.71	1.44
Africa	0.50	1.09	1.50	1.21	1.20	1.20	1.35	1.27	1.43
Americas	0.73	1.01	1.29	1.33	1.31	0.93	1.21	1.32	1.45
Asia	0.68	0.86	1.25	1.29	1.47	1.34	1.39	1.53	1.55
Europe	1.34	1.53	0.80	2.11	1.97	2.01	2.10	3.35	1.60
Oceania	0.15	1.13	0.65	0.99	1.09	1.09	1.35	1.36	0.63
Afghanistan	1.11	0.49	1.65	1.10	1.57	1.58	0.96	0.54	1.42
Albania	1.11	0.26	1.27	1.67	1.27	2.15	1.82	1.62	1.68
Algeria	0.80	1.24	2.25	1.10	1.50	1.21	1.09	1.91	2.32
Andorra	1.02	0.84	0.41	1.55	1.77	1.76	1.81	2.40	1.37
Angola	0.32	1.21	1.30	1.43	1.06	1.50	1.98	1.39	1.63
Antigua and Barbuda	0.38	0.86	1.15	1.03	0.97	0.69	0.81	1.14	0.87
Argentina	-0.19	0.23	0.10	0.95	1.10	0.88	0.76	1.11	1.01
Armenia	1.04	0.51	2.81	1.92	0.90	2.78	1.85	1.97	2.21
Australia	0.12	1.18	0.62	1.06	1.12	1.11	1.41	1.40	0.59
Austria	1.77	0.64	0.66	2.18	1.75	2.54	2.37	2.32	1.40
Azerbaijan	1.12	0.88	2.36	1.67	1.31	2.25	2.01	2.04	2.11
Bahamas	0.29	0.48	0.40	1.23	1.46	1.17	1.59	1.69	0.69
Bahrain	1.05	0.95	1.99	2.21	1.95	2.11	1.99	1.98	2.43
Bangladesh	0.21	0.63	0.85	0.70	1.09	0.87	1.11	0.92	1.32
Barbados	0.35	1.00	1.09	0.98		0.78	1.11	1.03	1.13
Belarus	1.94	1.27	1.43	2.21	1.56	2.31	2.65	3.48	1.68
Belgium	1.47	1.18	0.22	1.35	1.70	2.15	2.04	2.53	1.15
Belize	0.04	0.72	0.71	1.39	1.14	0.61	1.31	1.51	1.08
Benin	0.54	1.20	1.35	1.32	1.37	1.23	1.33	1.24	1.74
Bhutan	0.05	0.66	1.14	0.88	1.30	1.21	1.13	0.97	1.54
Bolivia (Plurinational State of)	0.27	0.55	0.51	1.29	0.72	0.29	0.71	1.17	0.55
Bosnia and Herzegovina	1.55	0.18	1.03	1.87	1.48	2.33	2.05	1.94	1.67
Botswana	-0.36	1.40	1.17	1.95	0.37	1.06	1.91	0.85	0.00
Brazil	0.53	1.09	1.10	1.59	1.38	1.17	1.55	1.48	1.17
Brunei Darussalam	0.35	0.87	0.76	1.10	1.13	1.07	1.37	1.37	0.97
Bulgaria	1.18	0.18	1.34	1.46	0.99	2.23	2.19	2.18	1.80
Burkina Faso	0.60	1.51	1.35	1.23	1.34	1.27	1.20	1.19	1.77
Burundi									
Cabo Verde	1.41	1.54		1.42	2.34	1.28	1.91	2.18	1.20
Cambodia	0.25	0.77	1.21	1.11	1.09	0.76	1.51	1.37	0.89
Cameroon	0.53	1.12	1.25	1.13	1.10	1.03	1.45	1.01	1.11
Canada	1.31	1.30	2.93	1.22	1.48	0.49	1.32	1.14	2.54
Central African Republic	0.77	1.07	1.14	0.98	1.17	1.18	1.26	1.18	1.31
Chad	0.34	1.16	1.22	1.33	0.97	1.55	1.43	1.15	1.02
Chile	-0.17	0.20	-0.04	0.72	0.72	0.38	0.51	0.77	0.66
China	0.55	1.02	0.94	1.28	1.57	1.35	1.41	1.64	1.72

TABLE 59.
TEMPERATURE CHANGE MEASURED OVER LAND (DEGREE CELSIUS) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2017	2018	2019	2020	2021
Colombia	-0.08	0.65	0.92	1.13	0.66	1.00	1.25	1.41	0.90
Comoros	0.16	0.46	0.73	0.53	0.75	0.51	1.10	0.83	0.45
Congo	0.48	0.89	1.30	1.21	1.18	1.28	1.46	1.61	1.41
Costa Rica	-0.30	0.34	0.71						
Côte d'Ivoire	0.49	1.11	1.35	1.42	1.71	1.45	1.51	1.50	1.62
Croatia	1.62	0.31	0.88	1.93	1.56	2.32	2.12	2.02	1.62
Cuba	0.54	0.58	0.47	1.11	1.28	1.11	1.57	1.60	1.31
Cyprus	0.59	0.33	1.98	1.18	0.84	2.18	1.59	1.75	2.08
Czechia	1.90	0.74	0.40	2.11	1.59	2.64	2.53	2.33	1.29
Democratic People's Republic of Korea	0.64	0.89	0.43	1.22	1.63	0.90	1.89	1.97	1.97
Democratic Republic of the Congo	0.53	1.01	1.33	1.20	1.40	1.55	1.63	1.90	1.82
Denmark	1.72	1.28	-0.20	1.52	1.62	2.12	2.19	2.64	1.69
Djibouti	0.85	1.22	1.05	1.70	1.77	1.20	1.35		
Dominica	0.35	0.86	1.23	0.98	0.91	0.65	0.77	1.06	0.79
Dominican Republic	0.60	1.00	1.27	1.35	1.11	1.27	1.25	1.59	1.14
Ecuador	0.19	0.66	0.68	1.34	0.87	0.84	1.06	1.14	0.52
Egypt	-0.04	0.47	2.27	1.12	0.54	1.99	0.98	1.00	1.61
El Salvador	0.27	0.71	0.69	1.42	0.83	0.85	1.03	1.79	1.38
Equatorial Guinea	0.45	0.87	1.00	0.80	1.18	0.57	1.45	1.36	1.04
Eritrea	0.61	0.84	1.64	1.77	1.35	0.91	0.87		1.42
Estonia	2.04	1.58	0.52	2.34	1.47	2.38	2.18	3.60	2.13
Eswatini	-0.07	0.93	1.07	0.88	0.63	1.11	1.59	0.55	0.44
Ethiopia	0.62	1.17	1.29	1.46	1.52	0.96	1.37	1.37	1.51
Fiji	0.76	0.73	0.96	0.63	1.15	0.79	1.02	1.23	1.12
Finland	2.02	2.20	0.23	2.61	1.48	2.14	1.44	3.31	1.92
France	1.14	0.97	0.33	1.51	1.68	1.93	1.89	2.41	1.19
Gabon	0.35	0.75	0.98	0.96	1.11	0.81	1.40	1.29	0.88
Gambia	1.09	1.54	1.38	1.35	1.94	1.21	1.55	1.98	1.88
Georgia	0.97	0.56	2.49	1.76	0.82	2.52	1.74	2.03	1.70
Germany	1.76	1.02	0.18	1.66	1.64	2.38	2.31	2.50	1.30
Ghana	0.51	1.04	1.39	1.33	1.57	1.24	1.49	1.49	1.70
Greece	0.67	0.21	1.55	0.89	0.65	1.90	1.41	1.37	1.72
Grenada	0.45	0.93	1.17	0.92	0.97	0.63	0.89	1.18	0.89
Guatemala	0.46	0.94	0.76	1.26	1.06	0.84	1.36	1.72	1.44
Guinea	0.68	1.23	1.25	1.30	1.66	1.30	1.57	1.45	1.76
Guinea-Bissau	1.13	1.42	1.31	1.39	1.88	1.31	1.64	1.92	1.91
Guyana	0.65	1.14	0.92	1.32	1.25	1.22	1.18	1.53	1.20
Haiti	0.92	1.09	1.28	1.52	1.30	1.49	1.72	1.71	1.05
Honduras	0.13	0.99	0.81	1.13	1.05	0.70	1.11	1.70	1.03
Hungary	1.75	0.26	0.83	2.09	1.37	2.57	2.39	2.03	1.48
Iceland	0.31	0.51	1.22	0.49	1.77	0.89	1.40	0.85	0.99
India	0.31	0.55	1.11	0.68	0.98	0.88	0.81	0.52	0.73

TABLE 59.
TEMPERATURE CHANGE MEASURED OVER LAND (DEGREE CELSIUS) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2017	2018	2019	2020	2021
Indonesia	0.29	0.70	0.76	0.77	0.94	0.87	1.02	1.23	0.99
Iran (Islamic Republic of)	1.12	0.70	2.09	1.73	1.63	1.96	1.51	1.25	2.05
Iraq	0.86	0.37	2.54	1.82	1.46	2.31	1.67	1.82	2.54
Ireland	0.55	1.16	-0.09	0.51	1.32	0.83	1.25	1.12	1.06
Israel	0.31	0.26	2.39	1.41	0.82	2.09	1.30	1.55	1.88
Italy	1.22	0.53	0.70	1.65	1.56	1.79	1.64	1.83	1.48
Jamaica	0.23	0.82	1.00	1.07	0.98	1.19	1.48	1.62	1.30
Japan	0.60	0.70	0.88	0.79	0.75	0.87	1.22	1.38	1.22
Jordan	0.38	0.19	2.64	1.55	1.06	2.10	1.43	1.78	2.09
Kazakhstan	1.49	1.56	1.30	1.61	1.75	0.63	1.47	2.83	1.43
Kenya	0.52	0.73	1.08	1.01	1.39	0.53	1.50	1.20	1.31
Kiribati	0.35		0.74	1.33	1.47	1.37	1.38	1.67	1.13
Kuwait	1.04	0.50	2.44	1.99	1.80	2.17	1.69	1.76	2.46
Kyrgyzstan	1.10	1.16	1.36	1.48	1.43	1.21	1.65	1.37	1.37
Lao People's Democratic Republic	0.10	0.96	1.41	1.41	1.19	0.89	2.12	1.65	1.18
Latvia	2.00	1.33	0.67	2.13	1.47	2.32	2.43	3.51	1.94
Lebanon	0.55	0.32	2.37	1.45	1.14	2.28	1.55	1.80	2.24
Lesotho	0.31	0.87	1.21	1.10	0.82	0.73	1.76	0.76	0.79
Liberia	0.50	1.08	1.40	1.34	1.57	1.35	1.50	1.64	1.57
Libya	0.22	0.66	1.99	0.69	0.27	1.65	0.82	1.07	1.81
Lithuania	2.02	1.20	0.72	2.06	1.51	2.40	2.60	3.39	1.74
Luxembourg	1.64	1.11	0.30	1.50	1.62	2.45	2.14	2.62	1.14
Madagascar	0.38	0.61	1.06	0.98	1.21	0.86	1.33	1.01	1.05
Malawi	0.82	1.47	1.00	1.05	1.35	1.04	1.12	1.43	0.61
Malaysia	0.41	0.89	0.99	1.22	1.19	1.18	1.45	1.42	1.19
Maldives	0.24	0.80	0.64	0.86	0.80	0.76	1.09	1.09	1.03
Mali	0.72	1.47	1.73	1.18	1.52	1.20	1.27	1.17	1.85
Malta	1.03	0.71	1.29	1.46	1.22	1.42	1.24	1.57	2.04
Marshall Islands	-0.08	0.44	0.50	0.62	0.72	0.51	0.72	0.83	0.54
Mauritania	1.13	1.30	1.91	1.38	2.10	1.12	1.47	1.92	1.86
Mauritius	0.02	0.26	1.01	1.06	1.21	0.91	1.31	0.93	0.80
Mexico	0.59	0.74	0.25	1.09	1.55	1.17	1.31	1.64	1.09
Micronesia (Federated States of)	0.23	0.27	0.25	0.55	0.85	0.73	0.79	0.77	0.43
Mongolia	0.99	0.96	0.33	2.13	2.49	2.21	1.85	2.35	1.99
Montenegro			1.27	1.78	1.36	2.32	1.92	1.80	1.70
Morocco	0.96	1.27	2.12	1.24	2.28	0.69	1.58	2.19	1.88
Mozambique	0.35	1.07	0.87	0.91	0.81	0.72	1.08	0.93	0.55
Myanmar	0.11	0.91	1.19	1.12	1.28	1.02	1.69	1.59	1.57
Namibia	0.14	0.98	1.59	1.71	1.46	2.05	2.71	1.55	0.87
Nauru									
Nepal	0.05	0.75	1.21	0.68	1.21	0.74	0.75	0.08	0.45
Netherlands	1.59	1.24	0.09	1.27	1.70	2.11	2.12	2.46	1.29

TABLE 59.
TEMPERATURE CHANGE MEASURED OVER LAND (DEGREE CELSIUS) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2017	2018	2019	2020	2021
New Zealand	0.28	0.45	0.59	0.50	0.55	1.10	1.04	0.83	0.90
Nicaragua	0.05	0.79	0.75	0.98	0.98	0.85	1.11	1.46	0.96
Niger	0.88	1.36	1.75	1.08	1.08	1.26	1.15	0.98	1.64
Nigeria	0.60	1.27	1.52	1.23	1.19	1.09	1.24	1.04	1.50
North Macedonia	1.10	0.18	1.39	1.54	1.17	2.19	1.97	1.67	1.76
Norway	1.45	1.79	-0.32	1.82	1.58	1.51	1.23	2.42	1.53
Oman	0.68	0.91	1.22	1.42	1.59	1.28	1.03	0.70	1.59
Pakistan	0.70	0.23	1.28	0.58	1.31	1.42	0.65	0.43	1.12
Palau	0.55	0.61	0.61	1.23	1.16	1.24		0.43	-0.29
Panama	-0.02	0.51	0.78	1.01	0.71	1.07	1.24	1.31	1.05
Papua New Guinea	0.48	0.69	1.05	0.23	0.94	0.71	0.70	1.08	1.21
Paraguay	0.10	0.38	0.21	1.38	1.02	0.41	1.18	1.37	0.68
Peru	0.46	0.79	1.08	1.20	0.89	0.69	0.95	1.61	1.13
Philippines	0.58	0.67	0.93	0.96	1.05	1.08	1.15	1.32	1.18
Poland	1.88	0.87	0.37	1.97	1.43	2.39	2.62	2.63	1.42
Portugal	0.61	0.94	1.09	1.36	2.12	0.86	1.25	1.95	1.21
Qatar	0.94	0.82	1.92	2.01	1.87	1.98	1.82	1.72	2.16
Republic of Korea	0.45	0.97	0.54	0.95	1.40	0.89	1.41	1.38	1.56
Republic of Moldova	1.48	0.87	1.33	1.94	1.35	2.02	2.34	3.02	1.30
Romania	1.34	0.30	1.15	1.80	1.17	2.28	2.27	2.28	1.50
Russian Federation	1.32	1.70	0.87	2.24	2.13	2.04	2.18	3.69	1.64
Rwanda									
Saint Kitts and Nevis	0.38	0.86	1.15	1.03	0.97	0.69	0.81	1.14	0.87
Saint Lucia	0.36	0.91	1.18	0.95	0.93	0.66	0.87	1.12	0.88
Saint Vincent and the Grenadines	0.45	0.93	1.17	0.91	0.97	0.63	0.88	1.17	0.88
Samoa	0.59	0.77	0.96	0.30	0.72	0.48	0.83	0.72	0.56
San Marino	1.36	0.40	0.61	1.73	1.57	1.85	1.66	1.82	1.32
Sao Tome and Principe	0.53	0.78	1.03	0.81	1.23	0.95	1.34	1.58	1.32
Saudi Arabia	0.74	0.51	2.14	1.91	1.80	1.87	1.80	1.57	2.26
Senegal	0.96	1.35	1.42	1.27	1.87	1.06	1.49	1.76	1.87
Serbia			1.21	1.79	1.34	2.38	2.16	1.91	1.70
Seychelles	0.24	0.51	0.83	0.99	1.01	0.74	1.17	1.21	0.66
Sierra Leone		1.13	1.22	1.09	1.65	1.17	1.52	1.63	1.72
Singapore									
Slovakia	1.63	0.40	0.68	2.10	1.25	2.54	2.42	2.03	1.29
Slovenia	1.80	0.52	0.81	2.17	1.77	2.45	2.37	2.26	1.57
Solomon Islands	0.52	0.63	0.52	0.44	0.58	0.62	0.60	0.58	0.27
Somalia	0.54	1.14	1.22	1.62	1.75	0.81	1.68	1.94	1.79
South Africa	0.27	1.06	1.09	1.18	0.98	0.91	1.75	0.79	0.61
South Sudan				0.99	1.11	0.98	0.77	0.47	0.88
Spain	0.74	0.82	0.84	1.43	1.97	1.07	1.45	1.97	1.31
Sri Lanka	0.60	0.92	1.18	1.07	1.16	0.89	1.34	1.40	1.11

TABLE 59.
TEMPERATURE CHANGE MEASURED OVER LAND (DEGREE CELSIUS) (CONTINUED)

COUNTRY	2000	2005	2010	2015	2017	2018	2019	2020	2021
Sudan				1.42	1.09	1.08	0.82	0.37	1.16
Suriname	0.50	1.31	1.32	1.40	1.56	1.37	1.65	1.83	1.48
Sweden	1.73	1.83	-0.27	2.08	1.59	1.85	1.57	2.95	1.85
Switzerland	1.41	0.80	0.43	1.93	1.78	2.29	2.04	2.45	1.10
Syrian Arab Republic	0.67	0.26	2.50	1.32	1.19	2.44	1.62	1.95	2.40
Tajikistan	1.03	0.79	1.33	1.33	1.40	1.70	1.43	1.09	1.05
Thailand	0.09	0.91	1.32	1.27	1.13	0.89	1.77	1.54	1.07
Timor-Leste		1.31	0.99	0.83	1.31	0.83	1.00	1.76	1.20
Togo	0.64	1.06	1.38	1.32	1.47	1.29	1.44	1.34	1.73
Tonga	0.36	0.54	0.67	0.48	0.80	0.61	1.03	0.93	0.57
Trinidad and Tobago	0.53	0.97	1.20	0.98		0.62	1.22	1.51	1.14
Tunisia	0.99	1.08	1.82	1.20	1.38	1.51	1.32	2.01	2.54
Türkiye	0.48	0.39	2.35	0.78	0.73	2.58	1.64	1.85	1.93
Turkmenistan	1.26	1.27	1.86	1.39	1.65	1.49	1.77	1.48	1.60
Tuvalu	0.58	0.84	0.98	0.85	1.06	1.02	1.13	1.25	0.74
Uganda	0.35	0.97	1.30	0.83	1.40	0.70	1.23	0.85	1.12
Ukraine	1.43	1.01	1.64	2.05	1.40	2.22	2.36	3.01	1.43
United Arab Emirates	0.72	0.68	1.46	1.56	1.67	1.53	1.25	1.28	1.75
United Kingdom of Great Britain and Northern Ireland	0.71	1.11	-0.05	0.63	1.44	1.01	1.25	1.38	0.95
United Republic of Tanzania	0.57	0.99	1.01	0.94	1.35	0.89	1.27	1.01	1.07
United States of America	0.99	1.15	0.69	1.53	1.43	1.27	1.03	1.33	1.17
Uruguay	0.36	0.82	0.30	1.08	1.63	1.29	0.86	1.09	1.03
Uzbekistan	1.41	1.39	1.80	1.42	1.79	1.03	1.93	1.71	1.51
Vanuatu	0.53	0.44	0.83	0.54	1.03	0.45	0.80	1.15	1.07
Venezuela (Bolivarian Republic of)	0.15	0.76	1.14	1.17	0.75	0.81	1.17	1.29	0.72
Viet Nam	0.18	0.91	1.18	1.33	1.21	0.91	1.86	1.59	1.19
Yemen									
Zambia	0.31	1.34	1.48	1.49	0.72	0.73	1.30	1.25	1.00
Zimbabwe	-0.34	1.07	0.92	0.81	0.12	0.41	0.94	0.42	-0.10

Source: FAO. 2022. FAOSTAT: Temperature change. In: FAO. Rome. Cited October 2022. <https://www.fao.org/faostat/en/#data/ET>

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STATISTICAL YEARBOOK
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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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