



INTERNATIONAL STATISTICS
FLOWERS AND PLANTS 2024

Volume 72
PRODUCTION DATA



AIPH



UNION FLEURS

INTERNATIONAL FLOWER TRADE ASSOCIATION

Volume 72
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INTERNATIONAL STATISTICS **FLOWERS AND PLANTS 2024**

PRODUCTION DATA

INTERNATIONAL STATISTICS FLOWERS AND PLANTS 2024

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NOTES

Notes on trade data reported in this publication

Introduction

Large parts of the trade statistics reported here are based on the European Union's international trade statistics, as produced by Eurostat. Eurostat trade data measure the value and quantity of goods traded between the Member States of the European Union (known as **intra-EU trade statistics, Intrastat**) and goods traded by the Member States of the EU with third countries (known as **extra-EU trade statistics, Extrastat**). They are the official harmonized source of information about imports, exports and trade balance of the EU and of its Member States as well as of the euro area.

Intra-EU trade statistics data are collected directly from trade operators as a consequence of the abolishment of customs control at the borders between the Member States. The reporting burden is reduced by exempting small traders from any statistical obligations.

Extra-EU trade statistics data are based on customs declarations as required by the Customs authorities in the Member States. The data source used in this publication is Comext Bulk Download, Stat Regime I (normal).

1. Intra-EU and Extra-EU trade

International trade statistics belong to census type of statistics which in principle collect data from all units according to an agreed definition. In order to reduce the statistical burden on businesses, **intra EU trade data** are collected only from the biggest intra-EU traders. An enterprise has to submit Intrastat declarations if its annual intra-EU trade exceeds a certain threshold. Therefore, Intrastat data collection does not cover 100 % of Member States' intra-EU trade. To achieve complete coverage, the loss caused by thresholds and non-response from traders has to be compensated by estimates. These estimates are compiled based on information from the enterprises' fiscal declarations, i.e. VAT returns or recapitulative statements (VIES data). Intrastat declarations submitted by enterprises exceeding the exemption threshold are used to allocate the estimated total trade values by partner and product. Similarly, the loss of coverage due to late-response or non-response is adjusted based on VAT data or historical figures. According to EU legislation the estimates are broken down at least by partner Member State and two-digit codes of the Combined Nomenclature. All tables in this book show details below the two-digit CN-Codes and therefore reflect only data which are submitted with eight digit codes (CN-8 codes). Hence, intra-EU trade volume is under-reported in this book, whereas **extra-EU trade data** in principle provide a complete coverage.

2. Statistical value

The statistical value of the good is based in most of the cases for **intra-EU trade** on the taxable amount determined for VAT purposes and for **extra-EU trade** on the value determined for customs purposes. The statistical value does not include taxes on export or import, such as customs duties, value added tax, excise duty, levies, export refunds or other taxes with similar effect. It includes only incidental expenses (freight, insurance) incurred, in the case of exports/dispatches, in the part of the journey located on the territory of the reporting Member State and, in the case of imports/arrivals, in the part of the journey located outside the territory of the reporting Member State. Hence, it represents the FOB value (free on board) for exports/dispatches, and a CIF value (cost, insurance, freight) for imports/arrivals.

In **intra-EU trade**, the statistical value is not provided systematically by the information providers. It usually differs from the amount agreed on the sales agreement (the invoice value) as a result of the delivery terms used in the transaction; therefore the statistical value must be collected in connection with the invoice value or must be estimated by using other variables such as delivery terms and mode of transport.

Most Member States collect statistical value from the trade operators above the statistical value threshold only and then estimate it for trade operators which remain below this threshold. On the other hand, some Member States do not collect statistical value at all but carry out adjustments on the invoice value in order to estimate it. In **extra-EU trade**, the statistical value is based on customs value.

3. Quantities

The quantity of a commodity is documented essentially in kilograms, this corresponds to the weight of the good without packaging (net mass). However, some Member States do not transmit the net mass anymore when the supplementary unit is collected for intra-trade statistics. In this book quantities are reported in terms of net mass or, where possible in terms of "number of items (pieces)".

4. Revision

In this book, preliminary data are presented for the most recent year (2023), whereas all other items refer to revised data.

Based on: Quality report on International Trade Statistics, 2023 edition, Eurostat, EU Commission

For further explanatory notes, general and special definitions, country and trade codes (CN-codes) and data sources see chapter **V. Additional information**



The world's champion for the power of plants.

Since 1948, AIPH has united horticultural producers in an international community that thrives to this day. Much has changed in that time. Technologies advanced, cities rose from the ground and we have become more connected than ever. As a result, our essential bond with nature has been weakened. AIPH strives to reignite and uphold an appreciation of plants that we believe is a basic human instinct. We support the work of grower associations globally and together we champion a prosperous industry, growing plants that enhance lives, advance societies and sustain our planet, for this generation and the next.

We aim to put flower, plant, and landscaping services on a global agenda, with a vision to:

1. Stimulate increased demand for ornamental trees, plants and flowers worldwide.
2. Protect and promote the interests of the industry.
3. Be an international hub for industry information and knowledge exchange.
4. Lead best practice in ornamental production.
5. To strengthen national grower associations

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Union Fleurs – International Flower Trade Association was founded in 1959 as an international umbrella organization for national associations and companies active in the floricultural trade. Its main purpose is to represent and promote the worldwide interests of traders and wholesalers in cut flowers, foliage and cut greens and pot plants.

Union Fleurs has members in 20 countries worldwide (in Europe, Africa, Middle-East, South and North America, and Asia). Within its membership, Union Fleurs gathers over 3 000 companies worldwide, of which more than 1 500 floricultural traders and wholesalers in the EU. Members account for more than 80 % of the total value of the worldwide trade of cut flowers and pot plants. Most major players in the worldwide floricultural trade are represented in the organisation (the Netherlands, Colombia, Kenya, Ethiopia, Germany, Italy etc.).

More specifically, Union Fleurs actively pursues the following objectives:

- To safeguard and promote matters of general interest to the international floricultural trade
- To promote the visibility of the floricultural sector and a favourable trading environment
- To defend and represent the interests of the international floricultural trade at international forums and with international bodies and authorities worldwide
- To exchange, collect and distribute information on the world floricultural market
- To provide a networking platform where members can meet and exchange views

Union Fleurs is officially recognized by the European Union Institutions as the representative organization of the floricultural trade and, as such, is regularly consulted on all regulatory and policy matters affecting the sector (agriculture, phytosanitary, trade, promotion).

Union Fleurs cooperates on a regular basis with other international organizations involved in the floricultural sector and the agricultural trade and enjoys a longstanding relationship with AIPH.

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ECONOMIC DEVELOPMENT

Economic development of ornamental horticulture in 2023

Every year ALPH and Union Fleur conduct a survey on the economic situation of ornamental horticulture among their member organizations. Results of this survey on the year 2023, carried out in summer 2024 are reported below.

Questionnaires from 15 countries were included in the evaluation presented below.

Europe: Czech Republic, Finland, France, Germany, Greece, Italy, Sweden

Africa: South Africa

Asia: Chinese Taipei, Japan

Middle East: Turkey

North America: Canada, United States

Latin America: Brazil, Colombia

Please note: This evaluation only covers responses received on the survey.

Survey on 2023 – Changes to previous year

Legend:

strong decrease (>5%)	decrease	stagnant	increase	strong increase (>5%)	no data
-----------------------	----------	----------	----------	-----------------------	---------

Cut flowers	Production			Retail market		
	Area	Production value	Investment activities	Consumer prices	Market supply	Market demand
EUROPE						
Czech Republic						
Finland						
France						
Germany						
Greece						
Sweden						
ASIA						
Chinese Taipei						
Japan						
AFRICA						
South Africa						
MIDDLE EAST						
Turkey						
NORTH AMERICA						
United States						
LATIN AMERICA						
Colombia						
Brazil						

Pot plants	Production			Retail market		
	Area	Production value	Investment activities	Consumer prices	Market supply	Market demand
EUROPE						
Czech Republic						
Finland						
France						
Germany						
Greece						
Italy						
Sweden						
AFRICA						
South Africa						
ASIA						
Japan						
Chinese Taipei						
MIDDLE EAST						
Turkey						
NORTH AMERICA						
United States						
LATIN AMERICA						
Brazil						

ECONOMIC DEVELOPMENT

Bedding plants	Production			Retail market		
	Area	Production value	Investment activities	Consumer prices	Market supply	Market demand
EUROPE						
Czech Republic						
Finland						
France						
Germany						
Greece						
Italy						
AFRICA						
South Africa						
ASIA						
Chinese Taipei						
Japan						
MIDDLE EAST						
Turkey						
NORTH AMERICA						
United States						
LATIN AMERICA						
Brazil						

Flower bulbs	Production			Retail market		
	Area	Production value	Investment activities	Consumer prices	Market supply	Market demand
EUROPE						
Czech Republic						
Finland						
France						
Greece						
Sweden						
AFRICA						
South Africa						
ASIA						
Japan						
Chinese Taipei						
MIDDLE EAST						
Turkey						
NORTH AMERICA						
United States						
LATIN AMERICA						
Brazil						

Nursery stock	Production			Retail market		
	Area	Production value	Investment activities	Consumer prices	Market supply	Market demand
EUROPE						
Czech Republic						
Finland						
France						
Germany						
Greece						
Italy						
Sweden						
AFRICA						
South Africa						
ASIA						
Chinese Taipei						
Japan						
MIDDLE EAST						
Turkey						
NORTH AMERICA						
Canada						
United States						
LATIN AMERICA						
Brazil						

ECONOMIC DEVELOPMENT

The following influences were reported as the main factors affecting the production of ornamental horticulture in 2023:

- Brazil:** The high costs, labour costs and especially the economic situation of the country when it comes to the tax reform.
- Canada:** The number of farms and hectares of nursery farms declined again in 2023, a trend that has continued for at least the past 5 years [...] less farms, 295 less hectares. The production number of trees, shrubs and other plants has decreased slightly since the previous year, (down to about 4 million units) which coincides with less hectares of nursery farms. Nursery sales increased in 2023 compared to 2022 by 2%, likely from the sales of more short-term growing crops like perennials and increased pricing but also from increased exports to the United States market. Exports to the US increased by over \$8 million in 2023 contributing to half of the increased sales. Drought in the western and central parts of Canada, made water availability the top priority for nursery growers in those parts of the country. Boxwood growers continued to throw out inventory and sell at low prices due to the excess inventory in Canada. The US market continued to be closed to Canadian growers due to box tree moth. Finding local labour continued to be an issue, but in some areas, the situation is improving. Nurseries can source seasonal workers through the Seasonal Agricultural Worker Program that has ensured that most nurseries are not suffering from a labour shortage. Nursery stock inventories have recovered from the pandemic lows and demand and supply were more balanced in 2023 than in previous years.
- Chinese Taipei:** The overall economic situation. The aging workforce of the industry. The climate change. The increase in all costs.
- Czech Republic:** Increase in energy costs (heating) in greenhouses. Increase in prices of substrates, seeds, young plants, flower pots and labour costs.
- Colombia:** In Colombia, labour costs have increased close to 40% over the last 3 years and a 20% appreciation of the Colombian peso, are factors that have impacted the industry.
- Finland:** Tulip production decreased because the export to Russia stopped in 2022. The number of companies is decreasing because of the aging growers. Pandemic years were favourable for the horticultural sector, but in 2023 the market normalized.
- France:** Inflation, water restriction among households in some areas that reduce outdoor plants consumption and energy cost.
- Germany:** The impact of the war in Ukraine, with very high fuel costs and persistently high inflation, is affecting the production and sale of flowers and plants. In addition, labour costs have risen sharply, there is a shortage of labour and an excess of bureaucracy and legislation, which is placing a heavy burden on companies. Nevertheless, the mood in the sector remains positive, as the market volume has reduced somewhat but is still at a high level and consumers have a fundamentally positive attitude towards the sector.
- Greece:** This is the third year out of an economic crisis, real estate investments from abroad, especially Arabic countries and Israel, increasing tourism.
- Japan:** Soaring oil price, unseasonable weather and depreciation of the Yen.
- South Africa:** In South Africa, the houses are getting smaller yards, so shrubs trees etc. have gotten smaller while pot plants and indoor horticulture is on the increase. With fewer large gardens, there is less demand for landscaping services.
- Sweden:** Increased prices for input goods and the economic situation for consumers have affected the production of ornamental horticulture in 2023. Flowers are the first thing to cut back on in a worse economic situation, which it has been in 2023 with a rise in inflation, higher interest rates and higher prices for groceries. For the nursery sector, production and demand have been going on, they are not affected to the same extent. Construction have been ongoing. A possible reduction is expected a little later. But the production has been as good as the sales were. A reduction has taken place on the garden centre side to some extent. Cut flowers only apply to tulips in Sweden.
- United States:** Although the growth rate of over 4% in overall sales appears robust at first glance, it pales in comparison to the extraordinary growth seen during the COVID-19 pandemic. Adjusting for inflation, the real sales for many growers likely declined, as increased costs for labour, energy, and other inputs absorbed most of the sales gains. One significant challenge facing the U.S. floriculture industry is succession planning. Many business owners lack clear successors, and the current or next generations often shows little interest in continuing the business. This is reflected in the 2022 survey, which reported 594 fewer operations, including 130 fewer firms with sales of \$100,000 or more. Perhaps the most pressing issue for the U.S. floriculture market is labour shortages. Firms are frequently in bidding wars to hire head growers, with salaries for these positions reaching six figures for medium to large operations. The difficulty in finding sufficient staff has led many firms to employ immigrant guest workers, driving up basic pay levels. Despite these efforts, many firms are still operating below capacity due to the labour shortage. Another challenge is understanding consumer preferences, which can shift dramatically from year to year. Double-digit fluctuations in demand have become more common, presenting risks and opportunities depending on whether supply meets demand. This underscores the importance of conducting annual reviews of production and sales. The USDA provides similar data for the top 28 states, which can be useful for firms in the 22 other states to gauge regional trends by using nearby states as proxies. In such challenging times, it is crucial for firms to stay true to their value proposition. This means understanding why you are in business and what makes your business unique. Comparing your firm's production and sales with national averages can highlight your uniqueness, especially if it is profitable and helps define your market niche. Additionally, effectively communicating your value proposition is essential. This includes communication within your firm at all levels, as well as to customers and other market channel participants. Consumers are often drawn to firms with unique stories and products with interesting backgrounds. Sharing these stories is always important, but it becomes even more critical when consumers are deciding where to spend their money.

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The following influences were reported as the main factors affecting the retail market of ornamental horticulture in 2023:

- Brazil:** The country's economy.
- Canada:** Only speaking for nursery stock. See previous answers but also: Independent garden centre sales decreased from 2022 on, while mass market chain store sales increased from 2022 on. However, retail garden centre sales are still higher than pre-pandemic levels by 5% or \$18million. While mass market chains sales are only 4.5% or \$5million higher than pre-pandemic levels. 2023 was a year where the retail market for nursery stock returned to normal following the highs of the pandemic. Rising inflation and interest rates have impacted consumer spendings in Canada, as many homeowners saw: 1. their mortgage payments increased as interest rates rose and 2. the costs for all consumer good increased. These impacts were also noticed in the retail market, although they were minimal in comparison. Sales of nursery stock to governments, such as cities, municipalities, were stagnant. No increases were observed in municipal tree planting budgets.
- Chinese Taipei:** The overall economy situation.
- Colombia:** Inflation has been the most important factor to impact the market of cut flowers because it affects the disposable income of the consumers. In addition, we are seeing that customers are returning to pre-pandemic behaviour - they are traveling again which results in fewer flower purchases while they are away from home. We also observe that costumers are more sensitive to sustainability issues. Additionally, the geopolitical issues and global economic uncertainty are factors that affect exports.
- Czech Republic:** Increased expenses. Less demand. Increase in prices of substrates, seeds, young plants, flower pots, personal expenses. Interest in flowers is decreasing, which is documented by the fact that the average annual consumption of flowers for last three years is about 1546 Czech crowns per person. The increase in consumption has therefore stopped, which is why we also note a decrease in the sales of flower sellers by 5-15 %.
- France:** Inflation, water restriction for households in some areas and energy costs (directly or indirectly).
- Germany:** The weather played into the hands of sales. Despite uncertain times, demand remained stable or rose slightly in contrast to other sectors of the economy. However, companies are also realizing that there is still considerable pent-up demand in some product segments. The development of floor space and productivity remained stable or increased slightly.
- Greece:** More people are interested in plants and gardens such as campaigns for green cities.
- Japan:** It is assumed that cut flowers were used more as bouquets than the previous year, due to removing of behavioural restrictions on COVID-19 and more opportunities to hold events.
- South Africa:** The decreased size of gardens and yards has reduced the demand for large plant materials.
- Sweden:** Increased prices for input goods and the economic situation for consumers have affected the production of ornamental horticulture in 2023. Flowers are the first thing to cut back on in a challenging/worsened economic situation, as seen in 2023 with rising inflation, higher interest rates and higher prices for groceries.
- United States:** The household market has significantly affected nursery and garden stores' revenue growth. Rising per capita disposable income and falling unemployment have supported increased consumer spending over the past five years [...]. Nursery and garden stores have experienced significant highs and lows over the past five years. Rising per capita disposable income and increased private spending on home improvements helped industry revenue stay strong during the pandemic. Meanwhile, individuals aged 35 and younger have expressed increased interest and demand for small plants, like succulents, to enhance the aesthetic of their living spaces. However, as inflation has increased and the number of housing starts has declined, operating costs have grown and commercial demand for plants has declined. As a result, nursery and garden store revenue is expected to decline at a CAGR (Compound annual growth rate) of 0.1% through the end of 2024. Meanwhile, as operating costs remain high, profit is expected to drop to 4.3%. External competition has threatened the industry over the past five years. Big-box retailers, like Home Depot and e-commerce companies like Amazon, have taken a large share of product demand. These stores offer low prices and convenient access to thousands of products. Still, nursery and garden stores have often been able to compensate for higher prices by offering more in-depth product knowledge and superior customer service. With competition on the rise, garden store revenue is expected to fall 1.4% to \$43.2 billion in 2024. Declines in existing home sales and continued competition from e-commerce stores and big-box retailers will hamper demand. Still, the industry will benefit from a growing millennial demographic interested in small plants, gardening, and organic produce and a boost in overall consumer spending. As a result, industry revenue is expected to increase at a CAGR of 1.1% through the end of 2029, totalling an estimated \$45.7 billion. The demand for nursery and garden stores has been on the rise due to increasing disposable income and private spending on home improvement. Despite economic challenges caused by the COVID-19 pandemic, consumers continue to invest in upgrading their homes. The industry's revenue performance is mainly driven by consumers, farmers, and corporate entities. Blossoming demand for nursery and garden stores. With rising per capita disposable income and increased spending on home improvement, retailers in the nursery and garden store industry have managed to stay profitable. Even during the COVID-19 pandemic, when economic conditions worsened, consumers continued to invest in home upgrades, spending more time at home. The strong revenue performance of the industry can be attributed to contributions from consumers, farmers, and corporate entities. External competition from big-box stores is threatening sales. Big-box stores such as Home Depot, Lowe's, Walmart, and Target pose a significant threat to the nursery and garden stores industry. These external retailers source garden and farm equipment at lower costs and offer attractive one-stop shop formats. The declining leisure time of consumers has made big-box stores more appealing, especially during periods of low disposable income. Price competition is a defining trait of the industry. Nurseries and garden centres face

ECONOMIC DEVELOPMENT

intense price competition within the industry, often absorbing increased input costs to avoid losing customers to non-industry retailers. The high level of external competition requires garden stores to keep prices competitive. Despite the challenge of matching the low prices offered by big box retailers, garden stores focus on providing personalized services to justify their higher prices. The industry has witnessed a significant shift towards e-commerce platforms, allowing businesses to reach a broader consumer base beyond their physical stores. Many stores are leveraging social media marketing to enhance their online presence and attract more customers. Online shopping for plants has gained popularity due to its convenience and variety, leading to increased revenue for businesses and compensating for declines in traditional brick-and-mortar stores. The retail landscape in the gardening industry is undergoing significant changes as e-commerce and big-box stores compete with traditional nursery and garden stores. To stay competitive, these stores must strengthen their presence in local communities and prioritize customer service. Retailers are expected to shift focus to higher-margin specialty items such as rare plant strains and sustainable gardening products. Furthermore, the industry is likely to benefit from the increasing demand for environmentally-friendly gardening practices, driven by a cultural shift towards sustainability and urbanization [...]. Retailers are anticipated to pivot towards higher-margin specialty products like unique plant varieties and eco-friendly gardening supplies. This strategic shift aims to attract customers with exclusive offerings unavailable at discount or big-box retailers. Furthermore, nursery and garden stores are investing in top-notch customer service and knowledgeable staff to stand out from competitors. The industry stands to gain from the rising popularity of eco-friendly gardening products driven by environmental concerns and sustainability trends. With an increasing preference for sustainable options, retailers are poised to capitalize on this shift. Home gardeners are increasingly willing to pay premium prices for environmentally friendly items like composting equipment and biopesticides, influencing industry demand positively. The trend of indoor gardening is on the rise, particularly among urban dwellers, fuelled by the desire for greenery in indoor spaces. Nurseries and garden stores are expanding their product range to cater to this growing segment, focusing marketing efforts on indoor plants to meet the needs of apartment residents looking to enhance their living spaces with botanical decor.



ECONOMIC OUTLOOK 2024 AND 2025

World Bank Global Economic Outlook: Global Outlook

Euro Area: In the euro area, growth slowed sharply in 2023, reflecting tight credit conditions, feeble exports, and elevated energy prices. Trade volumes declined in 2023 for the first time outside of an annual euro area contraction, in large part reflecting a loss of export competitiveness amid elevated energy prices. Growth appears to have bottomed out, however, though with key differences across sectors and member countries. Services activity suggests incipient improvement in early 2024, but this has been offset by weaker-than-expected industrial activity, especially in the manufacturing sector in Germany. Growth is forecast to firm only slightly in 2024, to 0.7 percent, supported by an ongoing recovery in real incomes but dampened by still-subdued investment and export growth. Consumer spending is expected to edge higher in 2024, as inflation declines and wages continue to rise, albeit at a more moderate pace. Growth is forecast to pick up in 2025, to 1.4 percent, as the recovery in export and investment growth gathers pace, with the latter benefiting from lower policy rates and the absorption of EU funds. In 2026, economic activity is projected to expand at a relatively stable pace of 1.3 percent, slightly above potential growth estimates as reforms under the European Union's NextGenerationEU plan start to bear fruit. In some large euro area members, national fiscal policy is expected to exert a drag on activity in the near term.

Japan: In Japan, growth is expected to decelerate to 0.7 percent in 2024, due to a feeble expansion in consumption and slowing exports amid normalizing auto production and stabilizing tourism demand. Output is projected to grow at an average rate of 1 percent in 2025 and 0.9 percent in 2026, on slight improvements in consumer spending and capital investment. The Bank of Japan discontinued major unconventional policy measures – yield curve control, negative interest rates, and some asset purchases – in March 2024, and raised the range for the short-term policy rate to 0-0.1 percent, while also signaling possible further monetary action if inflation risks rise, including in the context of rapid depreciation of the yen.

USA: In the United States, growth is forecast to average 2.5 percent this year, and moderate to a below-trend rate of 1.8 percent in 2025. Relative to previous projections, growth in 2024 has been revised up by 0.9 percentage point, as data releases earlier this year surprised to the upside, particularly on the consumer spending side. The slowdown in 2025 is expected to be driven primarily by the cumulative effects of past monetary tightening and a contractionary fiscal stance. Elevated real borrowing rates are set to restrain household spending on durable goods and residential investment. In line with the recent softening in high-frequency indicators, broader consumer spending is expected to slow due to moderating growth in household income as labor market tightness recedes and savings diminish. The boost to consumption growth from household wealth gains is likely to moderate owing to slowing increases in real estate net worth, which has historically had substantial effects on consumer spending (Carroll, Otsuka, and Slacalek 2011). Increases in house prices tapered off toward the end of 2023 and are expected to remain well below the strong pace seen over the past few years. As wealth gains slow, household income growth is also expected to ease sequentially throughout 2024, with the labor market continuing to soften and U.S. job openings declining. Rising labor supply is expected to contribute to labor market rebalancing, including from continued robust net migration. On the fiscal side, with a relatively stable or slightly lower deficit expected over the next few years, fiscal policy is not expected to be a significant driver of growth. In 2026, growth is expected to remain at 1.8 percent, as a further slowdown in fiscal spending offsets a modest pickup in consumer spending and business investment. By the end of 2026, borrowing rates are expected to have declined substantially as inflation returns close to target.

China: Growth in China edged up in early 2024, supported by a positive contribution from net exports that offset softening domestic demand. Following weakness last year, exports and imports have both strengthened. Meanwhile, overall investment growth has remained tepid, with solid infrastructure and manufacturing investment set against declining real estate investment as the property sector downturn – now in its third year – continues. Property prices and sales have fallen further, and property developers have experienced renewed financing pressures. Amid weak consumer confidence, domestic consumption has also remained subdued, with retail sales growth below pre-pandemic averages. Headline consumer prices have increased modestly this year, after declining late last year on the back of falling food prices, and core inflation has remained well below the target of about 3 percent. Producer prices have continued to decline, reflecting weak demand. To bolster demand, additional spending measures have been announced – including for infrastructure projects – building on a raft of policies implemented late last year. In tandem, the People's Bank of China cut interest rates and the reserve requirement ratio. As property-related bank lending declined, the government established a scheme to facilitate liquidity provision to real estate developers to support the completion of viable property projects, as well as to help promote confidence. Further measures were also introduced aimed at boosting property demand, including removing the residential mortgage rate floor and lowering down payment requirements for borrowers. With activity anticipated to soften in the second half of this year, growth is projected to slow to 4.8 percent in 2024, from 5.2 percent in 2023, as an expected uptick in goods exports and industrial activity supported by the global trade recovery is offset by weaker consumption. Compared with January projections, growth has been revised up 0.3 percentage point, reflecting stronger-than-expected activity in early 2024, particularly exports. Investment is envisaged to remain subdued. While government spending will continue to prop up infrastructure investment, local government financing pressures will constrain fiscal support. The property sector is assumed to stabilize only toward the end of the year. Although inflation is set to pick up this year as the drag from falling food prices fades, it is anticipated to remain well below target amid slowing consumption and weak demand pressures. Producer price pressures are also set to remain weak in the context of subdued activity and softening prices for commodities, particularly energy and metals. Growth is projected to decline further in 2025 to 4.1 percent – 0.2 percentage point lower than projected in January owing primarily to a weaker outlook for investment – and 4 percent in 2026, as slowing productivity growth and investment as well as mounting public and private debt weigh on activity. With the population falling for the second consecutive year in 2023, and amid a low and declining fertility rate, demographic headwinds are expected to intensify, dragging potential growth lower.

Commodity markets

After a sharp decline between mid-2022 and mid-2023, commodity price swings were less pronounced in the second half of last year. In 2024, aggregate commodity prices have generally risen against a backdrop of tight supply conditions and signs of firmer industrial activity. Average commodity prices are nonetheless forecast to recede slightly over the forecast period, mainly reflecting improving supply conditions, while remaining well above pre-pandemic levels.

ECONOMIC OUTLOOK 2024 AND 2025

Oil prices have fluctuated this year, trending substantially higher in April in the context of escalating tensions in the Middle East, but subsequently pulling back. Against a backdrop of continued geopolitical risks, the average price of Brent oil is forecast to be slightly higher this year than last, at \$84/bbl, before receding to \$79/bbl in 2025 amid the partial unwind of OPEC+ supply cuts and expanding non-OPEC+ production. The near-term oil price forecast is notably uncertain, however, given the potential for price spikes resulting from conflict-related supply disruptions. Natural gas prices fell nearly 28 percent in the first quarter of 2024, relative to the previous quarter, amid robust production, mild winter weather, and elevated inventories. After reaching a nearly 30-year low in March, the price of U.S. natural gas surged in May, in part due to increased liquefied natural gas (LNG) exports. U.S. natural gas prices are expected to stabilize in the near term, before increasing further in 2025 as gas liquefaction capacity expands, allowing more supplies to be diverted to other markets. European natural gas prices rebounded in the second quarter of 2024, reflecting persistent supply risks related to ongoing conflicts. Despite the anticipated growth of U.S. LNG exports, average European gas prices are envisaged to rise by 11 percent in 2025, as industrial activity picks up, supporting demand. Most metal prices were relatively stable during the first quarter of this year. However, among precious metals, gold prices reached record highs, fueled by geopolitical concerns and central bank purchases. In the second quarter, copper prices rose to a record nominal high on supply concerns, while benchmark aluminium prices spiked after the introduction of new sanctions on the Russian Federation. Metals prices, excluding those of precious metals, are projected to remain little changed, on average, in 2024-25, staying well above pre-pandemic levels. Weaker metals demand associated with lower real estate investment in China is likely to be substantially counterbalanced by firming global industrial demand and metals-intensive clean energy investments.

Agricultural commodity prices were close to unchanged, in aggregate, in the first quarter. Average prices are set to soften somewhat in 2024-25. Food prices are forecast to dip by 6 percent in 2024 and 4 percent in 2025, mainly reflecting ample supplies for grains as well as oils and meals. Volatile weather and increasing trade restrictions or disruptions could nonetheless push prices higher. Despite declining consumer food price inflation, acute food insecurity is estimated to have further worsened last year and doubled globally since 2019. Surging hunger is linked to a combination of still-elevated consumer food prices and proliferating violence and instability in vulnerable areas, notably in parts of the Middle East and Sub-Saharan Africa.

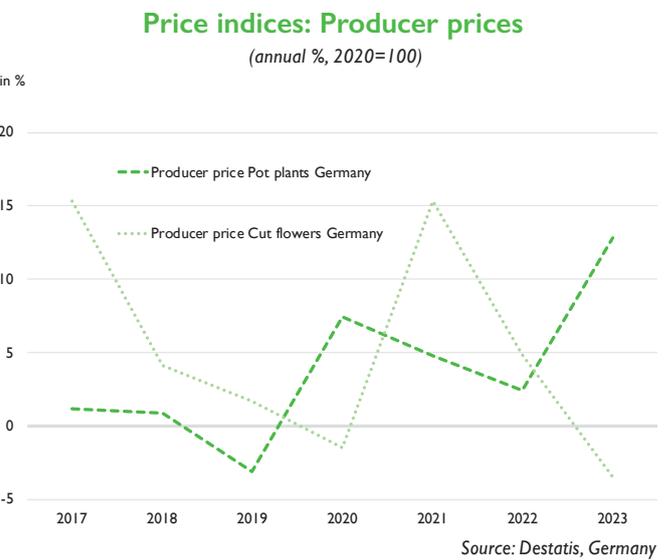
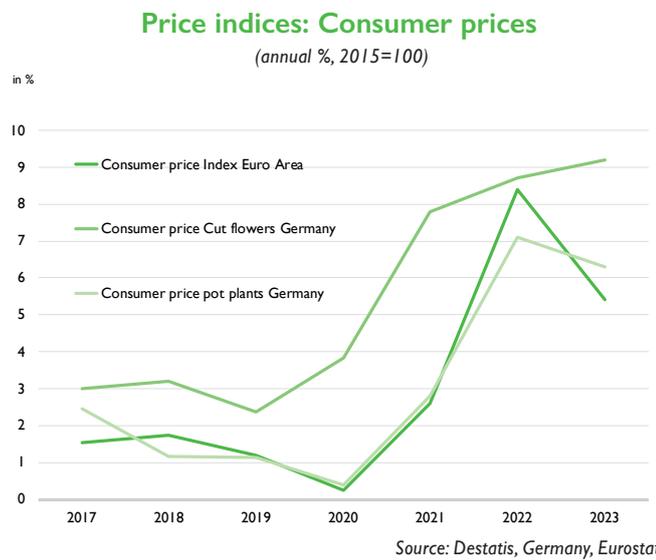
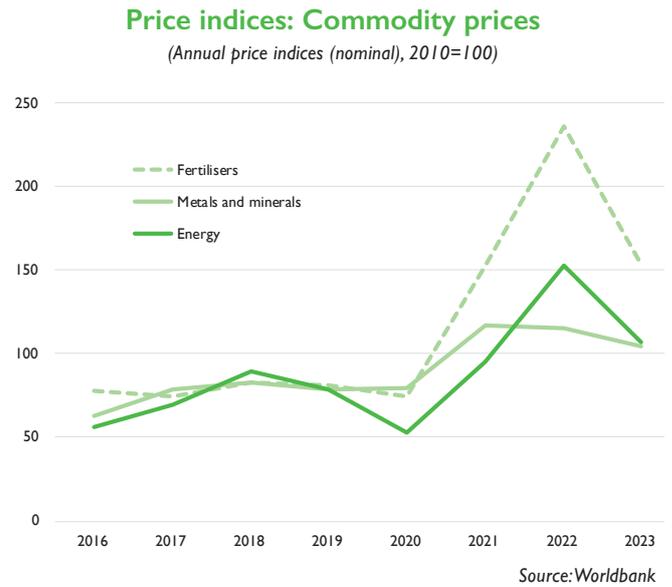
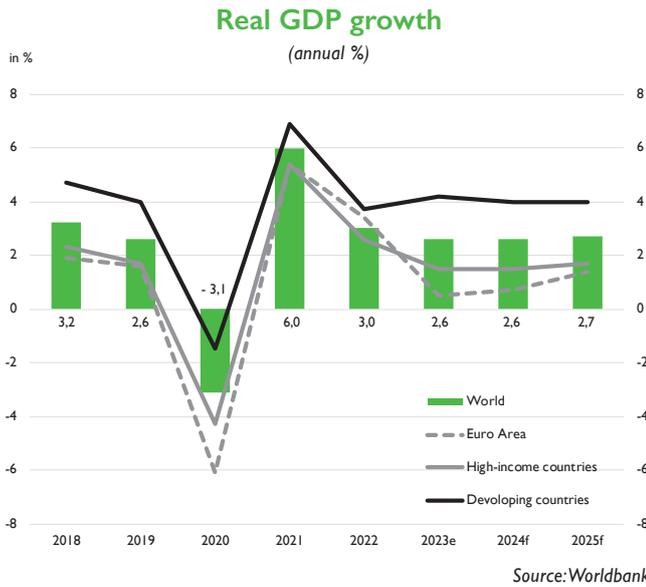
Source: **Global Economic Prospects: Global Outlook, June 2024**

Link: <https://www.worldbank.org/en/publication/global-economic-prospects>



ECONOMIC DEVELOPMENT

Economic development 2014–2023



Conversion of national currencies into Euro, time series 2013–2023

1 Euro = ...	Currency Units (national)	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
Brazil	BRL	5.4010	5.4399	6.3779	5.8943	4.4134	4.444	3.9729	3.4305	4.3117	3.2207	3.2576
China	CNY	7.6600	7.0788	7.6282	7.8747	7.7355	7.8081	7.629	7.3522	6.9733	8.1857	8.1646
Chinese Taipei	100 TWD	0.3351	0.3115	0.3291	0.335	0.344	0.3582	0.3413	0.3586	0.3506	0.4003	0.3932
Canada	CAD	1.4642	1.3695	1.4826	1.53	1.4855	1.5294	1.4647	1.4659	1.4186	1.4661	1.3684
Denmark	DKK	7.4509	7.4396	7.4370	7.4542	7.4661	7.4532	7.4386	7.4452	7.4587	7.4548	7.4579
Hong Kong	HKD	8.4650	8.2451	9.1932	8.8587	8.7715	9.2559	8.8045	8.5875	8.6014	10.3025	10.3016
Hungary	100 HUF	3.8185	3.9129	3.5852	3.513	3.253	3.1889	3.0919	3.1144	3.1	3.0871	2.9687
India	INR	89.3001	82.6864	87.4392	84.6392	78.8361	80.7332	73.5324	74.3717	71.5935	81.0406	77.93
Israel	ILS	3.9880	3.5345	3.8208	3.9258	3.9901	4.2423	4.0622	4.2489	4.3122	4.7449	4.7948
Japan	100 JPY	1.5199	1.3803	1.2988	1.2185	1.2201	1.304	1.2671	1.202	1.3431	1.4031	1.2966
Korea (Rep.)	100 KRW	14.1288	13.5807	13.5406	13.4558	13.0532	12.9907	12.7674	12.8418	12.5654	13.9814	14.5391
Norway	NOK	11.4248	10.1026	10.1633	10.7228	9.8511	9.5975	9.327	9.2906	8.9496	8.3544	7.8067
Russian Federation	RUB	87.1527	87.1527	87.1527	82.7248	72.4553	74.0416	65.9383	74.1446	68.072	50.9518	42.337
Singapore	SGD	1.4523	1.4512	1.5891	1.5742	1.5273	1.5926	1.5588	1.5275	1.5255	1.6823	1.6619
Sweden	SEK	11.4788	10.6296	10.1465	10.4848	10.5891	10.2583	9.6351	9.4689	9.3535	9.0985	8.6515
Switzerland	CHF	0.9718	1.0047	1.0811	1.0705	1.1124	1.155	1.1117	1.0902	1.0679	1.2146	1.2311
Thailand	100 THB	37.631	36.856	0.37837	0.3571	0.3476	0.3816	0.383	0.3904	0.3803	0.4315	0.4083
Turkey	TRY	25.7597	17.4088	10.5124	8.0547	6.3578	5.7077	4.1206	3.3433	3.0255	2.9065	2.5335
Poland	PLN	4.5420	4.6861	4.5652	4.443	4.2976	4.2615	4.257	4.3632	4.1841	4.1843	4.1975
United Kingdom	GBP	0.86979	0.85276	0.85960	0.8897	0.8778	0.8847	0.8767	0.8195	0.72584	0.8061	0.8493
United States	USD	1.0813	1.0530	1.1827	1.1422	1.1195	1.181	1.1297	1.1069	1.1095	1.3285	1.3281

Source: Deutsche Bundesbank, Wechselkursstatistik June 2024, average per year

ECONOMIC DEVELOPMENT

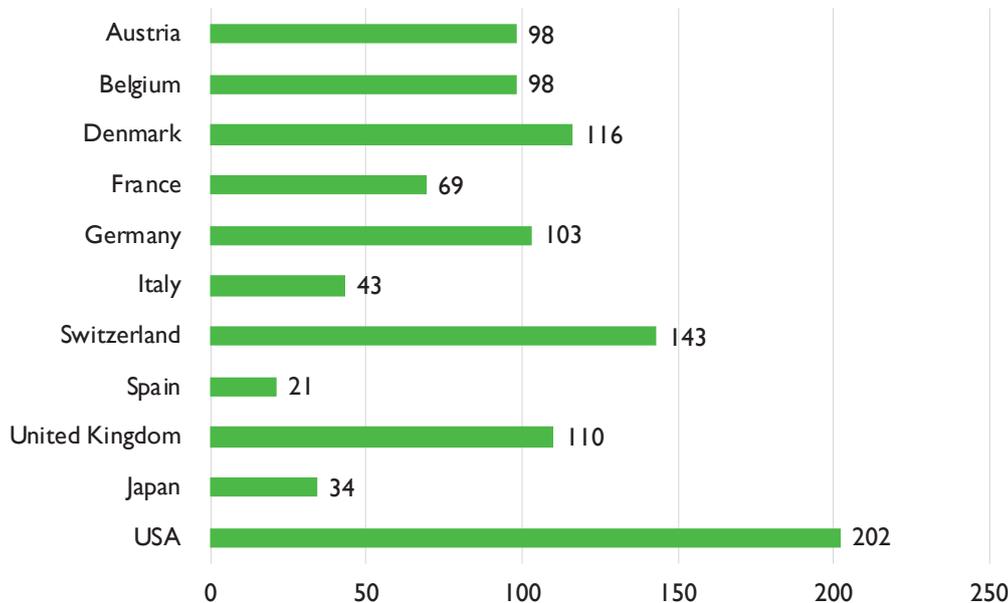
Per capita consumption of flowers, plants and related goods in selected countries

	Flowers and plants (and related goods)	Cut flowers	Plants indoor and outdoor	year	Total spend (In million EUR)			year	GNI ¹²	Population ¹³
					Flowers and plants (and related goods)	Cut flowers	Plants indoor and outdoor		per capita (PPP) * (In 1000 EUR)	(In million)
Austria ¹	98	24	54	2020	859	203	462	2020	67.4	9.1
Belgium ²	98	36	39	2022	1 145	421	456	2022	65.9	11.8
Denmark ³	116			2022	679			2022	72.7	5.9
France ⁴	69			2023	4 686			2023	56.9	68.2
Germany ⁵	103	37	67	2023	8 639	3 103	5 620	2023	66.1	84.5
Italy ⁶	43			2022	2 480			2022	53.7	58.8
Spain ⁷	21			2023	1 000			2023	48.1	48.4
Switzerland ⁸	143			2021	1 242			2021	82.5	8.8
United Kingdom ⁹	110			2023	7 496			2023	53.3	68.4
Japan ¹⁰	34	24	10	2023	4 207	2 980	1 228	2023	48.3	124.5
USA ¹¹	202			2023	67 499			2023	75.3	334.9

* GNI = Gross National Income (at PPP = Purchasing power parity) in 2023 converted from US \$ to EUR

- 1 Austria: Statistik Austria: Verbrauchsausgaben, Hauptergebnisse der Konsumerhebung, 2020/21, Consumption expenditures on flowers and plants, inclusive christmas trees, seeds etc.
- 2 Belgium: Stat Bel, Household budget survey, Table HBS_Tab01_BE_2023 – Gemiddelde uitgaven per huishouden en per jaar (€) – België, 2023, Consumption expenditures on flowers and plants and garden related goods, cut flowers (roses and other cut flowers), Plants indoor and outdoor (pot plants nursery products, inclusive christmas trees, seeds etc.).
- 3 Denmark: Statistics Denmark, Household average consumption by group of consumption, 2024, Consumption expenditures on plants and flowers
- 4 France: Institut national de la statistique et des études économiques: Les comptes de la Nation en 2023, Consommation des ménages en 2023, Consommation effective des ménages par produit, plantes et fleurs
- 5 Germany: AMI GmbH, consumption expenditures per capita in retail prices, market value of flowers and ornamental plants in retail prices for 2023
- 6 Italy: ISTAT, I.Stat, Households Economic Conditions and Disparities, 2024, Consumption expenditures on plants and flowers.
- 7 Spain: Instituto Nacional de Estadística, Total expenditure, average expenditure and distribution of household expenditure, Consumption expenditures on 0922 T Gardening, plants and flowers for 2023
- 8 Switzerland: Bundesamt für Statistik, detailed household consumption expenditures, consumption expenditures on plants and non-durable goods for gardening, 2023
- 9 UK: Office for National Statistics, Consumer trends: current prices, not seasonally adjusted, 2024, Consumption expenditure on garden, plants and flowers.
- 10 Japan: Statistics Bureau of Japan, Yearly Amount of Expenditures and Purchase Frequency of Commodities per Households, Survey 2023, Consumption expenditure on flowers and on garden plants.
- 11 USA: US Department of Commerce, Bureau of Economic Analysis, Personal Consumption Expenditures by Type of Product, 2024, Consumption expenditure on flowers, seeds, and potted plants.
- 12 GNI per capita (PPP): The Worldbank, World Development Indicators: Size of Economy, 2024
- 13 Population: Worldbank, World Development Indicators: Size of Economy, 2024

Per capita consumption of flowers, plants (and related goods) in EUR





I. AREA AND PRODUCTION

AREA AND PRODUCTION

Summary

Flowers and ornamental plants¹ – Area, production value and number of enterprises

Area in hectares, value in million EUR

	Area (in hectares)					Production value			Number of enterprises	
	Under protection	In the open	Total	Year ²	Remarks	In million EUR	Year ²	Remarks	Number	Year ²
Austria	161	254	415	23	29	217	22	1	1 327	20
Belgium	366	507	873	23	27	238	22	1	623	23
Denmark	174	208	382	23	30	354	22	1	327	23
Finland	106	41	147	23	31	114	22	1	437	23
France	.	.	5 173	23	3	1 047	22	1	2 760	21
Germany	1 653	4 610	6 263	21	2	1 189	22	1	3 123	21
Ireland	.	.	415	10	34	39	22	1	133	10
Italy	5 443	7 282	12 724	10	5	1 462	22	1	14 093	10
Netherlands	4 090	3 660	7 750	23	33	2 664	22	1	9 320	23
Norway	81	.	81	20	32	26	22	1	317	18
Poland	1 495	3 768	5 263	23	6	184	22	1	.	.
Portugal	610	1 090	1 700	10	.	236	22	1	.	.
Spain	2 397	3 700	6 097	22	35	1 021	22	1	.	.
Sweden	13	27	40	23	36	162	22	1	633	23
Switzerland	127	.	127	23	7	329	22	1	319 e	23
United Kingdom	473	7 100	7 573	21	8	509	23	8	.	.
Europe	.	.	55 000	.	e	9 800	.	e	33 100	e
Israel	1 748	1 000	2 748	4	9	.	.	.	.	.
Turkey	1 678	3 986	5 781	23	10	.	.	.	.	.
Middle East	.	.	8 500	.	e	.	.	.	.	.
Ethiopia	.	.	1 695	17	25	242	23	4	.	.
Kenya	.	.	4 039	12	37	676	23	4	.	.
South Africa	.	.	11 461	7	12	102	23	4	.	.
Africa	.	.	17 200	.	e	1 000	.	e	.	.
Australia	330	3 934	4 264	20/21	38	.	.	.	547	20/21
China	.	.	133 510	23	13	3 152	23p	13	74 925	20
Chinese Taipei	.	.	4 886	20	.	.	.	.	.	.
India	.	.	285 000	22/23	14	.	.	.	.	.
Iran	3 534	2 393	5 927	21	26	.	.	.	18 743	21
Japan	.	.	16 604	21	15	.	.	.	.	.
Korea, Republic of	.	.	2 405	22	16	.	.	.	.	.
Malaysia	.	.	2 588	22	28	.	.	.	.	.
Thailand	.	.	12 324	13	17	.	.	.	.	.
Vietnam	.	.	4 500	8	18	.	.	.	.	.
Asia / Pacific	.	.	472 000	.	e	3 152	.	e	94 200	e
Canada	744	458	1 198	23	.	1 581	23	20	3 462	23
United States	7 910	19 045	26 611	22	19	5 916	22	19	3 261	17
North America	.	.	27 800	.	e	7 500	.	e	3 500	e
Brazil	.	.	15 600	22	21	.	.	.	8 300	22
Colombia	.	.	10 500	23	.	1 955	23	4	.	.
Costa Rica	.	.	3 600	18	22	126	22	4	.	.
Ecuador	7 276	1 071	9 464	23	23	999	22	4	.	.
Mexico	1 363	7 767	9 153	23	24	.	.	.	.	.
Central / South America	.	.	48 300	.	e	3 100	.	e	8 300	e
World	.	.	628 800	.	e	24 552	.	e	139 100	e

¹ included are cut flowers, cut foliage, pot plants, bedding plants, perennials, excluded are flowers bulbs, nursery stock

² available year; p = provisional; e = estimated; protected area includes greenhouse area, area under glass or plastics

Data are available only for selected countries. Reported totals are therefore incomplete.

Remarks

1 EU countries: Production value for flowers and ornamental plants at basic price in current prices; christmas trees included, provisional; Source: Eurostat

2 Germany: Source: Bundesministerium für Ernährung und Landwirtschaft (BMEL), Area, number of enterprises: Stat. Bundesamt, Zierpflanzenzählung 2021

3 France: Source: Agreste, Statistique Agricole Annuelle 2023, includes cut flowers, foliage, pot and bedding plants and perennials

4 Different countries: Source: International Trade center (ITC), Production value: value of exports Cut flowers, Cut foliage and Live plants

5 Italy: Source: Agricultural Census 2010

6 Poland: Source: D. Olewnicki, Institute of Horticultural Sciences, Warsaw University of Life Sciences

7 Switzerland: Source: Bundesamt für Statistik, Switzerland; Area and number of holdings only greenhouse production

8 UK: Source: Gov. UK: Farming statistics, Area: Flowers and bulbs in the open and under protection; Production value.; Department for Environment, Food and Rural Affairs

9 Israel: Source: Central Bureau of Statistics (CBS)

10 Turkey: Source: Turkish Statistical Institute, cut flowers and indoor plants

11 Kenya: Source: Horticultural Crops Development Authority (HCDA)

12 South Africa: Source: Census of commercial agriculture 2007, cut flowers and pot plants

13 China: Area: Cut flowers, cut foliage and pot plants; Sales volume: Cut flowers, foliage, branches and pot plants; Source: China Flower Association

14 India: Loose flowers and cut flowers, Source: National Horticultural Board India

15 Japan: Source: Statistics Department, Ministry of Agriculture, Forestry and Fisheries; Cut flowers, Cut foliage, Potted flowering plants and Bedding plants

16 Korea, Republic of: Source: Korean Statistical Information Service (KOSIS), Statistical Database

17 Thailand: Area: Cut flowers and orchids; Source: Agricultural Census

18 Vietnam: Area cut flowers and foliage; Source: Dutch Embassy Hanoi

19 USA: Source: United States, Departement of Agriculture, Floriculture Crops 2023 Summary

20 Canada: Farm gate value, only for production under protection (greenhouses); Source: Cansim Database

21 Brazil: Area: Flowers and plants, Source: Ibraflor

22 Costa Rica: Flowers and plants; Source: Boletín Estadístico Agropecuario Nr.29, Secretaria Ejecutiva de Planificación Sectorial Agropecuaria

23 Ecuador: Source: INEC ESPAC

24 Mexico: Cut flowers and pot plants, without christmas trees; Source: Servicio de información Agroalimentaria y Pesquera Mexico

25 Ethiopia: Source: EHPEA

26 Iran: Source: Deputy of Horticulture- Agriculture Ministry of Iran

27 Belgium: Statistics Belgium, Landbouwcijfers 2023, Tab A

28 Malaysia: Source: Department of Agriculture in: Producer's Perspective on the Potential of Malaysia's Floricultural Industry

29 Austria: Source: Statistik Austria, Anbau auf dem Ackerland 2023

30 Denmark: Source: Statistics Denmark, Statbank Business sectors/Agriculture, horticulture and forestry/Crops

31 Finland: Source: Luke, Horticultural Statistics

32 Norway: Source: Statistics Norway, Census of Agriculture 2020

33 Netherlands: Source: Centraal Bureau voor de Statistiek (CBS)

34 Netherlands: Source: National Amenity Census 2011; Department of Agriculture, Food and the Marine; Bord Bia; Irish Food Board

35 Spain: Source: Ministerio de Agricultura, Alimentación y Medio Ambiente: Avance de Anuario de Estadística 2023

36 Sweden: Source: J. Persson, Schwedisches Zentralamt für Landwirtschaft, Jönköping

37 Kenya: Source: Horticultural Crops Development Authority (HCDA)

38 Australia: Source: Australian Bureau of Statistics

Flower bulbs – Area, production value and number of enterprises

Area in hectares, value in million EUR

	In hectares	Area		Production value			Number of enterprises		
		Year ¹	Remarks	In million EUR	Year ¹	Remarks	Number	Year ¹	Remarks
Belgium	57	23	7	.	.	.	.	.	.
France	688	23	1	.	.	.	.	.	.
Germany	352	21	2	.	.	.	178	21	2
Netherlands	22 013	23	3	.	.	.	1 640	23	3
Sweden	10	23	9	.	.	.	.	.	.
Europe	23 100	.	.	.	.	.	.	.	.
Turkey	35	23	4	.	.	.	.	.	.
China	3 627	20	.	31	18p	5	.	.	.
Japan	239	21	.	.	.	.	.	.	.
United States	2 290	22	.	85	22	6	1 077	22	.

¹ available year; p = provisional

¹ France: Flower bulbs; Source: Agreste, Statistique Agricole Annuelle 2023

² Germany: Production of Seeds and Bulbs; Source: Stat. Bundesamt, Zierpflanzenerhebung 2021

³ Netherlands: Source: Bloembollenkeuringsdienst (BKD) 2024, provisional data; number of Enterprises: CBS, 2024

⁴ Turkey: Source: Turkish Statistical Institute

⁵ China: Area: Bulbs, sales volume; Source: China Flower Association, 2021, provisional data for 2018

⁶ USA: Source: Census of Agriculture 2022

⁷ Belgium: Source: Statistics Belgium, Landbouwcijfers 2023, Tab A

⁸ Japan: Source: Statistics Department, Ministry of Agriculture, Forestry and Fisheries; Bulbous plants

⁹ Source: J. Persson, Schwedisches Zentralamt für Landwirtschaft, Jönköping

Nursery stock – Area, production value and number of enterprises

Area in hectares, value in million EUR

	In hectares	Area		Production value			Number of enterprises		
		Year ¹	Remarks	In million EUR	Year ¹	Remarks	Number	Year ¹	Remarks
Austria	1 717	20	3	148	22	1	463	20	3
Belgium	5 325	23	16	343	22	1	699	23	.
Denmark	2 194	23	4	120	22	1	161	23	4
Finland	299	23	.	16	22	1	61	23	.
France	11 724	10	5	1 224	22	1	1 970	10	5
Germany	17 160	21	15	1 460	22	2	1 536	21	15
Ireland	731	10	.	53	22	1	171	10	.
Italy	31 852	20	.	1 678	22	1	10 844	10	.
Netherlands	17 040	23	.	4 984	22	1	4 010	23	.
Norway	115	18	.	88	22	1	.	.	.
Poland	7 240	23	6	328	23	6	.	.	.
Sweden	497	23	7	176	22	1	118	20	7
Switzerland	799	23	8	208	22	1	429	17	8
United Kingdom	4 583	21	9	1 177	23	14	.	.	.
Europe	101 276	e	.	12 003	e	.	20 500	e	.
Turkey	4 103	23	10	.	.	.	.	.	.
China	824 428	23	11	9 130	18p	.	.	.	.
Chinese Taipei	9 631	20	.	.	.	.	.	.	.
Iran	2 325	21	17	.	.	.	.	.	.
Japan	3 621	21	19	.	.	.	8 382	18	.
Australia	4 832	20/21	.	.	.	.	1 142	20/21	.
Thailand	1 538	13	.	.	.	.	2 057	13	.
Brazil	13 870	20	.	1 490	21	.	8 300	20	18
Canada	15 334	23	.	500	23	12	1 766	23	.
United States	162 395	22	13	5 890	22	13	22 730	22	13
Other countries	1 042 077	e	.	17 010	e	.	44 377	e	.
Total	1 143 353	e	.	29 013	e	.	64 877	e	.

¹ available year; p = provisional; e = estimated;

¹ EU-Countries: Production value for nursery stocks at producer price in current prices, provisional; Source: Eurostat

² Germany: Source: Bundesministerium für Ernährung und Landwirtschaft (BMEL)

³ Austria: Source: Statistik der Landwirtschaft 2020, without Christmas trees

⁴ Denmark: Excluding production of Christmas trees; Source: Statistics Denmark

⁵ France: Source: Recensement agricole 2010

⁶ Poland: Source: D. Olewnicki, Institute of Horticultural Sciences, Warsaw University of Life Sciences

⁷ Sweden: Source: Swedish Board of Agriculture, Horticultural Census 2023

⁸ Switzerland: Area and number of holdings without christmas trees; Source: Bundesamt für Statistik, Switzerland

⁹ United Kingdom: Area only England, without christmas trees; Source: Gov. UK: Farming statistics

¹⁰ Turkey: Outdoor ornamental plants; Source: Turkish Statistical Institute

¹¹ China: Area and sales volume: Nursery stocks; Source: China Flower Association, 2024, provisional data for 2023

¹² Canada: Farm gate value (before sales tax); Source: Cansim database

¹³ USA: Source: Census of Agriculture 2022

¹⁴ UK: Production value; Source: Department for Environment, Food and Rural Affairs

¹⁵ Germany: Nursery area without christmas trees; Source: Stat. Bundesamt. Baumschulerhebung 2021

¹⁶ Belgium: Source: Statistics Belgium, Landbouwcijfers 2023, Tab A

¹⁷ Iran: Source: Deputy of Horticulture- Agriculture Ministry of Iran

¹⁸ Brazil: Source: Ibraflor

¹⁹ Japan: Source: Statistics Department, Ministry of Agriculture, Forestry and Fisheries

AREA AND PRODUCTION

Figure 1

Production value of flowers and ornamental plants¹: Selected countries 2013–2023

In million EUR	US ²	CO ³	EC ³	CN ⁴	NL ⁵	DE ⁵	ES ⁵	FR ⁵	UK ⁶
2023	.	1 950	926	3 152	.	.	.	.	.
2022	6 192	1 990	999	3 729	2 664	1 189	1 021	1 046	.
2021	.	1 476	795	.	2 828	1 102	913	952	517
2020	.	1 247	741	.	2 260	1 236	694	932	478
2019	.	1 329	786	.	2 380	1 391	857	955	515
2018	.	1 245	721	7 739	2 331	1 179	734	941	485
2017	5 481	1 249	780	7 553	2 435	1 273	703	921	477
2016	.	1 195	725	6 598	2 440	1 133	720	1 576	484
2015	.	1 175	739	6 231	2 373	1 112	724	1 675	.
2014	.	1 043	691	5 070	2 342	1 143	1 037	966	.
2013	.	1 010	630	5 095	2 329	1 310	945	997	.

¹ Cut flowers, cut foliage, pot plants and bedding plants

² USA: Census of Agriculture 2022

³ Export value for cut flowers and cut foliage

⁴ Source: China Flowers Association

⁵ Cut flowers, cut foliage, pot plants and bedding plants, including Christmas trees, Source: Eurostat

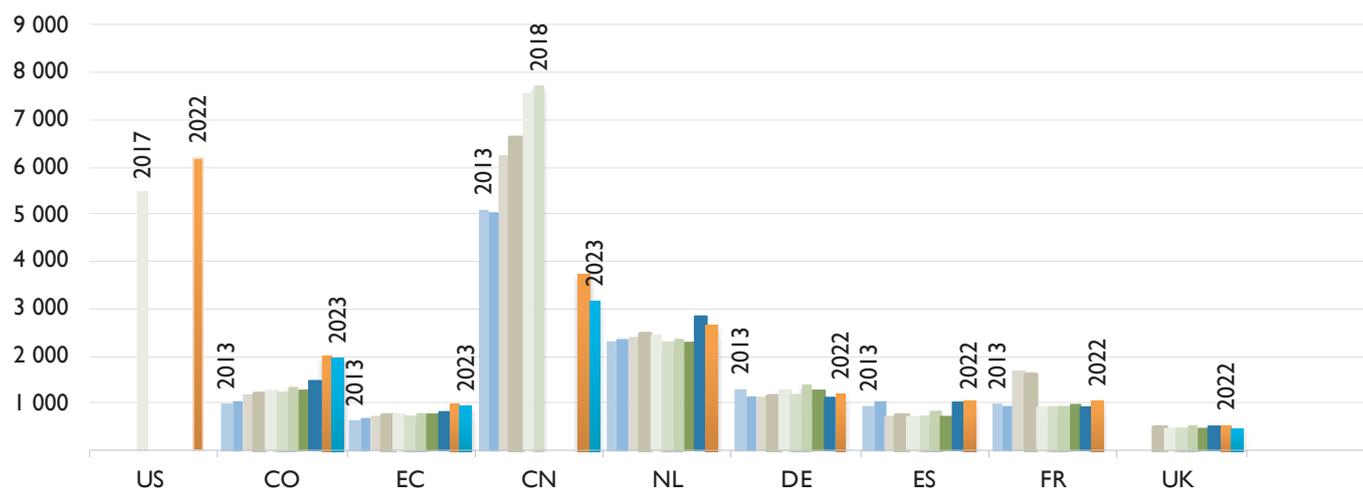
⁶ Value flowers and bulbs

⁷ No data for years 2011 to 2015

Flowers and ornamental plants¹: Value of production in million EUR

Selected countries, 2013–2023

In million EUR



¹ Cut flowers, cut foliage, pot plants and bedding plants

Production area of flowers and ornamental plants¹: Selected countries 2013–2023

In ha	US ²	CO	EC	CN ³	JP	NL	DE	ES	FR ⁴	UK ⁵
2023	34 658	10 500	9 464	169 537	.	7 750	.	.	4 207	.
2022	.	10 000	7 854	176 635	.	8 190	.	6 104	3 885	.
2021	.	8 900	7 464	.	16 604	7 870	6 263	5 945	3 985	7 100
2020	.	.	5 217	188 421	16 795	7 460	.	6 086	4 195	6 300
2019	.	.	9 316	197 653	17 285	7 080	.	6 194	6 397	6 600
2018	.	7 665	7 509	190 423	17 800	6 870	.	6 224	6 397	6 700
2017	28 155	7 532	9 986	188 558	18 159	6 700	6 588	6 226	6 538	7 100
2016	.	6 796	8 454	170 397	18 376	6 570	.	6 438	7 645	5 800
2015	.	7 161	7 724	167 652	18 727	6 720	.	6 302	6 741	6 800
2014	.	6 918	6 729	171 397	19 059	6 843	.	7 050	6 659	5 900
2013	.	6 783	9 328	169 081	19 417	7 301	.	7 083	7 005	5 800

¹ Cut flowers, cut foliage, pot plants and bedding plants

² USA: Census of Agriculture 2022

³ Source: China Flowers Association

⁴ Without cuttings and young plants

⁵ Area flowers and bulbs

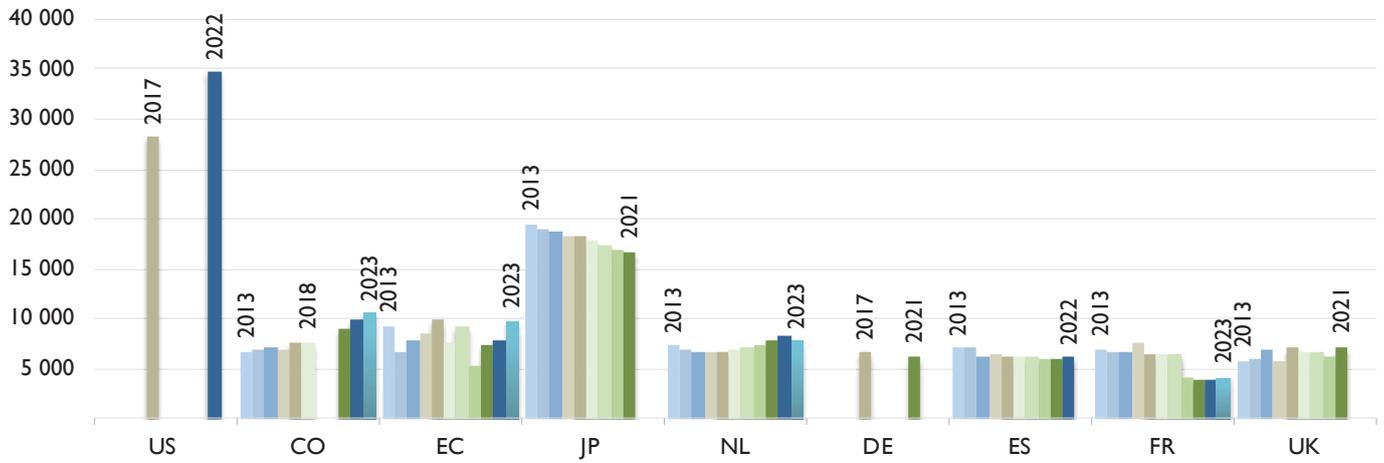
AREA AND PRODUCTION

Figure 1

Flowers and ornamental plants¹: Area of production in hectares

Selected countries, 2013–2023

In ha



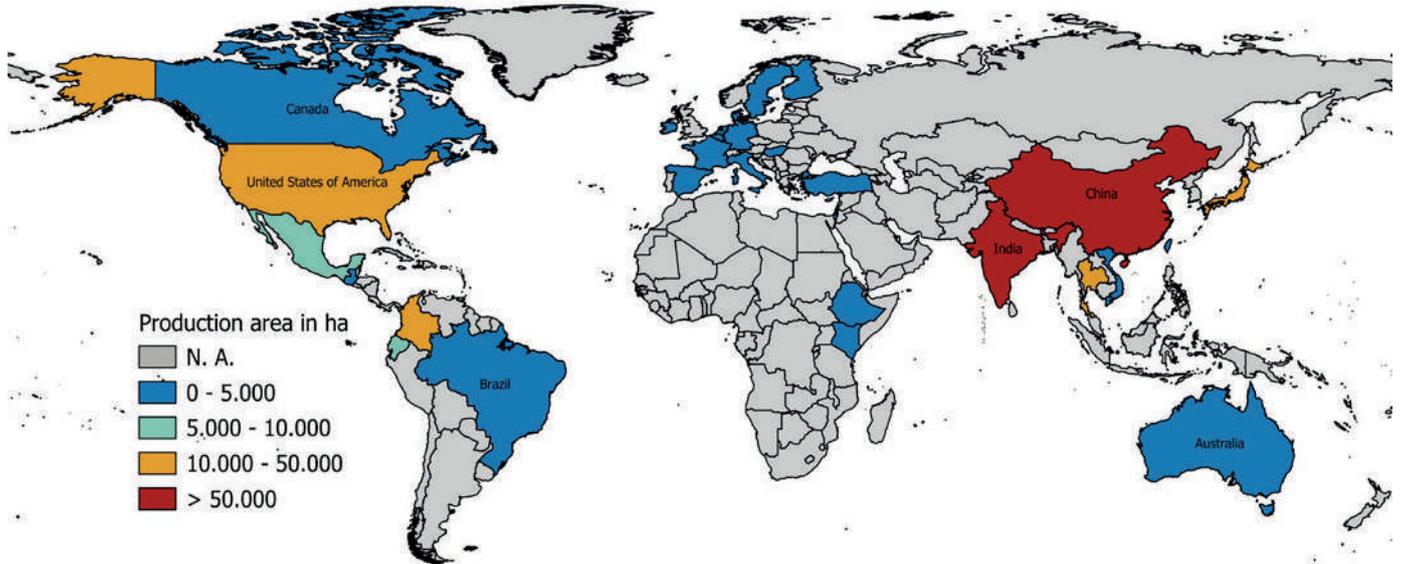
¹ Cut flowers, cut foliage, pot plants and bedding plants



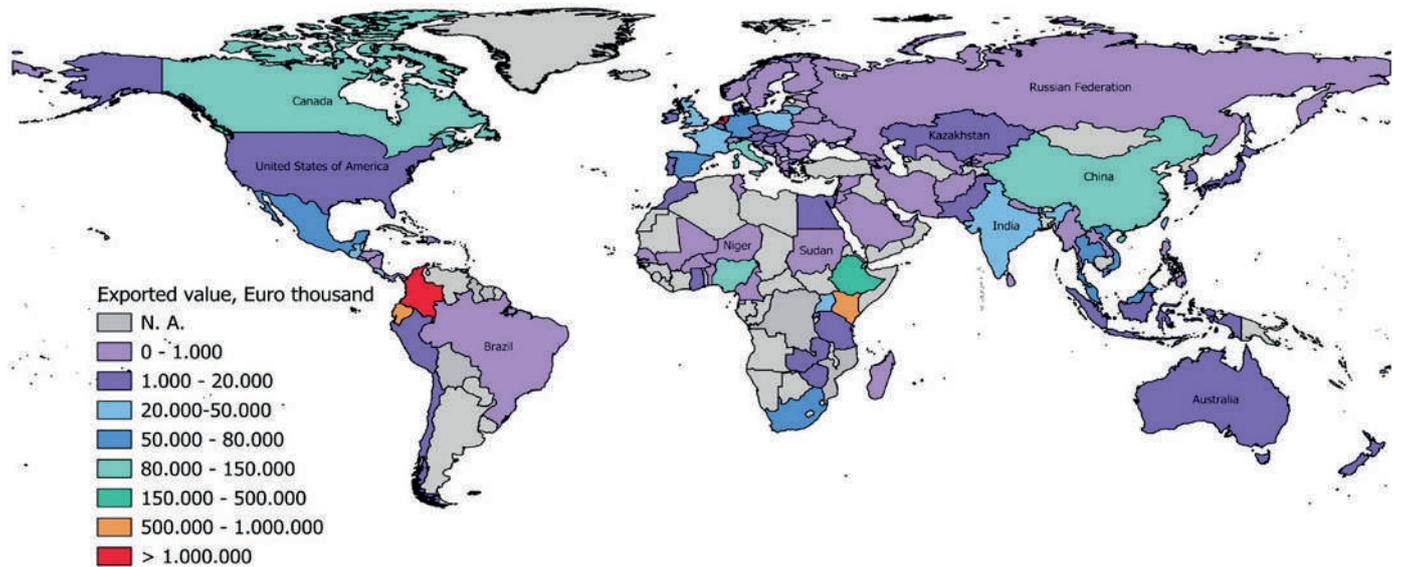
AREA AND PRODUCTION

Figure 2

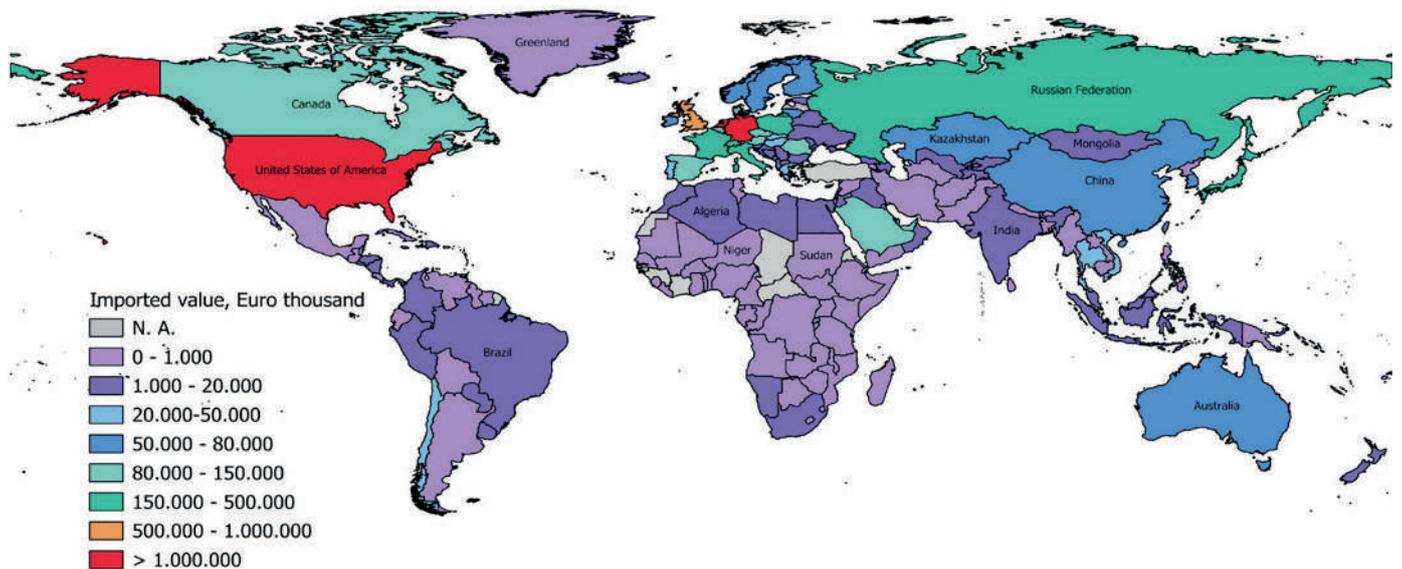
Important producers of cut flowers



Important export countries of cut flowers



Important import countries of cut flowers



Source: ITC Trade map, 2024

AUSTRALIA

Economic indicators 2023

Population:	26.6 millions
Surface area:	7 741 200 km ²
Population density:	3 people per km ²
Gross national income ¹ :	1 682 in billion \$
- per capita:	63 140 in \$
Purchasing power parity: (gross national income)	1 765 in billion \$
- per capita:	66 260 per capita in \$
Gross domestic product:	3.0 % growth
Gross domestic product:	0.6 per capita % growth

¹ Atlas method

Source: Worldbank, 2024, World Development Indicators

Gross value of agricultural products

Value in millions of Australian Dollars

	2021/22	2020/21	2019/20	2018/19	2017/18	2016/17
Total agriculture	.	70 857	60 681	60 430	58 931	60 842
Crops	.	39 932	28 252	29 658	29 346	32 845
Nurseries, total	.	1 360	1 268	1 179	1 136	1 102
Undercover	.	455	387	351	304	283
Outdoor	237	905	881	829	832	819
Cutflower, total	.	225	233	262	261	239
Undercover	.	80	78	78	91	104
Outdoor	.	145	155	184	169	136

Source: Australian Bureau of Statistics, Value of Agricultural Commodities Produced, 2023

Nursery stock

Area in hectares

	2021/22	2020/21	2019/20	2018/19	2017/18	2016/17	2015/16	2014/15	2013/14	2012/13
Under protection	.	847	736	671	593	570	426	345	325	340
In the open	3 460	3 985	3 954	3 844	3 906	3 926	3 898	4 315	4 424	4 682
Total	.	4 832	4 691	4 515	4 499	4 496	4 324	4 660	4 749	5 022

Source: Australian Bureau of Statistics, Agricultural Commodities, Australia and state/territory and ASGS (Statistical Area 4) regions, 2023

Cut flowers

Area in hectares

	2020/21	2019/20	2018/19	2017/18	2016/17	2015/16	2014/15	2013/14	2012/13	2011/12
Under protection	330	314	340	435	481	316	286	260	349	413
In the open	3 934	4 212	5 148	4 949	3 919	3 980	3 852	4 210	3 840	4 675
Total	4 264	4 527	5 488	5 384	4 399	4 296	4 138	4 470	4 189	5 088

Source: Australian Bureau of Statistics, Agricultural Commodities, Australia and state/territory and ASGS (Statistical Area 4) regions, 2023

Number of agricultural enterprises

	2021/22	2020/21	2019/20	2018/19	2017/18	2016/17	2015/16	2014/15	2013/14	2013/12	2012/11
Nurseries	845	1 142	1 265	1 235	1 171	1 222	1 127	1 395	1 104	1 675	1 794
Cut flowers	.	547	539	504	533	577	579	690	675	877	982

Source: Australian Bureau of Statistics, Agricultural Commodities, Australia and state/territory and ASGS (Statistical Area 4) regions, 2023

Production of plants

In 1.000 plants or stems

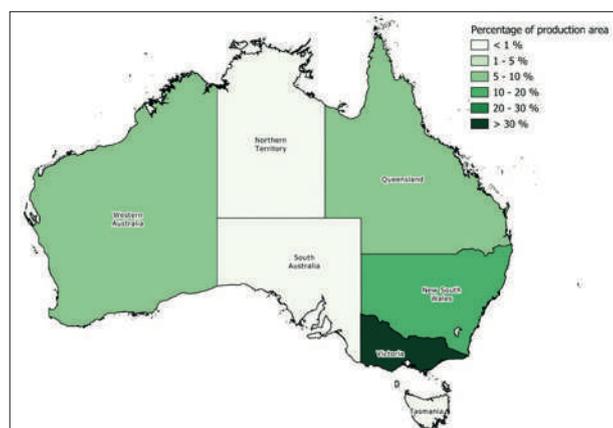
	2016/17
Propagation plants	926 146
Herbs and vegetables	443 969
Fruit trees, nut trees and vines	79 276
Bedding and potted color plants	56 393
Indoor plants	22 277
Perennials, trees and shrubs	776 749
Other plants	234 714
Cut flowers (in stems)	1 882 955

Source: Australian Bureau of Statistics, Agricultural Commodities, Australia and state /territory 2016/17, 2019

Distribution of production area in 2020/21

Cut flowers – Area by state, in hectares

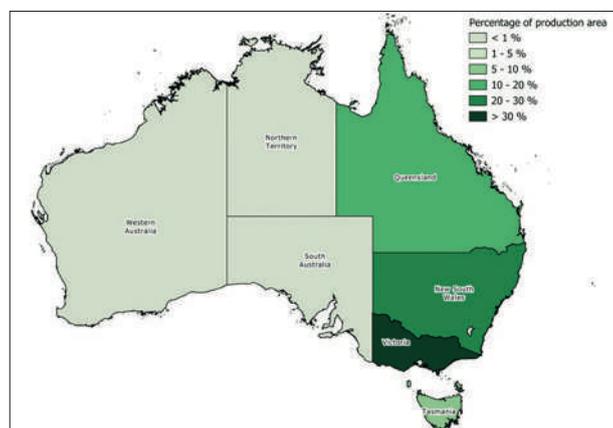
Total: 4 264 ha



	2020/21	in %
New South Wales	502	12
Victoria	2 597	61
Queensland	419	10
Western Australia	411	10
Other	335	8
Total	4 264	100

Nursery products – Area by state, in hectares

Total: 4 832 ha



		in %
New South Wales	1 338	28
Victoria	1 799	37
Queensland	791	16
Tasmania	293	6
Other	633	13
Total	4 832	100

Source: Australian Bureau of Statistics, Agricultural Commodities, Australia and state/territory and ASGS (Statistical Area 4) regions, 2023

Imports

Flowers and plants, value in 1 000 EUR

	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
Cut flowers and flower buds (HS-Code 0603)	54 898	67 653	58 492	44 529	45 587	43 174	42 923	40 334	45 470	38 821	33 990
Bulbs, tubers, corms, etc. (HS-Code 0601)	12 675	14 621	14 146	11 166	12 263	12 834	15 285	15 221	17 673	16 250	15 358
Live plants (including their roots) (HS-Code 0602)	13 085	15 350	16 280	13 264	13 294	11 780	10 502	10 071	9 466	6 836	6 438
Foliage, branches and other parts of plants (HS-Code 0604)	2 831	4 207	4 587	4 383	3 629	3 122	3 731	2 283	2 336	2 040	1 835
Total	83 489	101 831	93 505	73 342	74 773	70 910	72 441	67 909	74 945	63 947	57 621

Source: ITC Trade Map, 2024

Exports

Flowers and plants, value in 1 000 EUR

	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
Live plants (including their roots) (HS-Code 0602)	7 337	9 373	4 199	3 677	3 451	3 709	4 812	4 671	2 734	1 932	2 042
Cut flowers and flower buds (HS-Code 0603)	2 626	3 173	3 399	2 670	3 902	3 915	4 096	3 247	2 556	1 875	2 418
Foliage, branches and other parts of plants (HS-Code 0604)	3 253	2 886	2 321	1 781	2 543	2 679	2 738	2 919	2 926	2 974	3 138
Bulbs, tubers, corms, etc. (HS-Code 0601)	96	116	77	38	77	339	192	148	114	199	198
Total	13 312	15 548	9 996	8 166	9 973	10 642	11 838	10 985	8 330	6 980	7 796

Source: ITC Trade map, 2024

Imports

Cut flowers, value in 1 000 EUR

Partner country	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
Malaysia	11 995	17 142	13 727	8 333	8 114	8 147	7 618	6 910	5 935	5 127	3 207
China	7 014	12 346	12 556	8 279	3 666	2 527	2 894	2 716	1 650	1 125	920
Kenya	10 634	12 871	9 499	8 127	11 381	11 453	11 330	11 630	19 876	16 974	14 502
Ecuador	9 050	10 015	8 666	6 299	7 094	6 331	6 436	5 209	3 838	2 361	1 491
Colombia	6 182	6 937	5 364	5 552	6 245	6 052	6 236	5 334	5 199	4 641	4 057
Viet Nam	4 435	2 599	3 475	4 069	3 005	2 684	2 186	1 670	1 359	1 448	1 019
Taipei, Chinese	1 231	1 633	1 625	845	868	860	137	125	276	442	297
Thailand	873	984	801	662	1 614	1 706	1 781	1 755	1 838	1 813	1 711
New Zealand	738	710	719	480	394	537	744	787	838	707	856
Others	2 746	2 416	2 063	1 885	3 205	2 877	3 562	4 199	4 665	4 182	5 931
Total	54 898	67 653	58 492	44 529	45 587	43 174	42 923	40 334	45 470	38 821	33 990

Source: ITC Trade Map, 2024

AUSTRIA

Nursery stock and ornamental plants

Area in hectares

	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
Nursery stock	.	.	.	3 925	.	.	.	4 131	.	.	4 658
Ornamental nursery stock	.	.	.	1 200	.	.	.	1 376	.	.	1 101
Forest trees	.	.	.	377	.	.	.	310	.	.	949
Christmas trees	.	.	.	2 348	.	.	.	2 445	.	.	2 608
Ornamental plants	415	423	428	339	346	345	349	348	400	405	408
In the open	254	259	261	167	170	170	173	174	190	194	197
Under cover	161	164	167	172	176	175	176	174	210	211	211
Seeds and young plants	201	281	251	324	289	319	281	298	.	.	.

Source: Statistik Austria, Anbau auf dem Ackerland 2023

AREA AND PRODUCTION

Country pages

Use of area

Area in hectares, number of enterprises

	2020		2016		2013	2010	1999	1995
	Area	Number of enterprises	Area	Number of enterprises	Area in ha			
Nursery plants, vine plants and forest plants	1 717	463	1 792	667	2 244	1 787	2 039	2 286
Nursery plants	1 200	298	1 376	490	1 101	1 327	.	.
Forest trees	377	83	310	99	949	343	.	.
Christmas trees	2 348	1 174	2 445	1 270	2 608	2 002	2 068	1 754

Source: Statistik Austria, Statistik der Landwirtschaft 2020

Enterprises with horticultural production

	2020	2016	2013
Enterprises with horticultural production ¹	298	228	213
Specialized enterprises with mainly horticultural production ²	1 327	1 586	1 263
Total	1 625	1 814	1 476

¹ Standardoutput between 1/3 and 2/3 from horticulture

² Standardoutput more than 2/3 from horticulture

Source: Statistik Austria, Agrarstrukturerhebung 2020

BELGIUM

Flowers and plants

Area in hectares

	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
Under protection	366	376	371	362	379	389	386	403	421	409	425
Bulbs and tubers	1	3	3	3	2	3	2	4	3	4	3
Cut flowers	48	58	35	31	27	28	36	27	22	27	28
Roses	.	.	.	.	.	.	.	.	.	.	.
Azaleas	123	123	129	135	143	148	145	150	157	147	149
Pot plants	50	49	57	52	45	49	52	52	58	56	61
Pot chrysanthemums	12	13	16	14	14	19	21	21	24	23	22
Green foliage plants, indoor	23	21	23	23	17	14	13	12	14	16	19
Flowering pot plants, indoor	16	15	19	15	15	15	19	19	20	18	20
Bedding plants	103	109	109	109	75	73	71	71	66	57	60
Other	38	35	37	33	86	89	86	99	114	118	125
In the open	507	509	516	508	660	719	728	756	782	780	811
Bulbs and tubers	56	43	89	95	94	111	120	99	106	85	107
Cut flowers	114	105	56	51	39	43	36	35	30	28	31
Azaleas	83	82	86	94	101	114	114	115	115	109	111
Pot plants	225	244	246	234	412	436	446	495	525	554	553
Pot chrysanthemums	220	239	239	226	239	252	261	264	259	267	257
Other pot plants	5	5	7	8	172	184	186	232	265	287	296
Bedding plants	29	35	36	34	13	14	12	10	7	5	9

Nursery stock

Area in hectares

	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
In the open	5 325	5 400	5 553	5 290	5 310	5 314	5 314	5 316	5 264	5 032	5 109
Ornamental nursery stock	2 475	2 277	2 295	2 130	4 092	4 179	4 190	4 024	4 053	3 832	3 917
Rose plants	59	58	53	58	62	71	68	77	79	95	111
Perennials	870	905	964	831	596	557	510	470	474	439	454
Ornamental trees	1 546	1 313	1 278	1 238	3 434	3 552	3 612	3 478	3 500	3 298	3 353
Fruit trees	552	580	488	802	643	604	594	663	530	541	543
Forest trees	2 297	2544	2770	2357	576	531	530	629	681	659	649
Under protection	109	104	93	94	97	96	90	93	96	97	91

Source: Statistics Belgium, Landbouwcijfers 2023, Tab A

Production of plants and flowers in greenhouses and in the open

Number of enterprises

	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
In greenhouses/under protection											
Flowers and ornamental pot plants	302	317	310	309	287	304	299	318	341	352	366
In the open											
Flowers and ornamental pot plants	321	317	304	301	337	349	341	377	396	408	423
Nursery stock	699	719	807	783	760	759	728	745	722	707	738
Total	1 322	1 353	1 421	1 393	1 384	1 412	1 368	1 440	1 459	1 467	1 527

Source: Statistics Belgium, Landbouwcijfers 2023, Tab A

BRAZIL

Flowers and plants

Area in hectares

	2022	2021	2020	2014	2013	2012
Sao Paulo	9360	9360	9360	6850	6720	.
Santa Catarina	.	.	.	998	980	.
Rio Grande do Sul	.	.	.	1360	912	.
Rio de Janeiro	.	.	.	856	840	.
Distrito Federal	.	.	.	486	476	.
Minas Gerais	.	.	.	645	405	.
Paraná	.	.	.	356	349	.
Bahia	.	.	.	332	326	.
Pará	.	.	.	320	314	.
Ceará	.	.	.	338	312	.
Rio Grande do Norte	.	.	.	275	270	.
Amazonas	.	.	.	264	259	.
Espirito Santo	.	.	.	210	206	.
Pernambuco	.	.	.	345	188	.
Paraíba	.	.	.	320	181	.
Goiás	.	.	.	175	171	.
Piauí	.	.	.	162	158	.
Alagoas	.	.	.	184	135	.
Maranhao	.	.	.	125	123	.
Others	.	.	.	391	445	.
Total	15 600	15 600	15 600	14 992	13 770	11 800

Source: Ibraflor 2023

Area in hectares

	2022	2021	2020	2019	2014	2013	2012
Southeast	8 561	8 171	.
South	2 714	2 241	.
Northeast	2 027	1 772	.
North	861	815	.
Centralwest	829	771	.
Total	15 600	15 599	15 600	15 600	14 992	13 770	11 800

Source: Ibraflor 2023

Number of enterprises

	2022	2021	2020	2019	2014
Southeast	4 018
Northeast	1 138
North	437
Centralwest	423
Total	8 300	8 300	8 300	8 300	8 248

Source: Ibraflor

AREA AND PRODUCTION

Country pages

Area in hectares

Type of cultivation	2020	2014
In greenhouses	1 342	1 200
With shades	530	270
Open air	13 738	12 300
Others	.	1 222
Total	15 610	14 992

Type of product	2020	2014
Cut flowers	840	790
Potted plants and seedlings	890	810
Nursery plants	13 870	12 710
Others	.	682
Total	15 600	14 992

Source: Ibraflor

Total market value (in billion BRL) and per capita consumption (in BRL)

	2022 ¹	2021 ¹	2020	2019 ¹	2018	2017	2016	2015	2014	2013	2012	2011	2010
Total market value	11.8	10.9	9.6	8.7	7.2	6.9	6.5	6.1	5.6	5.2	4.8	4.4	3.8
Per capita consumption	56.7	65.0	45.8	42	34.3	33.2	31.6	29.9	27.6	25.9	24.1	22.3	19.5

Source: Hortica Consulting and Market Intelligence

¹ Source: Ibraflor 2023

Turnover Veiling Holambra

In million Brazilian Real (BRL) /in million EUR

	2021	2020	2019	2018	2017	2016	2015
in Brazilian Real (BRL)	1333.0	872.4	845.3	754.8	677.5	588.2	557.7
in EUR	209.0	148.0	187.2	169.9	170.5	171.0	129.3

Source: Veiling Holambra, 2022

CANADA

Economic indicators 2023

Population:	40.1 millions
Surface area:	9 879 800 km ²
Population density:	4 people per km ²
Gross national income ¹ :	2 163 in billion \$
- per capita:	53 930 in \$
Purchasing power parity: (Gross national income)	2 434 in billion \$
- per capita:	60 700 per capita in \$
Gross domestic product:	1.1 % growth
Gross domestic product:	-1.9 per capita % growth

¹ Atlas method

Source: Worldbank, 2024, World Development Indicators

Flowers and plants

Area in hectares

	2023	2022	2021	2020	2019	2018	2017	2016	2015	2013
Flowers and plants, greenhouse area¹	744	682	670	709	706	712	735	760	800	816
Glass greenhouses	223	200	189	199	200	195	218	232	237	248
Rigid plastic ²	50	42	39	38	36	38	31	25	32	42
Poly-film	471	440	442	471	470	479	486	503	530	526
Cut flowers, field grown	454	458	449	410	329	303	291	211	.	.
Nursery area, total	15 334	15 630	15 740	16 041	16 886	17 202	17 691	18 369	19 505	20 416
Open field	13 405	13 703	13 833	14 003	14 719	14 939	15 281	15 694	16 267	17 049
Container	1 929	1 926	1 908	2 037	2 167	2 263	2 410	2 676	3 238	3 367

¹ Excludes mixed operations (vegetables, flowers and plants)

² Includes all other type of enclosed protection (rigid insulation, mine shafts, shelters)

Source: Statistics Canada Table 32-10-00-19-01 Estimates of specialized greenhouse operations, greenhouse area and months of operation, 2024

Source: Statistics Canada Table 32-10-0029-01 Estimates of nursery area, 2024

Source: Statistics Canada Table: 32-10-0452-01 Estimates of field-grown cut flowers area, production and sales, 2024

Number of enterprises or operations

	2023	2022	2021	2020	2019	2018	2017	2016	2015	2013
Nurseries	1 766	1 778	1 840	1 993	2 127	2 209	2 275	2 242	2 353	2 477
Greenhouse operations, flowers and plants		1 646	1 620	1 615	1 620	1 646	1 703	1 811	1 872	2 035
Operations with field grown cut flowers	201	194	199	185	172	197	178	121		

Source: Statistics Canada Table 32-10-00-19-01 Estimates of specialized greenhouse operations, greenhouse area and months of operation, 2024

Source: Statistics Canada Table 32-10-0029-01 Estimates of nursery area, 2024

Source: Statistics Canada Table: 32-10-0452-01 Estimates of field-grown cut flowers area, production and sales, 2024

Results of the Census of Agriculture

Area in hectares

	2016	2011
Floriculture	793	859
Nursery ¹	19 859	24 146
Christmas trees	23 787	28 315

¹ In 2016 without operations producing tree seedlings for reforestation

Number of farms¹

	2016	2011
Floriculture	2 403	3 016
Nursery ²	2 780	3 438
Christmas trees	1 872	2 381

¹ Includes all farms producing floricultural products, nursery plants or christmas trees

² In 2016 without operations producing tree seedlings for reforestation

Source: Statistical overview Canadian Ornamental Industry – 2016, Agriculture and Agri-Food Canada, 2018

Cut flowers and cuttings

In 1 000 stems

	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
Cut flowers	323 711	317 592	304 147	271 842	285 703	296 285	291 342	306 315	314 373	317 576	332 900
Tulips	138 479	134 586	125 854	102 997	120 896	124 903	119 132	111 177	120 021	117 095	128 743
Gerbera	76 329	74 090	74 698	73 195	69 183	80 295	81 079	87 778	75 229	74 284	78 560
Antirrhinum (Snapdragon)	27 913	26 625	25 298	21 816	22 360	20 725	18 864	23 772	12 146	13 835	19 272
Chrysanthemums	24 366	21 887	21 879	23 278	20 654	21 769	23 142	25 378	33 562	32 470	34 949
Lilies	13 004	15 017	13 454	12 080	11 525	12 113	9 999	11 557	9 721	9 191	13 307
Lisianthus	13 725	14 340	11 042	8 071	6 208	4 016	5 440	5 793	5 498	2 455	.
Alstroemeria	3 331	3 438	3 683	3 711	3 365	5 754	7 491	8 964	12 250	10 732	13 180
Roses	2 860	2 836	3 078	3 071	3 831	3 557	4 417	.	5 388	5 944	8 306
Iris	248	198	280	214	1 649	2 033	1 834	.	3 198	4 598	2 408
Freesias	2 090	2 257	2 511	2 857	3 732	4 745	5 979	5 821	4 576	4 492	.
Narcissus	.	1 571	1 456	1 231	1 386	2 759	2 623	3 745	4 061	6 618	4 098
Other cut flowers	20 545	20 747	20 914	17 398	20 612	13 618	11 341	16 484	28 657	35 289	22 141

Source: Statistics Canada, Table 32-10-0021-01 Production of potted plants, cut flowers, cuttings, by variety and tree seedlings, 2024

Nursery stock

In 1 000 pieces, field and container grown

	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
Small fruit bushes	33 382	33 551	34 187	34 210	47 438	53 118	53 809	53 440	60 285	.	.
Perennials and annuals	16 603	17 034	21 674	19 681	17 035	19 115	19 677	22 566	26 018	15 619	19 553
Deciduous shrubs (including roses)	11 100	13 623	11 631	10 573	10 256	10 767	11 599	9 813	11 455	11 143	12 651
Conifer trees	6 402	7 716	6 031	5 106	4 275	3 031	4 590	3 599	3 063	2 461	3 680
Evergreen and conifer shrubs	6 056	5 074	5 168	6 283	5 641	6 552	5 311	3 758	3 468	4 588	3 697
Evergreen and broadleaf shrubs	3 323	3 654	3 335	3 929	3 607	3 165	3 869	4 078	3 783	4 229	4 829
Fruit trees	1 986	2 258	2 637	1 606	1 454	1 488	1 814	1 719	1 081	1 336	857
Shade and ornamental trees	2 649	3 223	2 433	2 802	2 781	2 410	2 761	2 821	4 202	3 937	.

Source: Statistics Canada, Table 32-10-0031-01 Nursery tree and plant production, 2024

Flowers and plants, potted

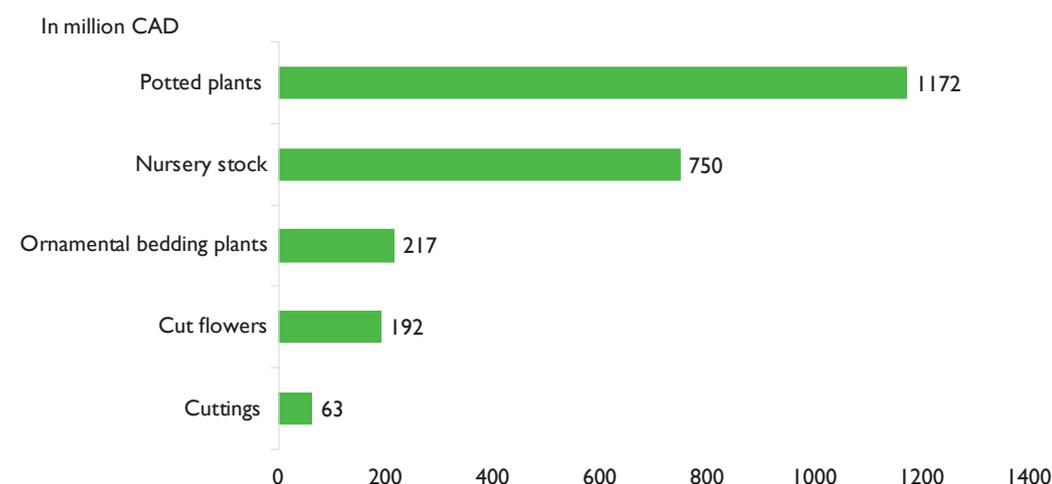
In 1 000 pieces, stems or pots

	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
Indoor plants, potted											
Roses, miniature	10 896	10 209	9 438	8 531	8 965	9 555	10 214	10 318	10 184	9 552	9 446
Kalanchoe	12 530	12 846	11 639	8 367	9 331	9 072	7 178	8 024	8 464	7 267	6 456
Chrysanthemums	6 349	6 596	5 680	4 984	6 329	6 806	6 037	6 335	7 457	7 904	8 206
Poinsettias	5 794	5 604	5 154	4 740	4 741	5 919	5 690	6 451	7 222	7 141	8 456
Gerbera	3 958	3 873	3 597	3 377	3 422	4 345	4 171	4 230	5 042	4 739	3 615
African violets	4 175	4 078	4 189	4 006	4 296	4 377	3 833	7 278	8 937	5 717	.
Orchids	7 256	6 541	5 919	5 314	3 020	3 170	3 036	2 115	3 137	2 797	2 920
Lilies	3 406	3 690	3 079	2 678	2 783	3 121	2 811	3 495	5 845	3 251	5 083
Primula	2 077	2 157	1 935	1 745	2 027	1 960	2 291	3 077	2 396	1 874	2 347
Tulips, indoor potted	3 110	2 195	2 154	1 616	2 381	2 216	2 158	2 090	2 321	1 862	1 887
Cyclamen	2 047	2 109	1 833	2 087	1 646	1 843	1 719	1 925	2 340	1 820	1 969
Azalea	450	412	435	461	494	656	611	930	1 131	1 201	1 205
Foliage and green plants	24 609	25 411	23 176	19 131	17 310	15 279	15 557	11 425	11 435	8 110	10 171
Indoor hanging pots	1 373	1 484	1 788	1 888	1 313	1 212	940	1 275	1 505	899	908
Other indoor potted plants	17 479	19 365	16 526	15 575	14 013	14 081	13 241	15 597	17 932	17 337	16 554
Outdoor plants, potted											
Geraniums	13 517	13 684	14 472	12 910	13 890	15 726	15 633	16 472	18 784	19 123	18 705
Petunias	7 014	7 362	6 881	5 151	5 182	5 592	6 878	6 923	8 409	7 335	8 880
Begonias	4 626	4 553	5 254	5 181	5 357	6 099	6 135	6 708	6 880	6 288	6 915
Impatiens	.	3 624	3 767	3 616	3 551	4 067	3 977	3 889	4 121	3 596	5 855
Chrysanthemums	3 287	3 018	3 105	2 716	2 622	2 969	3 660	3 630	4 018	3 904	4 074
Calibrachoa	2 897	3 017	3 056	2 498	2 440	2 310	2 373	2 624	.	.	.
Vegetable plants	12 898	12 913	13 878	11 639	9 580	9 708	9 714	7 227	.	.	.
Outdoor potted fine herb plants	15 272	15 252	14 654	10 016	10 076	12 324	12 561	10 698	.	.	.
Outdoor hanging pots	13 296	12 965	12 297	10 812	12 004	11 689	11 433	12 896	12 762	12 637	12 064
Other outdoor potted pots	51 125	49 779	49 570	53 681	46 107	45 407	44 872	48 503	54 736	46 305	43 056
Herbaceous flowering perennials	13 614	15 573	13 282	12 804	11 806	9 529	7 960	8 130	11 692	10 979	12 070
Others	8 413	4 673	4 665	4 133	5 988	4 156	4 577	4 118	410	217	9 184
Total potted plants, in- and outdoor	251 468	252 983	241 423	219 658	210 675	213 187	209 260	216 382	217 159	191 855	200 025
Cuttings, pot plants	92 750	96 145	96 856	91 573	94 202	84 614	87 910	89 744	98 342	97 223	92 051

Source: Statistics Canada, Table 32-10-0021-01 Production of potted plants, cut flowers, cuttings, by variety and tree seedlings, 2024

Canada: Sales of greenhouse flowers, plants and nursery stock 2023

Farm gate value (before sales tax)



Source: Statistics Canada, Table 32-10-0246-01 Production and sale of greenhouse flowers, and plants, Table 32-10-0032-01 Nursery stock sales and resales, 2024

Sales of greenhouse flowers, plants and nursery stock 2014–2023

Value in million CAD, Farm gate value (before sales tax)

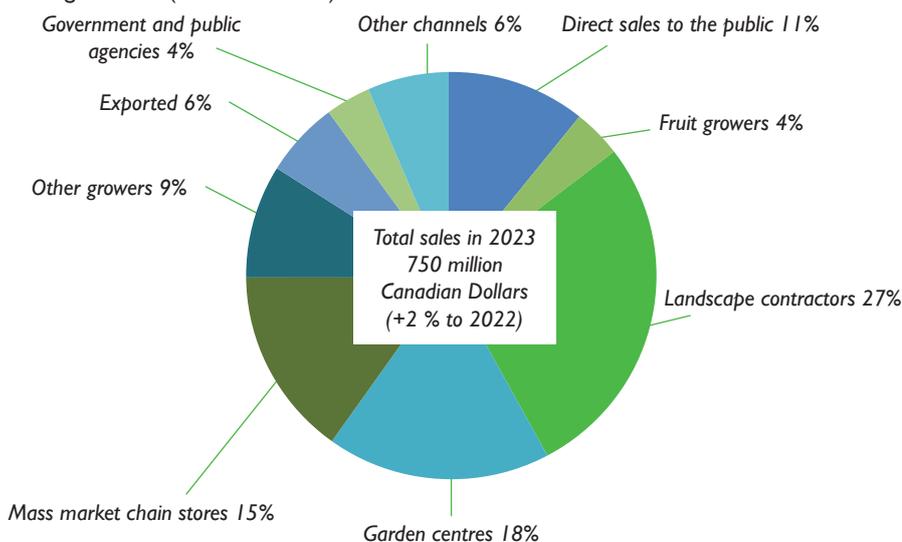
	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014
Potted plants	1 172	1 146	1 030	904	853	834	790	812	786	706
Nursery stock	750	730	747	717	680	661	660	670	760	747
Ornamental bedding plants	217	214	227	230	208	205	204	192	180	191
Cut flowers	192	178	161	138	134	133	127	140	147	150
Cuttings	63	62	57	52	51	44	45	44	50	51

Source: Statistics Canada, Table 32-10-0246-01 Production and sale of greenhouse flowers, and plants, 2024

Source: Statistics Canada Table 32-10-0032-01 Nursery stock sales and resales, 2024

Canada: Channels for distribution for nursery product sales and resales 2023

Farm gate value (before sales tax)

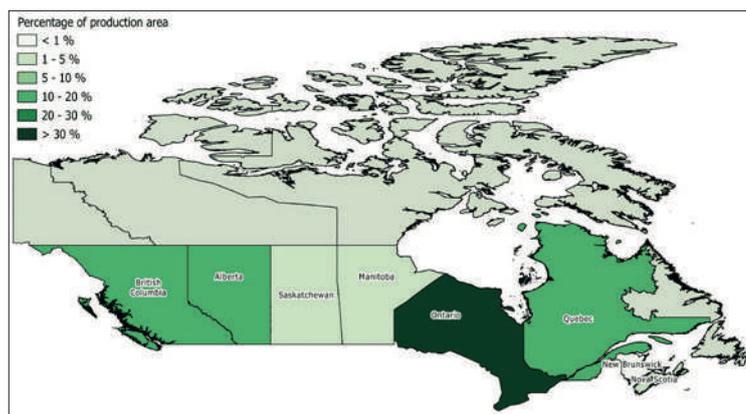


Source: Statistics Canada, Table 32-10-033-01 Channels of distribution of nursery product sales and resales, 2024

Distribution of production area in 2023

Production of nursery stock

Total: 15 334 ha



Source: Statistics Canada, Table 32-10-0029-01 Estimates of nursery area, CANSIM (database), 2024

Nursery stock	Production area	
	In ha	In %
Total	15 334	100
Ontario	7 519	49
Quebec	2 334	15
British Columbia	2 344	15
Alberta	2 195	14
Manitoba	388	3
Saskatchewan	307	2
Nova Scotia	167	1
New Brunswick	39	0
Others	41	0

AREA AND PRODUCTION

Country pages

CANADA – External trade ornamental horticultural products

Imports – Flowers and plants, value in 1 000 EUR

	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
Bulbs, tubers etc.	57 255	56 291	47 464	34 803	34 968	36 547	36 381	37 180	37 055	34 928	37 262
Bulbs and tubers, corms etc. dormant	52 402	51 119	43 666	32 892	33 140	35 403	35 036	34 316	34 934	32 625	35 397
Bulbs and tubers, in growth or flower	4 853	5 172	3 798	1 911	1 828	1 144	1 345	2 864	2 121	2 303	1 865
Live plants etc.	254 559	276 980	248 088	202 936	201 905	180 348	178 854	164 394	163 100	139 683	139 771
Unrooted cuttings and slips	43 921	44 418	41 001	33 848	34 807	28 781	26 671	25 277	24 534	20 689	21 217
Fruit trees and bushes	28 578	25 226	19 738	17 684	15 665	14 154	14 356	12 309	11 970	11 326	12 777
Rhododendrons and azaleas	2 757	3 335	2 966	2 648	2 717	2 540	3 268	3 093	3 427	3 113	3 875
Roses, plants	5 264	4 245	3 291	2 775	2 603	2 465	2 170	2 359	2 536	1 652	2 122
Mushroom spawn and other life plants		199 756	181 092	145 981	146 114	132 409	132 390	121 356	120 633	102 903	99 780
Cut flowers and cut foliage	187 258	203 699	166 096	119 944	145 011	140 921	146 789	138 338	144 456	129 262	130 639
Roses	59 821	64 012	52 977	39 909	51 209	50 527	51 889	48 878	52 780	48 301	47 179
Carnations	14 839	15 806	13 713	10 053	12 489	11 948	12 992	12 812	13 771	11 883	12 613
Orchids	1 428	1 439	1 318	731	1 388	1 365	1 403	1 199	1 559	1 964	2 209
Chrysanthemums	14 448	14 675	13 269	9 569	11 846	12 081	13 658	13 502	13 407	10 622	10 515
Lilies	2 381	2 463	1 997	1 427	2 070	2 851	3 175	2 974	3 175	2 946	3 291
Other cut flowers, fresh	47 584	49 738	38 266	26 461	32 154	31 092	33 207	31 573	32 173	29 686	30 509
Cut flowers, dried or otherwise treated	2 822	3 089	3 221	1 800	1 787	1 499	1 518	1 649	1 585	1 132	1 669
Foliage, Branches, other parts of plants, fresh	35 056	38 567	31 054	23 483	25 863	23 985	23 096	20 108	20 607	18 251	18 208
Foliage, Branches, other parts of plants, treated	8 879	13 910	10 282	6 511	6 204	5 573	5 851	5 644	5 402	4 478	4 448
Total	499 072	536 970	461 649	357 682	381 884	357 816	362 025	339 912	344 612	303 872	305 806

Imports – Cut flowers, value in 1 000 EUR

Partner Country	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
Colombia	80 642	85 105	71 455	54 898	69 554	70 912	73 770	68 797	67 733	61 692	59 640
Ecuador	36 698	37 086	29 651	19 786	24 635	23 471	25 323	26 166	31 437	27 928	29 459
Netherlands	11 081	11 658	8 463	5 461	5 736	4 558	5 006	4 651	3 677	3 723	3 438
USA	4 165	4 600	3 928	3 175	3 585	3 693	4 082	3 622	5 425	5 067	6 311
Mexico	2 030	2 579	1 749	1 209	1 458	1 265	1 439	1 325	1 448	1 229	1 302
Israel	1 090	1 361	1 063	658	1 466	1 399	1 401	973	950	815	851
Ethiopia	1 186	1 393	1 019	416	470	270	124	89	152	41	13
Kenya	781	905	1 010	504	745	588	978	1 587	1 423	541	410
Italy	885	867	827	480	486	330	279	156	195	123	131
Others	4 766	809	5 595	3 364	4 757	4 819	5 439	5 168	6 009	5 384	6 420
Total	143 325	151 213	124 760	89 950	112 892	111 305	117 842	112 534	118 448	106 543	107 976

Imports – Cut foliage and branches, value in 1 000 EUR

Partner Country	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
USA	25 685	30 473	25 148	19 335	19 997	19 235	19 129	16 811	17 779	16 013	15 926
China	2 542	4 831	3 077	2 173	2 478	1 893	1 780	1 903	1 713	1 510	1 437
Colombia	3 282	3 016	2 441	1 961	1 803	1 541	1 663	1 561	1 233	838	779
India	2 005	2 894	2 426	1 097	1 252	1 525	1 403	1 121	1 038	764	859
Mexico	4 344	3 020	2 343	1 668	1 162	932	1 007	908	725	639	701
Italy	2 042	2 522	1 826	999	1 448	1 192	863	579	397	270	288
Ecuador	305	568	580	345	397	375	406	421	616	570	756
Others	3 759	5 153	3 493	2 410	3 533	2 851	2 694	2 449	2 514	2 119	1 912
Total	43 966	52 477	41 336	29 988	32 071	29 543	28 947	25 753	26 014	22 721	22 658

AREA AND PRODUCTION

Country pages

Exports – Flowers and plants, value in 1 000 EUR

	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
Bulbs	32 452	26 167	22 234	13 403	19 575	15 769	16 726	16 613	14 634	12 388	11 218
Bulbs and tubers, corms etc., dormant	6 832	5 084	4 264	1 987	2 784	2 242	2 087	1 728	1 195	372	447
Bulbs and tubers, in growth or flower	25 620	21 083	17 970	11 416	16 791	13 527	14 639	14 885	13 439	12 016	10 771
Live plants	522 675	487 323	394 687	303 752	282 473	237 829	231 528	219 278	212 168	167 731	149 177
Unrooted cuttings and slips	3 307	3 814	527	407	245	198	295	230	801	1 076	968
Fruit trees and bushes	33 524	30 397	23 987	16 724	13 936	8 047	8 141	9 201	10 578	9 001	10 971
Rhododendrons and azaleas	4 066	2 583	2 518	1 785	3 038	3 074	3 536	3 145	3 183	2 199	2 173
Roses, plants	35 360	29 637	17 662	12 250	12 467	11 632	12 673	11 809	11 006	9 221	8 750
Mushroom spawn and other life plants	446 418	420 892	350 014	272 586	252 787	214 877	206 883	194 893	186 600	146 235	126 315
Cut flowers and cut foliage	200 115	188 918	159 550	119 025	124 462	105 297	98 751	94 943	84 879	71 051	69 642
Roses	18	8	106	20	73	61	83	92	136	281	144
Carnations	0	6	1	21	17	44	79	122	89	87	66
Orchids	59	26	15	6	18	17	34	13	7	7	5
Chrysanthemums	483	212	233	102	62	32	10	19	64	53	2
Lilies	1 252	1 303	1 125	825	684	820	611	710	592	455	1 049
Other cut flowers, fresh	98 774	82 917	66 765	48 662	54 163	50 732	50 820	48 480	42 910	34 066	32 257
Cut flowers, dried or otherwise treated	461	824	1 106	1 522	2 357	734	463	2 190	618	228	167
Foliage, branches, other parts of plants, fresh	81 267	90 575	78 901	60 146	62 517	48 826	40 994	37 323	35 923	32 647	32 608
Foliage, branches, other parts of plants, treated	17 801	13 047	11 488	7 721	4 571	4 031	5 656	5 993	4 540	3 227	3 344
Total	752 258	702 410	576 472	436 181	426 510	358 894	347 006	330 834	311 681	251 170	230 037

Exports – Cut flowers and cut foliage, value in 1 000 EUR

Partner country	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
Cut flowers	101 041	85 297	69 350	51 157	57 372	52 280	52 101	51 627	44 416	35 201	33 689
USA	101 041	85 286	69 340	51 152	57 366	52 164	51 974	51 477	44 243	35 200	33 675
Others		11	10	5	7	116	127	150	172	1	14
Cut foliage, branches	99 076	103 622	90 201	67 892	67 080	52 782	46 650	43 316	40 464	35 915	35 952
USA	96 354	100 500	87 747	66 054	64 651	50 824	44 221	40 865	36 922	32 766	31 405
Panama	1 292	1 637	1 085	847	1 190	1 100	1 308	1 185	2 356	965	983
Curacao	290	327	324	221	222	187	293	284	170	205	
Bermuda	140	134	240	213	182	159	167	180	154	175	169
Aruba Island	258	216	224	113	256	166	154	148	96	100	74
Others	742	808	581	445	580	346	508	654	765	1 704	3 320

Source: Trade Data Online, Government of Canada, 2024

CHINA

Flowers and plants

Area under protection and in the open in hectares

	2023 ^p	2022 ²	2021 ²	2020 ^{r2}	2019 ^{r2}	2018 ²	2017 ²	2016 ²	2015 ²	2014 ²	2013 ²
Total area	389 858	484 194	594 111	631 537	470 516	461 207	392 293	330 441	305 464	270 227	227 126
Cut flowers, foliage and branches	63 263	71 300	.	74 334	69 258	64 328	69 753	64 560	62 904	64 782	65 128
Cut flowers				60 666	53 753	50 702	54 966	50 501	49 715	51 868	51 349
Roses				19 049	19 069	18 077	17 790	15 730	13 544	14 348	14 316
Lilies				5 960	6 639	6 711	7 322	8 212	8 824	8 977	9 989
Chrysanthemums				7 987	8 050	7 157	7 213	7 229	7 274	7 427	8 475
Gerbera				3 570	4 105	4 055	4 757	4 838	5 127	5 749	6 204
Carnations				5 142	4 699	5 221	3 788	4 031	3 017	3 326	5 312
Gladioli				1 368	1 185	1 210	2 959	2 896	2 038	3 308	4 896
Cut foliage				8 557	6 894	7 789	8 069	7 497	7 431	7 698	8 592
Cut branches				5 112	8 611	5 837	6 718	6 563	5 758	5 216	5 187
Pot plants	106 274	105 335	.	114 086	128 396	126 095	118 805	105 837	104 748	106 615	103 953
Flowering and green pot plants				65 247	65 770	62 599	63 864	61 429	63 196	62 020	61 036
Marantaceae				3 738	4 662	6 184	6 219	6 007	4 884	6 676	5 699
Bromeliads				3 474	3 528	3 900	4 608	4 334	4 733	5 407	7 033
Anthurium				1 990	2 206	2 418	3 271	2 699	2 389	2 751	3 850
Rhododendron and azalea				1 313	1 203	1 681	2 205	1 244	820		
Cymbidium				1 904	1 867	1 888	1 706	1 767	712	753	1 294
Phalaenopsis				852	727	789	571	610	544	506	672
Orchids, total										10 954	18 100
Bonsai				16 565	18 347	18 994	19 365	18 438	17 824	19 788	18 805
Bedding plants				32 274	44 279	44 502	35 577	25 970	23 728	24 807	24 112
Nursery stock	824 428	837 296	896 865	856 278	973 642	843 518	800 560	769 635	768 685	740 954	714 101
Flower seeds	.	.	.	6 451	6 010	5 658	.	5 252	5 431	4 531	4 612
Seedlings	.	.	.	10 394	8 996	8 507	8 822	8 257	7 328	6 903	8 828
Bulbs	.	.	.	3 627	3 116	3 212	2 639	2 630	6 070	5 658	4 174
Flower seeds, young plants, bulbs	40 440	41 274	.	.	.	.	.	.	.	.	.
Dry flowers	.	.	.	.	.	381	610	.	705	621	53
Others	74 146	123 921	.	.	.	.	.	.	.	.	.

Source: China Flower Association, 2024 p=provisional; r=revised

1 Data of 2021 were collected according to different statistic system from previous years, only total area of nursery stock and flowers for food and industry were collected;

Data of 2022 and 2023 were collected according to new statistic system.

2 the total area includes flowers for medicine or food and flowers for industry or other use

Area of production under protection

In hectares

	Total	Greenhouse		Large, medium and small sized sheds	Shades
		Total	Energy Saving		
2023 ^{p1}	133 510	.	.	.	.
2022 ¹	97 813	.	.	.	.
2021 ¹	102 725	.	.	.	.
2020	108 486	31 279	10 138	44 323	32 885
2019	125 770	28 374	10 978	50 776	46 620
2018	133 606	29 322	10 291	55 040	50 803
2017	120 313	25 754	10 656	48 663	45 900
2016	116 173	24 599	10 968	47 352	44 222
2015	125 286	28 419	11 505	48 679	48 188
2014	129 468	28 442	9 283	56 633	44 393
2013	133 482	36 097	16 652	55 145	42 240

Source: China Flower Association, 2024

p = provisional

1 Data of 2021 were collected according to different statistic system from previous years; Data of 2022 and 2023 were collected according to new statistic system.

Flower markets and enterprises

	Flower markets		Flower enterprises		
	Total	large flower markets ²	Total	large and medium size ³	large size ⁴
2023p ¹	.	588	.	.	3 860
2022 ¹	.	896	.	.	5 249
2021	3 354	.	.	8 623	.
2020	3 282	.	74 925	11 320	11 320
2019	3 447	.	78 230	13 001	13 001
2018	3 051	.	70 758	13 712	13 712
2017	2 980	.	80 868	13 592	13 592
2016	3 029	.	79 512	14 108	14 108
2015	3 220	.	84 978	15 592	15 592

Source: China Flower Association, 2024

p = provisional

¹ Data of 2021 were collected according to different statistic system from previous years; Data of 2022 and 2023 were collected according to new statistic system.

² Markets covering an area of no less than 100 000 m² rent by no less than 500 traders.

³ enterprises with production area of 3 ha or more, or with an yearly turnover of over 5 mio RMB Yuan

⁴ enterprises with with annual turnover of over 10 mio RMB Yuan

Flowers and plants

	Sales volume in 1000 RMB			Sales volume in million EUR		
	2023p ¹	2022 ¹	2021 ¹	2023p ¹	2022 ¹	2021 ¹
Total²	216 794 792	225 476 395	216 064 844	28 302	31 852	28 324
Cut flowers, foliage and branches	24 143 924	26 397 223	.	3 152	3 729	.
Pot plants	65 219 774	59 038 381	.	8 514	8 340	.
Nursery stock	93 062 988	103 872 046	.	12 149	14 674	.
Flower seeds, Young plants, Bulbs	6 641 697	7 611 789	.	867	1 075	.
Others	9 291 745	10 885 554	.	1 213	1 538	.

Source: China Flower Association, 2024 p=provisional

¹ Data of 2021 were collected according to different statistic system from previous years; Data of 2022 and 2023 were collected according to new statistic system.

² the total sales volume in 1000 RMB and EUR includes flowers for medicine or food and flowers for industry or other use

Cut flowers and pot plants

Production Quantity in 1000 pieces

	2023p ¹	2022 ¹	2021 ¹
Cut flowers, foliage and branches	31 538 784	32 444 297	28 330 640
Pot plants	34 254 065	15 270 016	30 574 777
Nursery stock	17 328 144	14 523 901	.

Source: China Flower Association, 2024

¹ Data of 2021 were collected according to different statistic system from previous years;

Data of 2022 and 2023 were collected according to new statistic system.

CHINESE TAIPEI

Flowers and plants

Area in hectares

	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
Cut flowers	2 827	2 897	3 003	3 038	3 054	3 017	3 358	3 267	3 288	3 321
Chrysanthemums	593	574	599	649	637	649	654	703	747	745
Gladioli	90	92	115	117	133	144	164	189	210	197
Lilies	392	377	402	352	343	325	347	322	303	290
Tuberose	25	29	41	49	47	55	52	48	53	55
Oncidiums	248	254	245	237	247	249	266	261	261	249
Roses	160	157	166	178	189	189	193	203	222	228
Anthurium	141	147	150	161	161	175	177	183	189	198
Carnations	39	50	44	43	41	45	45	48	57	58
Gerbera	61	55	63	64	68	65	64	74	70	69
Eustoma	88	98	101	91	91	69	102	105	121	114
Dahlia	1	3	6	10	9	9	12	12	11	14
Heliconia	56	58	64	66	64	60	68	54	40	35
Others	932	1 003	1 009	1 020	1 023	984	1 214	1 064	1 003	1 070
Orchids	727	745	741	761	750	751	745	707	691	677
Magnolia	48	50	50	52	49	50	60	52	53	58
Bulbs	3	4	2		2	4	7	4	1	2
Seeds	16	12	18	2	10	7	1	8	9	8
Pot flowers	1 106	1 092	1 074	1 056	1 036	1 057	1 010	994	945	926
Nursery stock	9 307	9 666	9 631	9 546	9 474	9 469	9 220	8 832	8 316	8 343
Total	14 033	14 466	14 520	14 455	14 374	14 335	14 409	13 864	13 304	13 336

Source: Chinese Taipei Council of Agriculture, Yearly Report, 2023

Cut flowers

Production in 1 000 dozens

	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
Chrysanthemums	140 391	14 043	15 812	15 352	14 719	15 503	16 072	17 081	17 077	17 693
Gladioli	1 407	1 475	1 761	1 813	2 108	2 263	2 719	3 235	3 640	3 343
Lilies	6 456	6 131	6 801	5 829	5 567	5 983	6 340	6 214	5 913	5 919
Tuberose	429	496	659	828	796	940	852	785	886	921
Oncidiums	4 546	4 781	4 763	5 110	5 119	5 282	4 987	5 532	5 736	5 334
Roses	5 989	5 737	6 345	6 912	7 484	7 575	7 601	8 105	9 525	9 543
Anthurium	2 865	2 789	2 952	3 336	3 399	3 694	3 327	3 968	4 214	4 284
Carnations	1 759	2 370	2 150	2 410	2 243	2 335	2 473	2 619	3 042	2 915
Gerbera	4 889	4 420	4 955	5 405	5 665	5 376	5 719	6 746	6 537	6 533
Eustoma	1 962	2 243	2 377	2 167	2 138	1 649	2 472	2 581	2 940	2 870
Dahlia	12	47	83	163	154	151	521	512	468	618
Heliconia	520	509	586	601	574	555	606	507	359	318
Others	15 296	15 888	16 436	16 877	16 991	16 356	18 773	17 412	16 408	17 816
Cut flowers, total	60 519	60 929	65 680	66 803	66 957	67 662	72 460	75 299	76 746	78 106

Source: Chinese Taipei Council of Agriculture, Yearly Report, 2023

COLOMBIA

Economic indicators 2023

Population:	52.1 millions
Surface area:	1 140 600 km ²
Population density:	46 people per km ²
Gross national income ¹ :	358 in billion \$
- per capita:	6 870 in \$
Purchasing power parity: (gross national income)	1 116 in billion \$
- per capita:	21 420 per capita in \$
Gross domestic product:	0.6 % growth
Gross domestic product:	0.2 per capita % growth

¹ Atlas method

Source: Worldbank, 2024, World Development Indicators

Cut flowers and cut foliage

Area in hectares

	2023	2022	2021 ¹	2020	2019	2018	2017	2016	2015	2014	2013
Cut flowers and cut foliage	10 500	10 000	8 900	.	.	7 665	7 532	6 796	7 161	6 918	6 783

Source: Asocolflores, Carolina Pantoja, ICA 2024

¹ from July 2021

Cut flowers and cut foliage

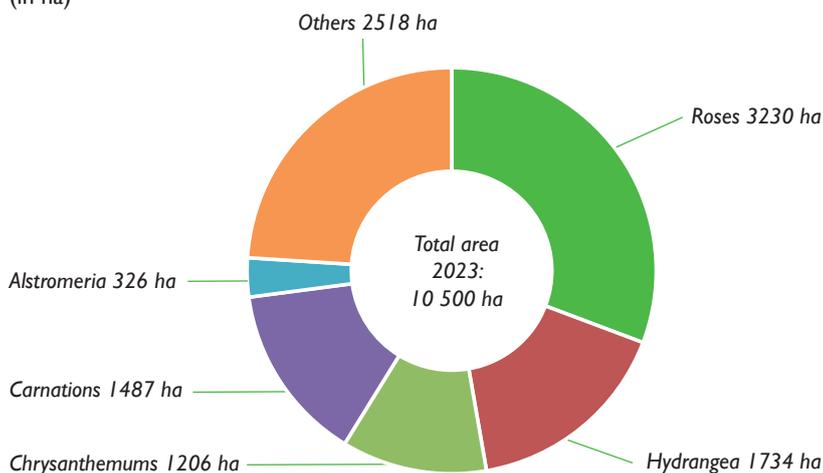
Area in hectares

	2023	2022	2018	2017	2016	2015	2012
Roses	3 230	3 099	2 569	2 610	2 348	2 624	2 465
Hydrangea	1 734	1 643	1 573	1 479	1 155	972	639
Carnations	1 487	1 436	888	909	933	1 066	1 269
Chrysanthemums	1 206	1 164	919	889	883	859	716
Alstromeria	326	393	375	389	358	332	306
Ruscus	289	.	165	144	142	161	127
Cocculus	201	.	99	92	.	.	.
Lily	121	.	64	63	.	.	.
Gypsophila	70	.	69	57	50	50	58
Solidago	101	.	51	55	49	50	.
Aster	25	.	48	47	41	50	55
Eucalyptus	183	.	.	46	49	66	53
Gerbera	3	.	48	46	.	.	48
Leucadendron	.	.	.	.	32	63	71
Others	.	799	705	705	755	822	791
Total	10 500	10 000	7 665	7 532	6 796	7 161	6 598

Source: Asocolflores, Carolina Pantoja, ICA 2024

Colombia: Production of cut flowers 2023

(in ha)

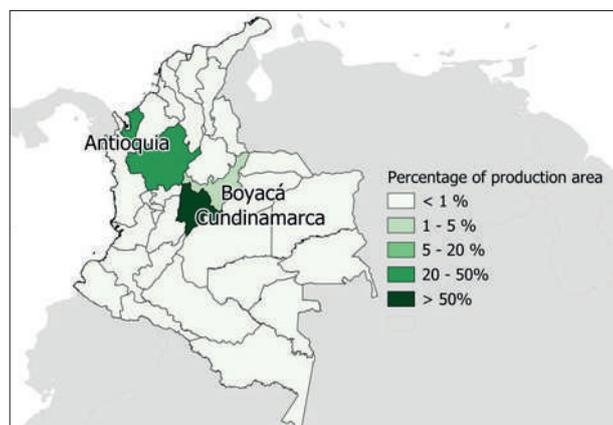


Source: Asocolflores, ICA, 2024

Distribution of production area in 2023

Production of cut flowers and cut foliage

Total: 10 500 ha (2023)



Source: Ascolflores, ICA, 2024

Flower and plants	Production area	
	In ha	In %
Total	10 500	100
Cundinamarca	7 408	71
Antioquia	2 904	28
Caldas	25	<1
Boyacá	108	1
Valle de Cauca	39	<1
Risaralda	10	<1
Norte de Santander	3	<1

COLOMBIA – External trade ornamental horticultural products

Exports – Flowers and plants, value in 1 000 EUR

	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
Cut flowers and flower buds (HS-Code 0603)	1 923 457	1 960 721	1 460 060	1 235 985	1 317 400	1 234 716	1 238 914	1 185 712	1 167 555	1 034 439	1 004 896
Foliage, branches and other parts of plants (HS-Code 0604)	22 897	19 513	16 287	11 051	12 027	10 495	9 613	9 625	7 687	6 078	4 875
Live plants (including their roots) (HS-Code 0602)	9 457	9 683	8 106	7 000	6 561	6 191	5 902	5 080	4 195	2 851	2 659
Bulbs, tubers, corms, etc. (HS-Code 0601)	1	0	0	18	2	1	0	0		1	38
Total	1 955 812	1 989 917	1 484 453	1 254 054	1 335 990	1 251 403	1 254 429	1 200 417	1 179 439	1 043 368	1 012 467

Source: ITC Trade map, 2024

Exports – Flowers and plants, quantity in tons

	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
Cut flowers and flower buds (HS-Code 0603)	306 623	316 974	295 801	247 646	258 473	257 377	246 118	234 938	222 356	222 566	211 979
Foliage, branches and other parts of plants (HS-Code 0604)	4 359	3 474	3 570	2 474	2 570	2 254	2 060	1 679	1 423	1 234	1 106
Live plants (including their roots) (HS-Code 0602)	514	471	368	285	246	231	225	169	170	114	191
Bulbs, tubers, corms, etc. (HS-Code 0601)	0	0	0	2	1	0	0	0	0	2	3
Total	311 496	320 919	299 739	250 407	261 290	259 862	248 403	236 786	223 949	223 916	213 279

Source: ITC Trade map, 2024

Imports – Flowers and plants, value in 1 000 EUR

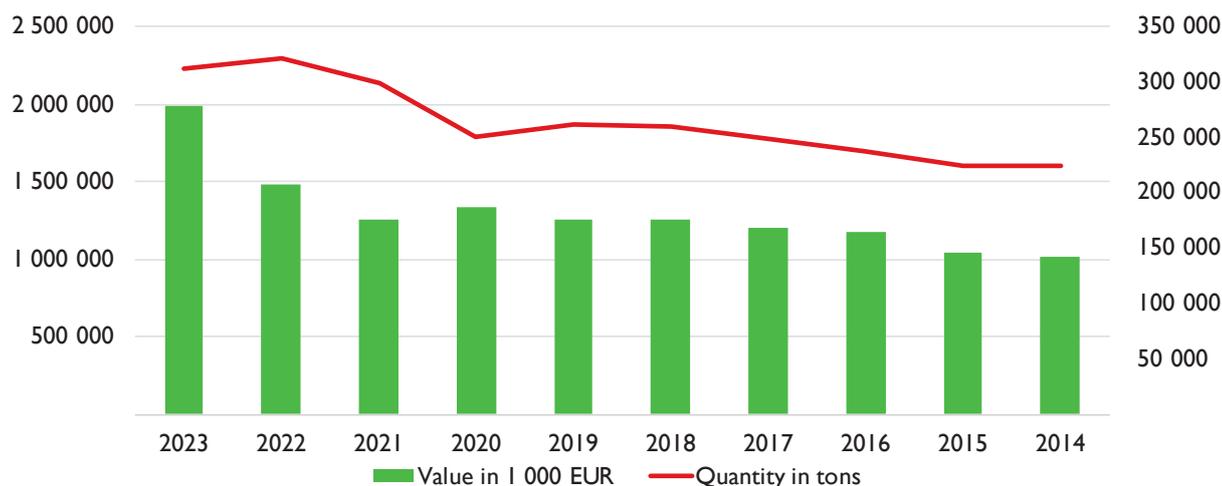
	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
Bulbs, tubers, corms, etc. (HS-Code 0601)	34 618	28 272	22 298	16 694	15 235	14 282	13 098	11 385	9 329	9 705	8 928
Cut flowers and flower buds (HS-Code 0603)	17 080	20 570	15 102	5 917	4 978	5 049	5 702	6 277	4 675	3 008	3 681
Live plants (including their roots) (HS-Code 0602)	13 260	14 410	12 943	10 602	10 314	11 603	12 327	10 612	10 165	8 317	8 025
Foliage, branches and other parts of plants (HS-Code 0604)	387	1 684	1 325	268	121	230	77	116	661	466	182
Total	65 345	64 936	51 668	33 481	30 648	31 164	31 204	28 390	24 830	21 496	20 816

Source: ITC Trade map, 2024

AREA AND PRODUCTION

Country pages

Colombia: Export of cut flowers



Source: ITC Trade map, 2024

Exports – Cut flowers, fresh, value in 1 000 EUR

Partner country	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
USA	1 533 951	1 568 856	1 137 503	988 128	1 031 053	967 870	970 025	928 046	898 909	783 544	763 999
Canada	59 692	62 585	48 869	32 980	33 195	33 739	34 347	35 293	36 306	27 892	26 621
Netherlands	50 601	49 197	47 784	31 769	34 035	29 387	25 189	23 766	24 330	22 465	20 595
Japan	44 564	51 763	43 669	42 528	46 896	45 191	49 223	43 911	43 886	40 245	39 186
United Kingdom	59 452	57 584	42 209	33 538	40 562	34 829	39 676	44 487	48 746	40 279	37 222
Spain	35 111	35 872	26 110	19 970	24 403	21 469	19 635	18 344	18 001	14 738	14 687
Russian Federation	8 234	15 021	20 293	16 959	22 510	20 454	24 673	24 989	33 655	50 525	56 582
Poland	20 496	21 201	18 288	11 836	13 118	10 792	8 100	7 020	5 388	4 450	3 056
Chile	12 711	14 058	10 564	6 893	11 476	11 306	9 875	8 134	6 405	5 520	4 338
Korea, Republic of	14 483	12 174	7 194	5 599	5 184	3 867	3 866	2 602	2 667	1 743	1 585
Australia	6 145	6 114	6 045	5 072	5 704	5 503	6 203	5 056	5 238	4 820	4 528
Italy	6 213	6 247	5 736	3 591	4 168	3 403	3 225	3 156	2 445	1 352	1 174
Czech Republic	5 972	5 448	4 047	3 321	3 851	3 163	3 849	3 587	2 313	2 248	1 767
United Arab Emirates	7 278	5 356	3 986	1 588	2 317	1 971	1 001	1 281	1 433	1 079	839
Panama	5 309	4 477	3 708	2 860	3 539	5 843	5 924	6 264	4 373	3 048	3 186
Israel	3 711	3 950	3 323	2 331	1 672	815	396	212	325	492	395
France	3 176	3 875	3 186	2 441	2 690	2 548	2 667	2 430	2 745	2 889	2 621
Ukraine	2 439	2 439	2 389	2 033	1 785	2 407	2 612	2 050	2 235	3 798	3 541
Others	43 919	34 504	25 160	22 550	29 247	30 157	28 427	25 083	27 635	22 727	18 854
Total	1 923 457	1 960 721	1 460 060	1 235 985	1 317 400	1 234 716	1 238 914	1 185 712	1 167 032	1 033 853	1 004 775

Source: ITC Trade map, 2024

Exports – Cut flowers, fresh, value in 1 000 EUR

	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
Roses	347 363	375 221	310 496	281 937	295 034	282 636	273 885	274 925	284 234	279 537	274 939
Carnations	263 417	262 691	216 344	179 003	210 723	191 481	199 165	191 724	191 889	170 108	173 156
Chrysanthemums	168 813	167 981	138 254	111 045	133 482	129 276	135 294	132 253	132 511	113 093	110 987
Alstroemeria	.	.	68 109	61 466	70 446	68 731	69 522	70 508	69 880	57 788	55 357
Hortensia	.	.	65 411	47 265	64 183	63 519	66 166	65 679	17 213	.	.
Lilies	21 110	19 429	12 555	9 105	8 607	9 023	7 880	6 169	1 294	.	41
Aster	.	.	7 025	5 511	6 427	6 959	7 540	8 200	7 994	7 193	7 122
Gerbera	.	.	3 804	4 470	5 151	4 291	4 126	3 722	4 580	4 944	4 326
Gypsophila	.	.	3 671	3 662	3 894	3 528	3 663	3 294	1 965	1 641	1 662
Orchids	14	44	33	11	17	23	32	29	36	48	35
Other cut flowers, fresh	286 592	267 023	615 326	517 665	506 465	463 207	461 576	419 483	446 338	390 163	369 041
Other cut flowers, treated	17 715	21 484	19 031	14 845	12 970	12 042	10 065	9 726	9 341	9 135	8 160
Total	1 105 024	1 113 873	1 460 060	1 235 985	1 317 400	1 234 716	1 238 914	1 185 712	1 167 555	1 034 438	1 004 896

Source: ITC Trade map, 2024

Exports – Roses, fresh, value in 1 000 EUR

Partner country	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
USA	272 387	292 641	241 219	225 228	225 850	211 746	202 849	206 855	208 992	193 603	190 125
Canada	10 682	12 458	9 968	7 874	9 381	9 937	9 286	10 206	10 126	8 100	7 159
United Kingdom	10 110	11 034	7 943	4 973	5 738	6 269	6 447	7 068	7 962	7 582	6 579
Spain	12 137	11 034	7 916	5 363	7 230	6 828	6 708	6 399	6 682	5 718	5 845
Netherlands	7 341	8 645	7 878	6 609	7 575	7 791	6 203	5 280	5 620	6 098	6 149
Russian Federation	1 998	5 010	7 011	7 887	10 828	10 917	14 258	14 903	20 855	34 190	38 645
Poland	5 047	5 517	4 378	3 246	2 625	1 892	911	695	165	155	120
Italy	1 983	2 492	2 293	1 651	1 660	1 401	1 484	1 624	1 111	460	490
Romania	1 776	2 353	2 195	1 177	1 396	1 065	826	545	452	325	212
Korea, Republic of	2 811	2 452	1 616	1 022	652	378	253	280	193	79	62
Israel	1 635	2 024	1 598	1 121	590	316	82	2	13	178	142
Czech Republic	1 903	2 058	1 530	1 267	1 496	1 388	1 376	1 166	1 052	1 020	652
Kazakhstan	4 058	3 004	1 517	1 293	1 594	1 355	1 137	596	626	287	294
Australia	1 080	1 167	1 467	1 482	1 994	2 254	2 637	2 352	2 735	2 815	2 801
Panama	2 044	1 785	1 424	1 199	1 524	2 027	2 169	2 739	1 945	1 415	1 132
United Arab Emirates	522	1 306	1 350	595	854	709	169	276	293	335	251
Ukraine	654	1 061	1 260	979	893	1 389	1 646	1 162	1 246	2 650	2 557
Others	9 195	9 180	7 927	8 977	13 157	14 981	15 443	12 778	14 161	14 531	11 728
Total	347 363	375 221	310 496	281 937	295 034	282 636	273 885	274 925	284 234	279 537	274 939

Source: ITC Trade map, 2024

COSTA RICA

Flowers and plants

Area in hectares

	2018	2017	2016
Plants, cut flowers and foliage	3 600	3 600	3 600

Source: Boletín Estadístico Agropecuario Nr.29, Secretaría Ejecutiva de Planificación Sectorial Agropecuaria

DENMARK

Economic indicators 2023

Population:	5.9 millions
Surface area:	42 900 km ²
Population density:	146 people per km ²
Gross national income ¹ :	436 in billion \$
- per capita:	73 360 in \$
Purchasing power parity:	472 in billion \$
(gross national income)	
- per capita:	79 390 per capita in \$
Gross domestic product:	1.9 % growth
Gross domestic product:	1.1 per capita % growth

¹ Atlas method

Source: Worldbank, 2024, World Development Indicators

Production value at basic price

Values at current prices (In million EUR)

Year	Flowers and plants	Nursery stocks	Ornamental plants and flowers ¹
2023e	506		
2022p	477	120	354
2021	478	123	357
2020	440	106	351
2019	439	79	355
2018	466	99	362
2017	461	90	361
2016	449	73	368
2015	438	82	352
2014	432	54	374
2013	473	59	410
2012	488	67	417
2011	511	73	435

¹ incl. Christmas trees e: estimated p: provisional

Source: Eurostat

Flowers and plants

Area in hectares

	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
Total under protection	174	223	227	227	247	257	264	264	300	228	265
Cut flowers and cut foliage	1	1	1	1	1	1	2	1	6	2	5
Pot plants	139	174	188	186	198	204	196	202	228	182	222
Flowering pot plants	98	133	149	151	169	174	168	177	193	155	186
Foliage pot plants	40	41	39	35	29	30	28	27	35	27	36
Bedding plants etc.	20	31	21	25	34	37	41	44	48	44	38
Nursery products	14	17	17	15	14	15	25	15	18	.	.
In the open											
Bulbs and flowers	208	215	197	71	74	55	51	28	39	31	46
Total	382	438	424	298	321	312	315	292	339	259	311

Source: Statistics Denmark, Statbank Business sectors/Agriculture, horticulture and forestry/Crops/ Crops in green house by unit, region, crop and time (VHUS), Crops by area, unit, crop and time

Number of farms

	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
Under protection, total	276	316	291	307	372	383	403	435	526	386	471
Cut flowers and cut foliage	17	19	12	13	11	10	11	15	21	38	56
Pot plants	101	115	132	137	155	166	172	177	204	190	219
Flowering pot plants	77	93	106	106	126	135	137	146	167	150	175
Foliage pot plants	54	59	62	62	61	64	65	67	79	77	95
Bedding plants etc.	111	131	94	100	117	118	128	133	176	158	196
Nursery products	46	51	53	57	57	56	62	74	83	.	.
In the open											
Bulbs and flowers	51	52	54	43	51	45	41	34	42	31	42
Total	327	368	345	350	423	428	444	469	568	417	513

Source: Statistics Denmark, Statbank Business sectors/Agriculture, horticulture and forestry/Cropland/ Cultures in greenhouse by unit and cultures, Cultivated area by crop, unit, region and time

Nursery stock, christmas trees an decorative greenery

Area in hectares

	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
Nursery stock	2 194	1 866	1 713	1 899	1 656	1 974	1 977	2 009	2 270	1 061	1 199
Area under protection			17	15	14	15	26	15	18	17	17
Christmas trees and decorative greenery	21 962	24 298	20 398	22 319	19 216	23 693	21 603	20 908	22 101	23 461	18 928

Source: Statistics Denmark; StatBank Denmark, Business sectors/Agriculture, horticulture and forestry/Cropland/ Cultivated Area by region, unit and crop

Number of farms

	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
Nursery stock	161	156	139	154	148	159	184	154	199	105	118
With area under protection	46	51	53	57	57	56	62	74	83	97	106
Christmas trees and decorative greenery	2 486	2 426	2 534	2 624	2 749	3 335	3 176	3 333	3 454	3 499	3 336

Source: Statistics Denmark; StatBank Denmark, Business sectors/Agriculture, horticulture and forestry/Cropland/ Cultivated Area by region, unit and crop

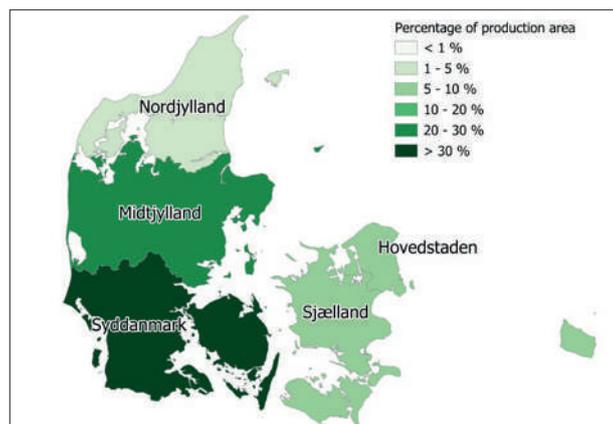
AREA AND PRODUCTION

Country pages

Distribution of production area in 2023

Production of nursery stock

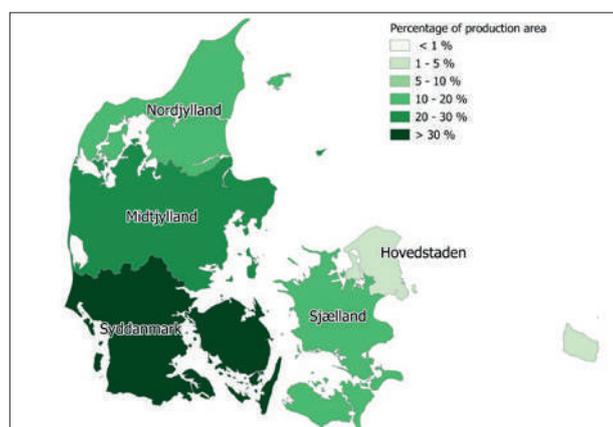
Total: 2 194 ha



Nursery stock	Production area	
	In ha	In %
Total	2 194	100
Syddanmark	1 247	57
Midtjylland	599	27
Hovedstaden	157	7
Sjælland	125	6
Nordjylland	67	3

Production of christmas trees and decorative greenery

Total: 24 298 ha



Christmas trees	Production area	
	In ha	In %
Total	24 298	100
Syddanmark	8 172	34
Midtjylland	7 060	29
Nordjylland	3 428	14
Sjælland	2 696	11
Hovedstaden	607	2

Source: Statistics Denmark, Statbank, Business sectors/Agriculture/Crops/Cultivated area by region, unit and crop



AREA AND PRODUCTION

Country pages

Denmark – External trade ornamental horticultural products

Exports from Denmark in 2023 by value in 1 000 EUR				
Live plants (with roots) and cuttings (without roots)	265 632	Live plants (excl. Fruit trees and bushes)	256 106	Flowering Plants (indoor) (92 000) / Green/foilage plants (indoor) (65 671) / Cuttings with roots and young plants (indoor) (28 991)
		Cuttings and slips (without roots)	8 243	other cuttings and slips (8 243)
Cut foliage, branches, mosses and lichens etc., fresh or treated	135 336	Cut foliage, branches, mosses and lichens etc., fresh (incl. Christmas trees)	131 670	Christmas trees (123 345) / Cut foliage, branches etc., fresh (6 175) / Mosses and lichens, fresh (2 126)
		Cut foliage, branches, mosses and lichens, dried or treated	3 666	Cut Foliage, branches etc., only dried (3 054) / Reindeer moss, treated (612)
Bulbs, tubers, etc.	18 811	Bulbs, tubers, etc., flowering or in growth	18 721	Orchids, hyacinth etc. in growth and flower (11 144) / Bulbs etc. in growth or flower (7 577)
		Bulbs, tubers, etc., dormant	90	other bulbs etc., dormant (73) / Tulip, dormant (15) / Hyacinths, dormant (3)
Cutflowers	7 202	Cutflowers, fresh	5 735	Cutflowers, fresh, different species (5 565) / Roses, fresh cut (115) / Chrysanthemums, fresh cut (21)
		Cutflowers, treated	1 467	Cutflowers, treated (1 467)
Total	426 981			

Imports to Denmark in 2023 by value in 1 000 EUR				
Live plants (with roots) and cuttings (without roots)	200 275	Live plants (excl. Fruit trees and bushes)	185 995	other ornamental plants (outdoor) (40 901) / Flowering Plants (indoor) (38 926) / Trees, shrubs and bushes (outdoor) (31 537)
		Cuttings and slips (without roots)	10 321	other cuttings and slips (10 321)
Cutflowers	112 445	Cutflowers, fresh	85 051	Cutflowers, fresh, different species (58 897) / Roses, fresh cut (16 090) / Chrysanthemums, fresh cut (4 251)
		Cutflowers, treated	27 394	Cutflowers, treated (27 394)
Bulbs, tubers, etc.	22 020	Bulbs, tubers, etc., flowering or in growth	11 933	Orchids, hyacinth etc. in growth and flower (9 787) / Bulbs etc. in growth or flower (2 146)
		Bulbs, tubers, etc., dormant	10 087	other bulbs etc., dormant (4 039) / Tulip, dormant (3 363) / Hyacinths, dormant (1 299)
Cut foliage, branches, mosses and lichens etc., fresh or treated	12 079	Cut foliage, branches, mosses and lichens etc., fresh (incl. Christmas trees)	8 281	Christmas trees (4 282) / Cut foliage, branches etc., fresh (3 668) / Mosses and lichens, fresh (330)
		Cut foliage, branches, mosses and lichens, dried or treated	3 798	Cut Foliage, branches etc., only dried (3 395) / Reindeer moss, treated (402)
Total	346 819			

Top Ten Countries Exporting to Denmark in 2023 by value in 1 000 EUR				
Netherlands	246 433	Other fresh cut flowers (56 939) / Flowering pot plants (28 119) / Treated cut flowers (26 037)		
Germany	42 941	Other live plants (9 689) / Cuttings and young plants (8 471) / Ornamental nursery stocks (6 438)		
Italy	12 806	Other live plants (3 226) / Flowering pot plants (2 887) / Ornamental nursery stocks (2 865)		
Poland	10 145	Cuttings and young plants (3 823) / Christmas trees (2 196) / Other live plants (1 351)		
Belgium	7 848	Ornamental nursery stocks (2 376) / Other live plants (1 146) / Cuttings and young plants (1 064)		
Spain	6 377	Other live plants (2 896) / Ornamental nursery stocks (1 093) / Flowering pot plants (653)		
Portugal	5 439	Cuttings and young plants (4 845) / Flowering pot plants (361) / Cuttings and young plants (118)		
Turkey	4 206	Flowering pot plants (2 144) / Other fresh cut flowers (1 156) / Cuttings and young plants (685)		
France	2 065	Cuttings and young plants (1 169) / Other live plants (364) / Christmas trees (307)		
Sweden	1 376	Other live plants (775) / Christmas trees (160) / Cuttings and young plants (84)		
others	7 183			
Total	346 819	Imports by Denmark		

Top Ten Countries Importing from Denmark in 2023 by value in 1 000 EUR				
Germany	116 415	Christmas trees (45 229) / Flowering pot plants (30 459) / Foliage plants (15 352)		
Sweden	78 778	Flowering pot plants (24 121) / Foliage plants (14 191) / Other live plants (9 476)		
Netherlands	71 386	Christmas trees (17 685) / Flowering pot plants (13 306) / Foliage plants (8 293)		
Norway	30 840	Other live plants (5 130) / Flowering pot plants (4 700) / Ornamental nursery stocks (3 941)		
Poland	22 288	Christmas trees (8 435) / Foliage plants (5 167) / Flowering pot plants (4 132)		
France	20 963	Christmas trees (10 974) / Foliage plants (3 932) / Flowering pot plants (2 791)		
United Kingdom	16 612	Christmas trees (10 461) / Foliage plants (3 229) / Ornamental nursery stocks (2 508)		
Finland	12 706	Flowering pot plants (4 223) / Cuttings and young plants (2 406) / Foliage plants (2 303)		
Switzerland	10 648	Christmas trees (4 752) / Flowering pot plants (2 113) / Foliage plants (1 466)		
Belgium	8 287	Christmas trees (2 282) / Fruit trees and shrubs (1 265) / Ornamental nursery stocks (1 161)		
others	38 056			
Total	426 981	Exports by Denmark		

Source: Eurostat, provisional data for 2023

ECUADOR

Economic indicators 2023

Population:	18.2 millions
Surface area:	256 400 km ²
Population density:	72 people per km ²
Gross national income ¹ :	118 in billion \$
- per capita:	6 510 in \$
Purchasing power parity: (Gross national income)	282 in billion \$
- per capita:	15 510 per capita in \$
Gross domestic product:	2.4 % growth
Gross domestic product:	1.3 per capita % growth

¹ Atlas method

Source: Worldbank, 2024, World Development Indicators

Cut flowers

Area in hectares¹

	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	
Under protection	7 276	6 783	6 579	4 282	7 925	6 133	7 704	6 609	6 161	5 395	6 222	Bajo invernadero
Roses	5 842	5 661	6 032	3 812	5 587	4 911	5 639	5 486	5 163	4 639	5 297	Rosa
Carnations	97	105	86	82	144	140	118	123	110	141	620	Clavel
Delphinium	712	32	55	33	189	18	54	8	6	.	.	Delphinium
Chrysanthemums	70	55	53	35	56	46	54	52	59	42	.	Crisantemos
Aster	.	16	42	24	288	5	6	6	28	.	.	Aster
Gypsophila	15	16	20	15	48	18	65	69	84	61	15	Gypsophila
Limonium	6	14	15	8	87	8	14	1	8	12	.	Limonium
Helianthus	77	.	14	6	.	.	162	27	5	7	.	Girasoles
Hypericum	7	7	8	13	9	.	1	.	14	7	.	Hypericum
Other annual flowers	292	826	192	180	1 424	609	924	475	263	267	253	otras flores transitorias
Other perennial flowers	159	51	63	74	73	350	563	352	419	209	34	otras flores permanentes
In the open	2 188	1 071	885	935	1 391	1 376	2 282	1 845	1 563	1 334	3 106	Campo abierto
Gypsophila	147	218	177	161	285	258	901	368	545	540	1 217	Gypsophila
Helianthus	135	173	95	58	21	66	322	52	25	42	11	Girasoles
Hypericum	852	65	88	433	795	389	98	130	340	118	26	Hypericum
Delphinium	145	43	49	.	13	17	13	44	37	3	1	Delphinium
Liatris	2	16	24	2	.	.	11	.	9	.	.	Lyatris
Roses	160	50	20	.	197	55	11	11	233	10	176	Rosa
Aster	64	53	11	6	1	24	34	23	.	47	18	Aster
Ginger	.	.	10	.	.	10	1	.	8	10	.	Ginger
Limonium	4	8	10	.	.	3	3	4	3	.	.	Limonium
Heliconia	.	.	7	.	.	15	5	.	13	20	.	Heliconias
Chrysanthemums	.	10	5	2	.	.	.	.	.	.	.	Crisantemos
Carnations	3	.	2	.	.	.	1	.	.	.	.	Clavel
Other annual flowers	484	175	287	117	11	433	764	1 118	234	319	1 474	otras flores transitorias
Other perennial flowers	196	261	101	156	68	87	118	79	96	133	155	otras flores permanentes
Total	9 464	7 854	7 464	5 217	9 316	7 509	9 986	8 454	7 724	6 729	9 328	totales

¹ planted surface (plantada o sembrada)

Source: Instituto Nacional de Estadística y Censos (INEC) ESPAC – Resumen 2023, Tabulados

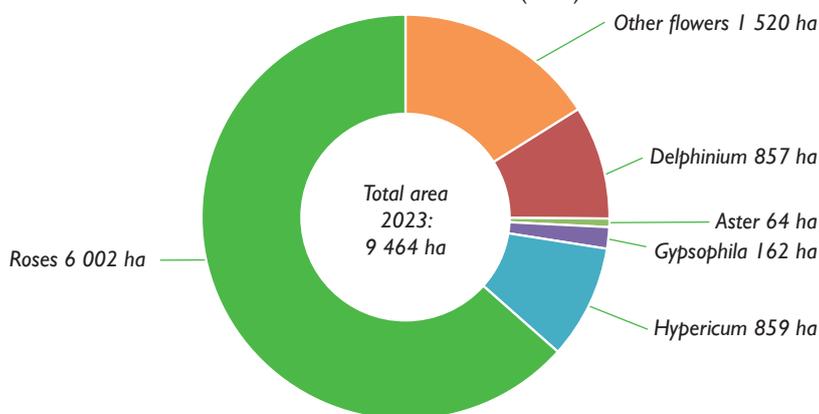
Cut flowers

Production in million pieces

	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014
Under protection	4 286	2 861	3 968	3 220	4 267	4 428	4 915	4 561	4 503	3 478
Roses	3 614	2 544	3 633	2 558	3 242	3 115	3 477	3 800	3 771	2 557
Carnations	56	71	142	282	123	154	140	190	142	186
Gypsophila	19	12	48	22	58	26	102	79	99	68
Chrysanthemums	91	22	29	18	28	23	92	11	35	20
Aster	.	6	10	2	141	3	3	2	11	3
Hypericum	6	10	10	7	7	0	2	0	12	4
Limonium	3	3	6	27	161	6	10	0	7	4
Delphinium	164	9	6	14	186	2	9	3	0	0
Helianthus	4	.	3	0	0	1	42	9	2	2
Others	329	184	81	290	321	1 098	1 039	468	424	634
In the open	1 086	535	448	579	974	628	1 944	1 033	1 416	1 322
Gypsophila	144	214	236	193	285	273	1 079	498	956	269
Hypericum	236	46	72	360	542	176	48	103	171	53
Helianthus	29	142	24	4	6	22	481	17	6	3
Roses	26	4	15	0	104	5	7	5	133	6
Heliconia	.	.	9	0	0	0	0	0	0	1
Ginger	.	.	6	0	0	0	0	0	1	1
Limonium	3	8	5	.	.	7	3	2	2	3
Aster	61	21	5	1	2	3	34	22	0	23
Delphinium	40	8	3	.	10	1	4	7	23	5
Liatris	1	9	3	2	.	13	7	14	8	5
Chrysanthemums	.	10	2	2	.	.	.	.	.	.
Carnations	7	.	1	.	.	.	1	.	.	.
Others	539	73	68	16	26	129	280	366	118	953
Total	5 372	3 396	4 416	3 799	5 241	5 056	6 859	5 595	5 919	4 800

Source: Instituto Nacional de Estadística y Censos (INEC) ESPAC – Resumen 2023, Tabulados

Ecuador: Production of cut flowers 2023 – (in ha)



Source: INEC (ESPAC), 2024

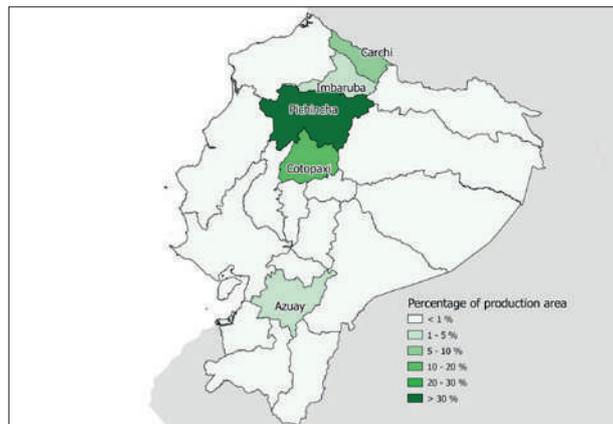
AREA AND PRODUCTION

Country pages

Distribution of production area in 2013

Production of cut flowers

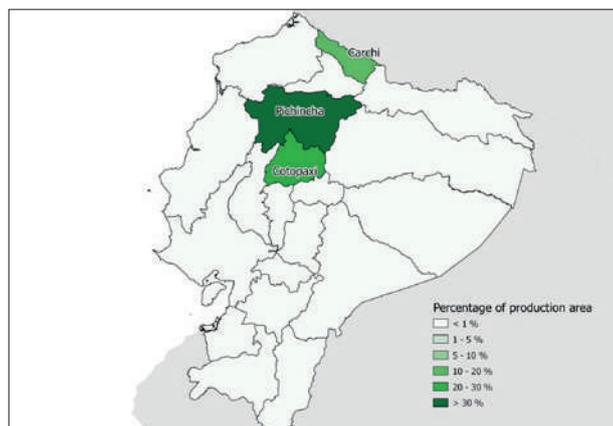
Total: 9 328 ha



Cut flowers	Production area	
	In ha	In %
Total	9 328	100
Pichincha	6 956	75
Cotopaxi	1 325	14
Carchi	831	9
Imbaruba	94	1
Azuay	65	1
others	57	1

Production of roses (cut flowers) in 2013

Total: 5 573 ha



Cut flowers Rosa	Production area	
	In ha	In %
Total	5 473	100
Pichincha	3 324	61
Cotopaxi	1 256	23
Carchi	831	15
Imbaruba	40	1
Canar	22	0

Source: Instituto Nacional de Estadística y Censos (INEC) ESPAC – 2013 Bases de Datos



AREA AND PRODUCTION

Country pages

ECUADOR – External trade ornamental horticultural products

Export – Cut flowers, value in 1 000 EUR

Partner country	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
USA	316 937	381 323	338 067	275 836	355 895	293 778	316 347	346 331	325 113	265 471	255 095
Russian Federation	701	33 080	84 089	99 837	114 535	132 650	134 666	103 229	110 536	157 658	141 941
Netherlands	96 459	99 177	72 787	72 271	67 571	68 772	60 658	58 014	63 827	63 196	47 392
Belarus	207	10 513	31 903	6 302	3 462	1 938	1 598	2 226	3 363	1 973	1 776
Italy	35 774	39 406	27 894	23 289	28 774	29 802	28 262	27 622	25 988	24 587	19 249
Canada	33 086	36 413	22 583	29 877	19 306	17 535	18 772	18 006	23 356	20 418	22 812
Spain	33 246	32 454	22 366	20 029	23 762	23 936	21 378	17 882	19 242	14 756	11 982
Kazakhstan	119 583	98 660	17 678	14 369	17 854	14 577	13 069	10 714	9 472	6 935	8 547
Ukraine	10 218	12 639	16 544	22 905	19 032	9 739	9 049	10 990	12 132	13 909	21 623
Colombia	12 686	12 177	9 633	3 577	3 846	2 944	4 601	3 129	2 969	2 170	2 436
Chile	17 741	23 760	9 308	6 901	10 947	13 143	12 403	12 225	13 227	44 318	18 191
Japan	9 543	10 316	8 599	9 403	10 321	11 535	11 803	10 987	12 083	8 869	5 295
Germany	9 962	11 353	8 178	8 895	7 975	8 192	8 428	9 630	12 787	11 148	9 875
Australia	8 913	10 406	7 926	6 044	6 255	6 449	6 269	4 137	3 293	2 140	3 641
France	9 981	9 810	7 819	7 348	7 740	7 448	6 626	6 282	8 332	5 790	5 899
Kuwait	6 060	6 723	7 236	10 862	4 898	3 964	3 294	4 147	4 603	1 471	1 590
Qatar	14 629	11 355	7 183	11 753	5 452	2 843	2 189	4 763	5 284	1 915	2 308
Switzerland	7 623	7 466	6 907	7 198	8 040	7 744	8 151	8 233	7 667	7 245	6 762
Czech Republic	8 193	8 020	6 062	5 838	5 648	4 162	3 404	3 519	4 042	1 856	425
United Kingdom	7 122	8 009	5 214	3 619	4 284	3 462	3 181	3 437	4 914	2 960	2 950
Poland	9 874	6 369	4 539	3 514	2 920	2 280	1 755	1 186	1 318	467	294
Portugal	7 512	7 201	4 063	2 788	4 616	3 589	3 353	3 628	3 417	2 472	2 290
Dominican Republic	7 239	6 071	3 941	2 355	2 984	1 594	1 451	3 166	2 599	946	1 114
China	3 375	3 014	3 856	6 618	11 054	12 681	11 290	6 537	3 536	1 306	460
Paraguay	2 163	1 344	3 722	1 334	1 799	1 163	1 115	1 050	1 231	657	535
Romania	8 613	6 548	3 453	2 819	2 908	2 972	2 187	2 960	2 540	595	682
Lithuania	3 034	2 839	3 270	6 538	1 415	1 016	891	3 722	3 883	2 163	3 993
Trinidad and Tobago	2 169	1 176	2 951	5 643	404	339	241	255	664	150	223
Others	110 063	74 744	36 067	46 924	32 175	23 876	29 849	37 067	47 268	23 264	30 983
Total	912 706	972 366	783 839	724 694	785 871	714 131	726 282	725 074	738 687	690 799	630 361

Source: ITC Trade Map, 2024

Exports – Cut flowers, value in 1000 EUR

	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
Roses	678 118	715 389	548 681	518 013	579 715	512 695	529 142	542 652	544 560	524 821	459 595
Others cut flowers, fresh	188 956	202 033	182 945	164 941	164 765	159 517	159 683	148 623	153 751	137 609	134 278
Cut flowers, treated	19 695	24 324	25 053	16 605	19 193	19 648	15 045	13 459	15 361	11 841	14 473
Carnations	21 034	23 854	16 637	14 589	15 821	16 051	15 555	13 501	15 485	12 919	14 012
Chrysanthemums	4 733	6 483	9 560	8 971	4 575	4 391	4 922	4 454	7 969	3 391	7 828
Lilies	92	46	866	1 487	1 767	1 816	1 932	2 352	1 481	215	135
Orchids	78	236	98	89	34	12	4	13	80	3	39
Total	912 706	972 366	783 839	724 694	785 871	714 131	726 282	725 074	738 687	690 799	630 361

Source: ITC Trade Map, 2024

Exports – Cut flowers, quantity in tons

	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
Roses	144 623	137 704	124 646	116 379	122 816	118 168	113 855	109 855	111 425	120 268	117 484
Others cut flowers, fresh	30 692	32 952	36 360	30 763	29 731	30 264	28 473	27 486	27 879	32 694	31 074
Carnations	3 721	4 373	4 022	3 669	3 760	4 265	3 928	3 562	4 209	9 803	4807
Chrysanthemums	1 057	1 289	1 624	1 295	1 116	1 115	1 153	1 058	988	1 386	927
Cut flowers, treated	770	556	946	474	609	579	354	728	994	937	2 141
Lilies	38	23	189	322	366	412	411	493	330	102	87
Orchids	5	12	8	6	2	1					4
Total	180 906	176 911	167 795	152 908	158 400	154 804	148 174	143 183	145 825	165 190	156 524

Source: ITC Trade Map, 2024

ETHIOPIA

Cut flowers

Area in hectares

	2016/17	2015/16	2010/11	2009/10	2008/09
Total	1 695	1 426	1 240	1 306	1 376

Cuttings

Area in hectares

	2013
Total	127

Source: Ethiopian Horticulture Producer Exporters Association (EHPEA)

Exports – Flowers and plants, value in 1 000 EUR

	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
Cut flowers and flower buds (HS-Code 0603)	213 703	219 257	215 156	166 648	178 642	168 743	174 046	172 559	175 441	131 257	124 326
Live plants (including their roots) (HS-Code 0602)	28 495	24 531	30 047	23 228	23 587	23 426	22 402	22 751	20 507	18 226	16 906
Foliage, branches and other parts of plants (HS-Code 0604)	14	9	91	.	1	0	0	0	1	1	.
Bulbs, tubers, corms, etc. (HS-Code 0601)	8	0	0	.	2	0	0	.	.	0	0
Total	242 220	243 797	245 294	189 876	202 232	192 169	196 448	195 310	195 949	149 484	141 232

Source: ITC Trade Map, 2024

Exports – Cut flowers and plants, value in 1 000 EUR

	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
Cut flowers and flower buds (HS-Code 0603)	213 703	219 257	215 156	166 648	178 642	168 743	174 046	172 559	175 441	131 257	124 326
Roses	184 617	189 431	187 884	146 217	154 881	145 629	153 415	153 000	157 431	120 188	114 456
Carnations	0	0	0	0	0	0	0	0	5	0	
Other fresh cut flowers	29 085	29 823	27 272	20 431	23 761	23 114	20 630	19 559	18 005	11 069	9 870
Live plants (including their roots) (HS-Code 0602)	28 495	24 531	30 047	23 228	23 587	23 426	22 402	22 751	20 507	18 226	16 906
Cuttings and slips, unrooted	28 360	24 234	29 655	22 908	23 346	23 151	22 042	22 557	20 394	18 128	16 848
Total	242 198	243 796	245 294	189 876	202 231	192 170	196 449	195 311	195 949	149 484	141 231

Source: ITC Trade Map, 2024

Exports – Cut flowers, value in 1 000 EUR

Partner country	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
Netherlands	161 791	165 484	158 509	135 791	137 941	134 310	141 547	141 380	149 816	114 868	109 893
Saudi Arabia	17 197	18 391	17 823	10 956	12 570	9 939	7 868	7 307	8 519	5 464	4 209
United Kingdom	14 074	13 587	7 399	5 303	8 100	6 627	6 843	6 609	1 934	415	498
Seychelles	117	98	6 690	51	13	14	8	7	1		
Norway	3 842	4 529	4 635	4 051	4 191	3 515	3 859	5 172	4 434	3 088	3 249
Japan	3 459	3 350	3 628	2 471	3 565	3 412	3 292	2 544	1 904	884	1 011
United Arab Emirates	2 654	2 603	3 344	2 142	2 820	2 934	2 945	3 311	2 776	2 086	1 472
Qatar	432	620	3 188	282	417	271	162	108	12	44	45
Others	10 137	10 595	9 943	5 611	9 027	7 719	7 523	6 120	6 049	4 411	3 956
Total	213 703	219 257	215 156	166 648	178 642	168 743	174 046	172 559	175 441	131 257	124 326

Source: ITC Trade Map, 2024

Exports – Cuttings and slips, unrooted, value in 1 000 EUR

Partner country	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
Netherlands	17 878	16 577	20 074	16 077	14 493	12 954	10 874	9 346	7 732	6 657	6 527
Germany	5 123	2 281	1 757	1 095	1 558	2 246	2 872	3 612	3 779	4 050	4 126
Belgium	468	503	1 581	1 397	1 633	1 698	2 149	2 736	2 418	2 355	1 942
Canada	891	1 493	1 358	543	718	856	866	966	956	743	644
USA	308	253	1 085	1 551	2 153	2 434	2 392	2 982	3 145	2 325	1 662
Spain	1 065	1 007	1 079	441	637	562	529	525	208	28	56
Italy	1 390	1 070	1 047	768	813	778	825	761	734	765	655
Others	1 237	1 050	1 675	1 037	1 340	1 623	1 536	1 629	1 423	1 208	1 241
Total	28 360	24 234	29 655	22 908	23 346	23 151	22 042	22 557	20 394	18 128	16 848

Source: ITC Trade Map, 2024

FINLAND

Flower and foliage plants

Area under protection in hectares, production in 1 000 pieces

	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
Area in hectares											
Cut flowers and cut foliage	6.3	3.7	7	8.3	5.7	4.6	.	4.9	3.9	4.4	6.9
Production in 1 000 pieces											
Flower bulbs	69 725	85 137	78 164	81 842	86 823	76 753	79 106	86 147	74 323	64 261	64 186
Tulips	59 868	73 923	69 545	72 730	73 547	70 592	73 052	80 828	68 695	59 189	59 219
Hyacinths (pot plants)	2 536	2 708	2 493	2 999	2 463	2 505	2 613	2 393	2 220	2 404	2 394
Narcissus (cutflower)	315	335	340	308	407	219	163	349	583	538	669
Amaryllis	1 114	1 195	1 198	1 135	1 566	1 018	1 208	993	1 131	1 048	919
Lilies										272	92
Others	1 735	2 306	1 572	325	721	2 420	2 070	1 584	1 694	810	893
Flowering potted plants	5 687	5 791	6 303	6 240	6 223	9 721	10 477	9 405	9 215	10 534	10 695
Narcissus (pot plant)	4 139	4 670	3 015	4 345	8 118	3 448	3 873	3 366	3 548	3 653	3 209
Poinsettias	1 269	1 518	1 451	1 431	1 497	1 558	1 656	1 950	1 889	1 840	1 906
Begonias	1 146	1 357	1 270	1 263	1 317	1 278	1 225	1 401	1 300	1 353	1 619
Chrysanthemums	966	1 039	1 261	1 158	1 035	1 069	1 128	742	763	884	873
Saintpaulia	330	326	367	408	422	438	569	423	408	622	587
Primula	174	170	171	209	228	308	317	275	281	321	303
Cyclamen	237	225	280	257	296	278	329	366	312	288	409
Potted roses	28	37	65	92	100	81	121	129	151	83	188
Gerbera								5	4	34	108
Azaleas	133	180	183	170	186	175	187	189	180	207	209
Kalanchoe	494	411	487	475	421	567	522	147	184	204	
Motherday roses ¹										182	127
Other flowering pot plants	889	503	745	753	701	601	669	540	346	862	988
Foliage plants	615	669	634	464	321	243	324	312	347	299	357
Bedding plants	30 586	36 132	35 623	40 982	39 567	33 705	35 998	37 944	36 557	38 853	39 449
Pansies	7 097	9 198	9 431	8 675	9 954	9 141	10 029	10 487	9 800	10 707	10 929
Pelargonium	3 835	4 417	4 341	5 461	4 143	3 971	3 965	4 063	4 194	4 315	4 578
Petunia	2 876	3 300	3 461	4 056	3 833	3 914	3 991	4 318	4 479	4 728	4 808
Marigold (Tagetes)	2 503	2 800	2 885	3 958	2 798	2 644	3 000	2 850	2 672	3 015	3 261
Lobelia	1 296	1 683	1 672	2 542	1 736	1 846	2 026	2 028	2 009	2 339	2 472
Silver ragwort	832	1 011	1 060	1 899	1 156	1 155	1 277	1 301	1 396	1 449	
Impatiens species	849	956	918	1 800	998	1 235	1 147	1 165	1 168	1 147	
Other bedding plants	5 364	12 700	11 855	12 591	13 074	8 053	8 599	9 642	8 978	9 205	13 401
Plants used in hanging flower pots	2 119	2 668	2 357	2 206	2 125	2 035	2 307	2 225	2 172	2 239	.

Source: LUKE, Horticultural Statistics, 2024

¹ From 2015 included in potted roses



Flowers and plants

Number of enterprises

	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
In greenhouses											
Ornamental plants	376	405	419	434	459	467	499	526	529	557	588
Cut flowers and cut foliage	43	41	46	43	50	53	.	53	47	57	70
Flower bulbs	66	72	75	85	87	85	88	99	112	128	.
Pot plants	187	196	186	203	198	193	221	243	245	284	.
Bedding plants	349	373	380	407	415	391	440	488	480	514	.
Hanging pots	335	359	364	391	402	367	411	453	451	478	.
In the open											
Cut flowers and greens in the open	61	51	37	26	10	62	73	85	74	80	81
Nursery production	61	72	70	88	82	93	106	104	111	115	114

Source: LUKE, Horticultural Statistics, 2024

Ornamental plants in greenhouses

Area in hectares, number of enterprises

	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
Area in hectares	106	114	114	115	117	120	121	121	123	127	128
Number of enterprises	376	405	419	434	453	467	499	526	529	557	588

Source: Luke, Horticultural Statistics, 2022

Nursery stock and cut flowers, in the open

Area in hectares

	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
Fruit and berry plants	36	41	57	49	36	53	52	64	68	64	66
Ornamental bushes	48	57	77	72	97	92	74	72	84	98	112
Ornamental trees	208	180	184	203	189	187	192	241	216	206	198
Perennials	8	9	10	10	9	8	11	17	14	14	15
Total nursery stock	299	288	328	334	331	341	352	380	384	382	392
Number of Enterprises	61	72	70	88	82	93	106	104	111	115	114
Cut flowers and greens in the open	41	26	39	24	28	34	93	90	91	32	26
Number of Enterprises	61	50	37	26	10	62	73	85	74	80	81

Source: Luke, Horticultural Statistics, 2024

FRANCE

Economic indicators 2023

Population:	68.2 millions
Surface area:	549 100 km ²
Population density:	124 people per km ²
Gross national income ¹ :	3 073 in billion \$
- per capita:	45 070 in \$
Purchasing power parity:	4 235 in billion \$
(gross national income)	
- per capita:	62 130 per capita in \$
Gross domestic product:	0.7 % growth
Gross domestic product:	0.4 per capita % growth

¹ Atlas method

Source: Worldbank, 2024, World Development Indicators

Production value at basic price

Value at current prices (In million EUR)

Year	Flowers and plants	Nursery stocks	Flowers and ornamental plants ¹
2023e	3 191		
2022p	3 089	1 224	1 046
2021	2 937	1 189	952
2020	2 842	1 209	932
2019	2 859	1 204	955
2018	2 895	1 197	941
2017	2 805	1 176	921
2016	2 796	1 174	1 576
2015	2 901	1 183	1 675
2014	2 852	1 173	965
2013	2 470	912	997
2012	2 556	891	981
2011	2 441	869	954

¹ incl. Christmas Trees e: estimated p: provisional

Source: Eurostat

Flowers and ornamental plants

Area in hectares

	2023	2022	2021	2020	2019	2018	2017	2015	2014	2013
Cut flowers and foliage	1 894	1 682	1 889	1 903	2 546	2 548	2 566	2 706	2 616	2 901
Pot plants	1 054	998	952	1 050	2 106	2 101	2 193	2 238	2 235	2 215
Flower bulbs	688	681	682	693	1 112	1 111	1 131	1 129	1 092	1 115
Bedding plants and perennials	1 259	1 205	1 144	1 242	1 745	1 748	1 779	1 797	1 808	1 889
Cuttings and young plants	278	172	234	234	1 292	1 291	1 302	1 300	1 291	984
Total	5 173	4 738	4 901	5 122	8 801	8 799	8 971	9 170	9 092	9 159

¹ provisional

Source: Agreste, Statistique Agricole Annuelle 2023

Flowers and plants

Area in hectares

	2021	2019	2017	2015	2013	2005
In the open	13 593	14 532	12 638	12 915	12 814	15 920
Container	2 244	2 288	2 064	2 038	2 049	2 799
Under protection (tunnels etc.)	505	488	466	486	542	750
In glasshouses	1 033	1 074	1 105	1 172	1 226	1 675
Total	17 375	18 382	16 273	16 661	16 631	21 144

Source: FranceAgriMer 2023, Observatoire des données structurelles des entreprises de l'horticulture et de la pépinière ornementales, Données 2021

Flowers and plants 2021

Area and number of enterprises by region

By region	Number of enterprises	Area In the open	Area Under protection	Total
Grand Est	199	621	135	756
Bourgogne Franche Comte	144	1 244	137	1 381
Auvergne Rhone Alpes	421	3 116	383	3 499
PACA ¹	379	413	334	747
Occitanie	269	524	219	743
Nouvelle Aquitaine	365	1 552	461	2 013
Pays de la Loire	243	1 870	1 156	3 026
Bretagne	165	1 407	382	1 789
Centre val de Loire	163	863	263	1 126
Ile de France	94	527	110	637
Normandie	163	523	114	637
Hauts de France	155	934	89	1 023

¹ Provence-Alpes-Cote d'Azur

Source: FranceAgriMer 2023, Observatoire des données structurelles des entreprises de l'horticulture et de la pépinière ornementales, Données 2021

Flowers and plants 2020

Area and number of enterprises by region

By region	Number of enterprises	Area In the open	Area Under protection	Total
Nouvelle Aquitaine	376	1 555	166	1 721
Occitanie	276	778	97	875
PACA ¹	431	649	210	860

¹ Provence-Alpes-Cote d'Azur

Source: FranceAgriMer, 2022: Les filières de l'horticulture et de la pépinière en France

Flowers and plants 2019

Area and number of enterprises by region

By region	Number of enterprises	Area In the open	Area Under protection	Total
Grand Est	205	576	82	658
Bourgogne Franche Comte	134	614	55	669
Nouvelle Aquitaine	394	1 724	159	1 883
Occitanie	300	690	99	789
Auvergne Rhone Alpes	432	3 155	162	3 317
PACA ¹	458	636	206	842

¹ Provence-Alpes-Cote d'Azur

Source: FranceAgriMer, 2020: Les filières de l'horticulture et de la pépinière en France

Flowers and plants 2018

Area and number of enterprises by region

By region	Number of enterprises	Area In the open	In glasshouses	Under protection (tunnels)	In containers	Total
Hauts de France	163	825	15	43	39	922
Normandie	165	441	17	35	54	547
Bretagne	207	408	39	90	224	761
Pays de la Loire	266	1 795	104	246	839	2 984
Centre Val de Loire	160	655	51	48	136	890
Ile de France	120	578	13	50	79	720

Source: FranceAgriMer, 2018: Observatoire des données structurelles des entreprises de production de l'horticulture et de la pépinière ornementales



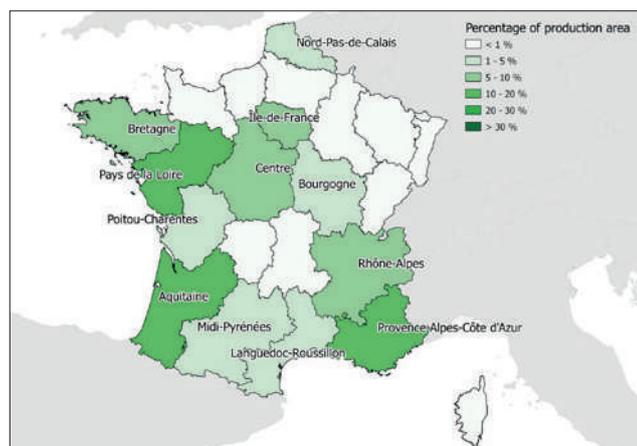
AREA AND PRODUCTION

Country pages

Distribution of production area in 2010

Production of flowers and ornamental plants

Total: 9 816 ha

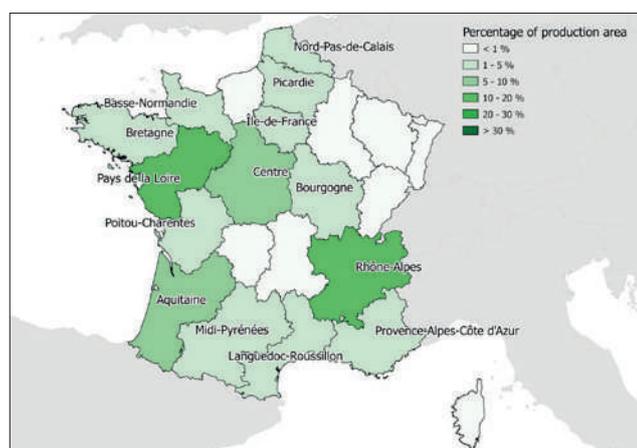


l incl. oversea regions

Flower and ornamental plants	Production area	
	In ha	In %
Total	9 816	100
Aquitaine	1 633	17
Bourgogne	158	2
Bretagne	796	8
Centre	564	6
Ile-de-France	558	6
Languedoc-Roussillon	401	4
Midi-Pyrenees	327	3
Nord-Pas-de-Calais	348	4
Pays de la Loire	1 069	11
Poitou-Charentes	172	2
Provence-Alpes-Côte d'Azur	1 500	15
Rhone-Alpes	728	7
Other regions ¹	1 562	16

Production of ornamental nursery stock, fruit and forest trees

Total: 11 724 ha



l incl. oversea regions

Source: Recensement agricole 2010

Ornamental nursery stock, fruit and forest trees	Production area	
	In ha	In %
Total	11 724	100
Aquitaine	1 060	9
Basse-Normandie	313	3
Bourgogne	391	3
Bretagne	395	3
Centre	877	7
Ile-de-France	536	5
Languedoc-Roussillon	261	2
Midi-Pyrenees	318	3
Nord-Pas-de-Calais	512	4
Pays de la Loire	2 193	19
Picardie	319	3
Poitou-Charentes	379	3
Provence-Alpes-Côte d'Azur	365	3
Rhone-Alpes	1 927	16
Other regions ¹	1 878	16

Production of ornamental nursery stock, fruit and forest trees

Flowers and plants 2021

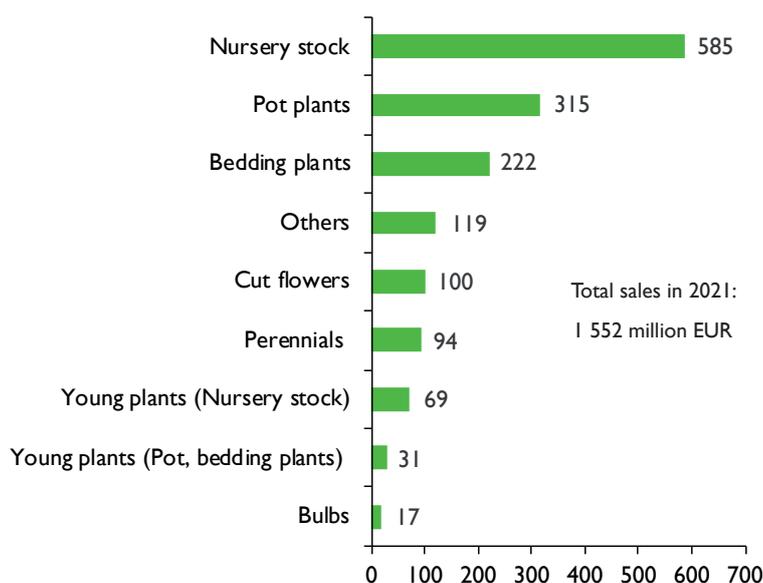
Number of enterprises, sales volume in million Euros

	2021	2019	2017	2015	2013	2011	2005
Number of enterprises	2 760	2 936	3 308	3 678	4 154	4 504	6 144
Sales volume							
Production and retail market	1 617	1 419	1 417	1 436	1 585	1 644	1 797
Production only	1 377	1 178	1 238	1 255	1 319	1 452	1 595

Source: FranceAgriMer 2023, Observatoire des données structurelles des entreprises de l'horticulture et de la pépinière ornementales, Données 2021

Value of sales by plant category 2021

In million EUR



Source: FranceAgriMer, 2023

Value of sales by plant category

In million EUR

	2021	2019	2017	2015	2013	2011	2005
Pot plants	315	279	290	294	333	373	410
Bedding plants	222	236	239	254	283	284	347
Young plants (pot plants)	14	17	21	22	17	20	36
Young plants (bedding plants)	17	11	14	14	17	24	34
Nursery stock	585	491	482	485	536	553	554
Young plants (nursery stock)	69	68	53	50	56	56	66
Perennials	94	93	83	80	80	70	69
Cut flowers	100	85	87	98	131	142	203
Bulbs	17	21	21	22	21	24	22
Others	119	118	126	119	110	98	57
Total	1 552	1 419	1 417	1 436	1 585	1 644	1 797

Source: FranceAgriMer 2023, Observatoire des données structurelles des entreprises de l'horticulture et de la pépinière ornementales, Données 2021

Value of sales by region 2021

In 1 000 EUR

By region		in %
Pays de la Loire	391 422	24
Auvergne Rhone Alpes	220 985	14
Nouvelle Aquitaine	166 894	10
PACA ¹	130 696	8
Occitanie	107 575	7
Bretagne	118 033	7
Centre Val de Loire	89 386	6
Hauts de France	84 767	5
Grand Est	114 675	7
Ile de France	61 116	4
Normandie	62 549	4
Bourgogne Franche Comte	68 761	4
Total	1 616 859	100

¹ Provence-Alpes-Cote d'Azur

Source: FranceAgriMer 2023, Observatoire des données structurelles des entreprises de l'horticulture et de la pépinière ornementales, Données 2021

Value of sales by region 2019

In 1 000 EUR

By region		in %
Pays de la Loire	341 953	24
Auvergne Rhone Alpes	191 165	13
Nouvelle Aquitaine	162 302	11
PACA I	124 876	9
Occitanie	100 981	7
Bretagne	94 650	7
Centre Val de Loire	77 177	5
Hauts de France	81 491	6
Grand Est	84 180	6
Ile de France	54 579	4
Normandie	51 556	4
Bourgogne Franche Comte	54 043	4
Total	1 418 953	100

¹ Provence-Alpes-Cote d'Azur

Source: FranceAgriMer, 2019-2020: Les filières de l'horticulture et de la pépinière en France

AREA AND PRODUCTION

Country pages

France – External trade ornamental horticultural products

Exports from France in 2023 by value in 1 000 EUR				
Live plants (with roots) and cuttings (without roots)	87 568	Live plants (excl. Fruit trees and bushes)	64 965	other ornamental plants (outdoor) (27 583) / Cuttings with roots and young plants (outdoor) (17 699) / Trees, shrubs and bushes (outdoor) (7 808)
		Cuttings and slips (without roots)	18 199	other cuttings and slips (18 199)
Cutflowers	24 198	Cutflowers, fresh	19 627	Cutflowers, fresh, different species (16 326) / Gladioli, fresh cut (1 441) / Roses, fresh cut (946)
		Cutflowers, treated	4 571	Cutflowers, treated (4 571)
Cut foliage, branches, mosses and lichens etc., fresh or treated	11 984	Cut foliage, branches, mosses and lichens etc., fresh (incl. Christmas trees)	7 515	Cut foliage, branches etc., fresh (4 994) / Christmas trees (2 475) / Mosses and lichens, fresh (46)
		Cut foliage, branches, mosses and lichens, dried or treated	4 469	Cut Foliage, branches etc., only dried (3 215) / Reindeer moss, treated (1 254)
Bulbs, tubers, etc.	8 178	Bulbs, tubers, etc., dormant	6 981	other bulbs etc., dormant (4 277) / Hyacinths, dormant (1 466) / Tulip, dormant (1 183)
		Bulbs, tubers, etc., flowering or in growth	1 196	Orchids, hyacinth etc. in growth and flower (785) / Bulbs etc. in growth or flower (411)
Total	131 927			

Imports to France in 2023 by value in 1 000 EUR				
Live plants (with roots) and cuttings (without roots)	671 180	Live plants (excl. Fruit trees and bushes)	623 654	other ornamental plants (outdoor) (183 247) / Flowering Plants (indoor) (142 332) / Green/foilage plants (indoor) (138 655)
		Fruit trees, shrubs and bushes	28 559	Fruit trees, shrubs and bushes (28 559)
Cutflowers	355 295	Cutflowers, fresh	301 439	Cutflowers, fresh, different species (137 396) / Roses, fresh cut (120 365) / Chrysanthemums, fresh cut (13 880)
		Cutflowers, treated	53 856	Cutflowers, treated (53 856)
Bulbs, tubers, etc.	114 453	Bulbs, tubers, etc., flowering or in growth	86 390	Orchids, hyacinth etc. in growth and flower (69 254) / Bulbs etc. in growth or flower (17 135)
		Bulbs, tubers, etc., dormant	28 064	other bulbs etc., dormant (15 014) / Tulip, dormant (7 198) / Hyacinths, dormant (2 584)
Cut foliage, branches, mosses and lichens etc., fresh or treated	61 447	Cut foliage, branches, mosses and lichens etc., fresh (incl. Christmas trees)	42 755	Cut foliage, branches etc., fresh (27 521) / Christmas trees (14 638) / Mosses and lichens, fresh (337)
		Cut foliage, branches, mosses and lichens, dried or treated	18 692	Cut Foliage, branches etc., only dried (14 953) / Reindeer moss, treated (3 739)
Total	1 202 375			

Top Ten Countries Exporting to France in 2023 by value in 1 000 EUR			
Netherlands	739 416	Other fresh cut flowers (126 365) / Roses (112 992) / Foliage plants (95 996)	
Belgium	143 639	Other live plants (39 329) / Foliage plants (23 854) / Flowering pot plants (21 862)	
Italy	118 774	Ornamental nursery stocks (43 414) / Other live plants (19 849) / Flowering pot plants (9 409)	
Spain	86 586	Other live plants (31 150) / Flowering pot plants (13 466) / Ornamental nursery stocks (11 554)	
Germany	59 025	Other live plants (28 938) / Flowering pot plants (5 250) / Cuttings and young plants (5 133)	
Denmark	18 348	Christmas trees (8 667) / Foliage plants (3 325) / Flowering pot plants (3 126)	
Kenya	5 514	Roses (2 779) / Cuttings and young plants (1 961) / Other fresh cut flowers (442)	
China	4 156	Treated cut flowers (2 303) / Treated foliage (1 231) / Flowering pot plants (294)	
Portugal	3 266	Other live plants (1 108) / Flowering pot plants (996) / Cuttings and young plants (712)	
Poland	2 577	Rose plants (617) / Flower bulbs (614) / Cuttings and young plants (443)	
others	21 073		
Total	1 202 375	Imports by France	

Top Ten Countries Exporting to France in 2023 by value in 1 000 EUR			
Netherlands	29 899	Other fresh cut flowers (9 833) / Foliage, fresh (3 982) / Other live plants (3 578)	
Italy	18 596	Fruit trees and shrubs (6 117) / Cuttings and young plants (3 165) / Other fresh cut flowers (2 279)	
United Kingdom	13 378	Other live plants (7 752) / Ornamental nursery stocks (2 217) / Cuttings and young plants (1 289)	
Spain	11 799	Cuttings and young plants (4 772) / Fruit trees and shrubs (3 045) / Other live plants (1 533)	
Switzerland	10 542	Ornamental nursery stocks (2 193) / Other live plants (2 171) / Foliage plants (1 347)	
Germany	9 151	Other live plants (2 948) / Cuttings and young plants (1 456) / Other fresh cut flowers (916)	
Belgium	5 917	Cuttings and young plants (1 307) / Other fresh cut flowers (965) / Other live plants (888)	
Kyrgyzstan	5 582	Foliage plants (1 199) / Ornamental nursery stocks (1 161) / Christmas trees (1 063)	
Algeria	4 705	Other live plants (4 134) / Fruit trees and shrubs (271) / Fruit trees and shrubs (214)	
Uzbekistan	1 935	Flower bulbs (879) / Ornamental nursery stocks (299) / Flower bulbs (247)	
others	20 424		
Total	131 927	Exports by France	

Source: Eurostat, provisional data for 2023

GERMANY

Economic indicators 2023

Population:	84.5 millions
Surface area:	357 600 km ²
Population density:	238 people per km ²
Gross national income ¹ :	4559 in billion \$
- per capita:	53970 in \$
Purchasing power parity: (gross national income)	6092.4 in billion \$
- per capita:	72110 per capita in \$
Gross domestic product:	-0.3 % growth
Gross domestic product:	-1.1 per capita % growth

¹ Atlas method

Source: Worldbank, 2024, World Development Indicators

Production value at producer price

Value at current prices (in million EUR)

Year	Flowers and plants	Nursery stock	Flowers and ornamental plants ¹
2023e	2 728		
2022p	3 098	1 460	1 189
2021	2 610	1088	1 102
2020	3 143	1308	1 326
2019	2 681	918	1 391
2018	2 348	763	1 179
2017	2 585	835	1 273
2016	2 318	829	1 133
2015	2 247	781	1 112
2014	2 309	829	1 143
2013	2 462	855	1 310
2012	2 312	951	1 361
2011	2 523	766	1 757

¹ incl. Christmas trees e: estimated p: provisional

Source: Eurostat

Flowers and ornamental plants

Area in hectares¹

	2021	2017	2012	2008	2004	2000	
Total area	6 263	6 588	6 741	7 167	7 640	7 056	Grundfläche
In the open	4 610	4 885	4 893	4 911	5 116	4 373	Freiland
Under glass/protection	1 653	1 703	1 848	2 257	2 524	2 683	Unter Glas*
Heated area under glass/protection	864	970	1 281	1 203	.	.	Beheizte Fläche unter Glas
Area finished plants, total	5 599	5 908	6 139	.	.	.	Produktion von Fertigware
Ornamental plants, bedding plants, perennials	2 999	2 985	3 150	.	.	.	Zimmerpflanzen, Beet- und Balkonpflanzen, Stauden und Wasserpflanzen
Cut flowers, cut foliage and ornamental pumpkins	2 600	2 923	2 989	.	.	.	Schnittblumen, Schnittgrün und Zierkürbisse
In the open	4 113	4 374	4 472	.	.	.	Im Freiland
Ornamental plants, bedding plants, perennials	1 787	1 669	1 772	.	.	.	Zimmerpflanzen, Beet- und Balkonpflanzen, Stauden und Wasserpflanzen
Cut flowers and ornamental pumpkins	2 326	2 705	2 700	.	.	.	Schnittblumen, Schnittgrün und Zierkürbisse
Under glass/protection	1 486	1 533	1 667	.	.	.	Unter Glas*
Ornamental plants, bedding plants, perennials	1 212	1 316	1 378	.	.	.	Zimmerpflanzen, Beet- und Balkonpflanzen, Stauden und Wasserpflanzen
Cut flowers and ornamental pumpkins	274	217	289	.	.	.	Schnittblumen, Schnittgrün und Zierkürbisse
Propagation area, total	664	680	603	495	684	.	Vermehrungsflächen
Flower bulbs, tubers, seeds	352	287	270	229	174	.	Blumenzwiebeln, Knollen, Samen
Young plants, half-finished plants	313	393	333	266	510	.	Jungpflanzen, Halffertigware
In the open	497	511	421	306	412	.	Freiland
Flower bulbs, tubers, seeds	339	277	254	210	148	.	Blumenzwiebeln, Knollen, Samen
Young plants, half-finished plants	159	234	167	96	264	.	Jungpflanzen, Stecklinge
Under glass/protection	167	169	182	189	273	.	Unter Glas
Flower bulbs, tubers, seeds	13	10	16	19	26	.	Blumenzwiebeln, Knollen, Samen
Young plants, half-finished plants	154	159	166	170	246	.	Jungpflanzen, Halffertigware

¹ Area without multiple cropping (surface area) from enterprises with more than 0,3 ha in the open and/or 0,1 ha under glass/protection

* unter hohen begehbaren Schutzabdeckungen einschl. Gewächshäusern (under high walkable protective covers, including greenhouses)

Source: Statistisches Bundesamt, Zierpflanzenerhebung 2021

AREA AND PRODUCTION

Country pages

Number of enterprises 2021

	With production of		
	Total	Ornamental plants etc.	Cut flowers
Baden-Württemberg	577	364	364
Bavaria	467	350	257
Berlin and Bremen	13	13	1
Brandenburg	58	45	22
Hamburg	174	89	117
Hessen	151	101	74
Mecklenburg-Vorpommern	24	19	17
Lower Saxony	324	249	120
Northrhine-Westphalia	811	634	266
Rhineland-Palatinate	110	73	53
Saarland	12	10	1
Saxony	174	158	88
Saxony-Anhalt	39	36	12
Schleswig-Holstein	121	88	47
Thuringa	68	62	32
Total	3 123	2 291	1 471

Source: Statistische Bundesamt, Zierpflanzenerhebung 2021

Cut flowers

Area in hectares¹

	2021	2017	2012	2008	2004	2000	
In the open	2 626	2 824	2 722	2 799	2 462	2 614	Im Freiland
Summer flowers, perennials for cuttings ²	786	587	856	1 090	756	1 018	Sommerblumen/Schnittstauden
Roses	151	224	230	312	263	189	Rosen
Chrysanthemums	10	36	37	69	61	78	Chrysanthemen
Other cut flowers ³	524	1 194	955	790	.	.	sonstige Schnittblumen
Shrubs for cutting	413	783	644	731	432	485	Gehölze zum Grün-, Blüten- und Fruchtschnitt
Ornamental plants (pick your own) ⁵	470	.	.	.	.	.	Zierpflanzen zum Selberschneiden
Under protection	189	283	386	368	.	.	In Gewächshäusern
Roses	83	99	124	142	175	.	Rosen
Summer flowers, perennials for cuttings	25	66	45	62	56	.	Sommerblumen/Schnittstauden
Chrysanthemums	15	32	32	59	64	.	Chrysanthemen
Gerbera	9	11	14	22	26	.	Gerbera
Tulips	10	18			24	.	Tulpen
Other cut flowers ⁴	46	57	172	114	83	.	sonstige Schnittblumen
Total	2 815	3 107	3 108	3 167	.	.	

1 Multiple cropping possible (cultivated area), including cut foliage

2 In the open e.g. peonies, under protection e.g. lilies

3 Gladioli, narcissi, tulips, sunflowers, ornamental pumpkins

4 Freesia, cut foliage, hippeastrum, orchids

5 E.g. gladioli, sunflowers

Source: Statistisches Bundesamt, Zierpflanzenerhebung 2021

Number of enterprises

	2021
In the open	1 265
Summer flowers, perennials for cuttings	661
Roses	135
Chrysanthemums	140
Other cut flowers	472
Shrubs for cutting	283
Ornamental plants (pick your own)	294
Under protection	684
Roses	194
Summer flowers, perennials for cuttings	240
Chrysanthemums	280
Gerbera	50
Tulips	208
Other cut flowers	300
Total	1 465

AREA AND PRODUCTION

Country pages

Pot plants

Area in hectares¹

	2021	2017	2012	2008	2004	2000	
In the open	1 787²	1 669²	1 772²	1 804²	2 319		Im Freiland
Bedding plants					1 701	543	Beet- und Balkonpflanzen
Calluna vulgaris					636		Besenheide
Erica gracilis					351		Glockenheide
Other flowering pot plants					283	1 020	Aufstellflächen Topfpflanzen
Perennials, water plants					336		Stauden, Gräser; Wasserpflanzen
Under protection	1 212²	1 316²	1 378²	1 699²	3 004²		In Gewächshäusern
Bedding plants					1 943	2 418	Beet- und Balkonpflanzen
Flowering pot plants					992		Blühende Topfpflanzen
Foliage plants					64		Grün- und Blattpflanzen
Cactus					4		Kakteen
Total	2 999	2 985	3 150	3 503	5 323		

¹ Area without multiple cropping, exclusive propagation area, Data before 2008 incl. multiple cropping during the census year.

Comparability of data between different years is limited.

² including perennials and water plants

Source: Statistisches Bundesamt, Zierpflanzenerhebung 2021

Number of enterprises

	2021
Pot plants (indoor)	1 232
Finished plants	1 209
Young plants	143
Bedding plants, perennials plants	2 253
Finished plants	2 199
Young plants	332
Total	3 485

Nursery stock

Area in hectares

	2021	2017	2012	2008	2004	2000	
Ornamentals shrubs and trees¹	7 235	7 975	11 532	12 146	11 310	12 341	Ziersträucher und Bäume
Alley trees, park trees, solitaires	2 931	3 423	3 428	3 773	.	.	Allee-, Parkbäume, Solitärs
Conifers	1 189	1 316	.	.	.	.	Nadelgehölze/Koniferen
Rhododendron and the like	498	492	656	635	.	.	Rhododendren, Moorbeetpflanzen
Topiaries	342	451	.	.	.	.	Formgehölze
Ground covering plants	192	183	280	354	.	.	Bodendecker
Hedge plants	2 080	2 047	.	.	.	.	Heckenpflanzen
Conifers	1 103	1 133	.	.	.	.	Nadelgehölze
Deciduous trees	977	914	.	.	.	.	Laubgehölze
Rose stock	84	121	197	210	245	.	Rosenunterlagen
Roses, grafted	179	202	274	289	325	.	Rosenveredlungen
Forest plants	2 023	1 829	2 180	2 258	2 519	3 349	Forstpflanzen
Deciduous trees	1 002	988	1 138	1 351	.	.	Laubgehölze
Conifers	1 021	840	1 042	907	.	.	Nadelgehölze
Conifers for production of christmas trees	313	684	724	1 203	2 537	.	Nadelgehölze zur Anzucht von Weihnachtsbäumen
Fruit bushes and trees	859	974	873	955	1 049	1 359	Obstgehölze
Other area	3 980	3 814	5 972	5 537	7 535	7 642	Sonstige Baumschulflächen
Nursery area, total	17 160	18 613	21 753	22 597	25 520	24 690	Baumschulfläche insgesamt

¹ In 2017 hedge plants are not included anymore.

Source: Statistisches Bundesamt, Zierpflanzenerhebung 2021

Nurseries

Number of enterprises

	2021
Ornamentals shrubs and trees¹	1 528
Alley trees, park trees, solitaires	686
Conifers	658
Rhododendron and the like	356
Topiaries	352
Ground covering plants	395
Hedge plants	842
Conifers	707
Deciduous trees	693
Rose stock	96
Roses, grafted	264
Forest plants	250
Deciduous trees	196
Conifers	178
Conifers for production of christmas trees	185
Fruit bushes and trees	668
Other area	875
Total	1 536

Source: Statistisches Bundesamt,

Baumschulerhebung 2021

Mode of production

Area in hectares

	2021	2017	2012	2008	2004	2000	
In the open	15 275	16 095	19 777	20 716	.	.	Freiland
Container area	1 568	1 550	1 977	1 881	.	.	Containerfläche, Schutzabdeckungen
Area under protection	317	969	.	.	.	.	Flächen unter Glas/Folie
Nursery area, total	17 160	18 613	21 753	22 597	25 520	24 690	Baumschulfläche insgesamt

Source: Statistisches Bundesamt, Baumschulerhebungen 2021

Production of bedding plants, flowering pot plants and foliage plants

In million pieces³

	2021 ³		2017 ³		2012 ³		2008 ³		
	1	2	1	2	1	2	1	2	
Bedding plants and perennials	812	622	985	738	1 188	393	1 165	373	Beet- und Balkonpflanzen, Stauden
Viola	127	103	183	123	285	21	265	30	Viola x wittrockiana
Primula	48	42	59	50	95	32	97	24	Primula
Calluna	99	96	116	99	101	91	96	70	Calluna
Begonia	43	50	64	58	88	22	87	24	Begonia semperflorens
Pelargonium	67	50	67	58	88	76	96	98	Pelargonien
Petunia	35	28	50	50	43	28	41	15	Petunien
Impatiens	17	7	21	13	22	13	39	14	Impatiens Neu G. + wall.
Erica gracilis ⁴	21	9	22	15	15	9	21	10	Erica gracilis
Agyranthemum frutescens	8	4	6	4	7	1	12	2	Agyranthemum frutescens
Erica x darleyensis, carnea	.	.	.	.	7	11	10	12	Erica x darleyensis, carnea
Perennials ⁵	157	70	141	67	157	31	109	17	Stauden (Freiland)
Other bedding plants ⁶	165	158	218	195	282	60	295	57	Sonstige Beet- und Balkonpflanzen (Fuchsia, Lobelia, Combi-Pots etc.)
Flowering pot plants	109	165	94	128	142	185	180	86	Blühende Topfpflanzen
Chrysanthemums	26	5	40	7	20	9	30	8	Topfchrysanthemen
Poinsettias	20	20	17	20	20	34	26	43	Poinsettien (Weihnachtsstern)
Bulb flowers	11	0	18	2	21	9	24	4	Zwiebelblumen
Cyclamen	11	.	13	8	22	3	22	3	Cyclamen
Begonias	4	1	5	1	6	5	9	3	Lorr- u. Elatior-Begonien
Azaleas	2	0	4	1	6	1	8	3	Azaleen
Hydrangeas	6	14	5	13	5	14	7	12	Hortensien
Kalanchoe	3	.	5	.	3	.	5	.	Kalanchoe
Orchids	1	116	3	76	3	102	3	7	Orchideen
Other flowering pot plants ⁷	24	4	14	.	18	4	28	2	Sonstige blühende Topfpflanzen
Foliage plants and cacti	17	4	11	2	18	6	19	1	Grünpflanzen und Kakteen

1 Finished products

2 Half finished products and young plants

3 Comparability of data between different years is limited

4 With x darleyensis, carnea etc.

5 Flowering perennials, young perennials, hardy perennials

6 Fuchsia, Lobelia, Combi-Pots etc.

7 Saintpaulia, Roses, etc.

Source: Statistisches Bundesamt, Zierpflanzenerhebung 2021



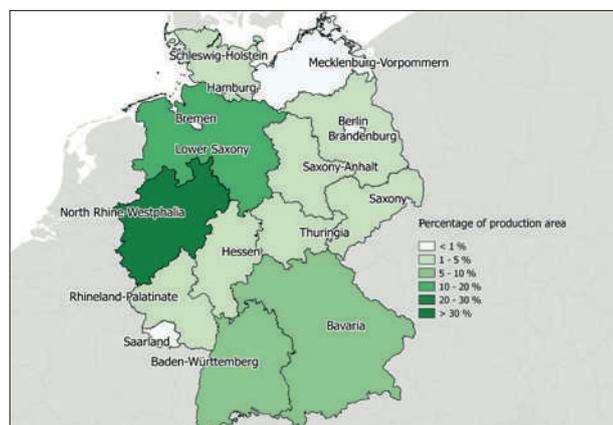
AREA AND PRODUCTION

Country pages

Distribution of production area in 2021

Production of ornamental plants

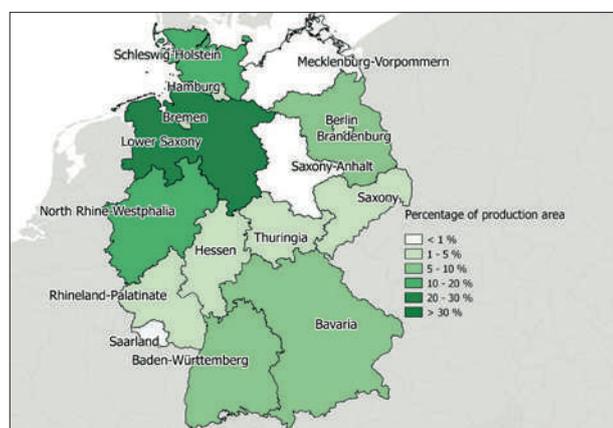
Total: 2 999 ha



Ornamental plants	Production area	
	In ha	In %
Total	2 999	100
Baden-Württemberg	211	7
Bavaria	244	8
Berlin and Bremen	6	<1
Brandenburg	29	1
Hamburg	64	2
Hessen	76	3
Mecklenburg-Vorpommern	7	<1
Lower Saxony	521	17
Northrhine-Westphalia	1 571	52
Rhineland-Palatinate	39	1
Saarland	4	<1
Saxony	93	3
Saxony-Anhalt	30	1
Schleswig-Holstein	82	3
Thuringa	21	1

Production of nursery stock

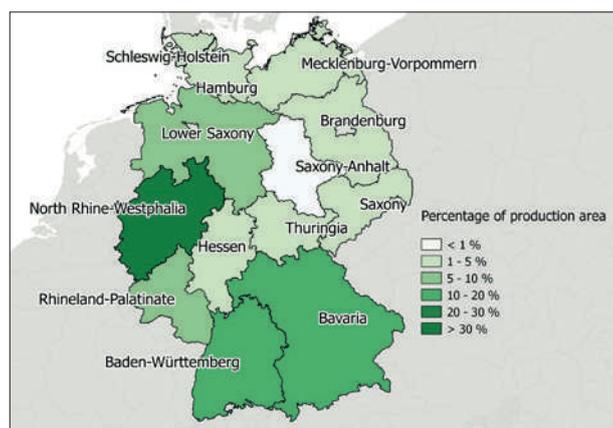
Total: 17 160 ha



Nursery stock	Production area	
	In ha	In %
Total	17 160	100
Baden-Württemberg	1 403	8
Bavaria	1 455	8
Hamburg, Berlin, Bremen	455	3
Brandenburg	1 073	6
Hessen	296	2
Mecklenburg-Vorpommern	.	.
Lower Saxony	4 794	28
Northrhine-Westphalia	3 266	19
Rhineland-Palatinate	461	3
Saarland	48	<1
Saxony	385	2
Saxony-Anhalt	.	.
Schleswig-Holstein	3 006	18
Thuringa	136	1

Production of cut flowers

Total: 2 815 ha



Cut flowers	Production area	
	In ha	In %
Total	2 815	100
Baden-Württemberg	382	14
Bavaria	378	13
Berlin and Bremen	.	.
Brandenburg	21	1
Hamburg	108	4
Hessen	100	4
Mecklenburg-Vorpommern	19	1
Lower Saxony	185	7
Northrhine-Westphalia	1 248	44
Rhineland-Palatinate	166	6
Saarland	.	.
Saxony	61	2
Saxony-Anhalt	7	.
Schleswig-Holstein	80	3
Thuringa	58	2

Source: Stat. Bundesamt, Baumschul- und Zierpflanzenerhebung 2021

AREA AND PRODUCTION

Country pages

Germany – External trade ornamental horticultural products

Exports from Germany in 2023 by value in 1 000 EUR				
Live plants (with roots) and cuttings (without roots)	665 729	Live plants (excl. Fruit trees and bushes)	641 210	other ornamental plants (outdoor) (241 627) / Trees, shrubs and bushes (outdoor) (124 274) / Flowering Plants (indoor) (83 624)
		Cuttings and slips (without roots)	13 483	other cuttings and slips (13 483)
Bulbs, tubers, etc.	63 850	Bulbs, tubers, etc., flowering or in growth	44 259	Orchids, hyacinth etc. in growth and flower (32 724) / Bulbs etc. in growth or flower (11 535)
		Bulbs, tubers, etc., dormant	19 592	Tulip, dormant (9 623) / other bulbs etc., dormant (8 597) / Narcissi, dormant (558)
Cutflowers	55 027	Cutflowers, fresh	52 508	Cutflowers, fresh, different species (29 261) / Roses, fresh cut (18 171) / Chrysanthemums, fresh cut (2 366)
		Cutflowers, treated	2 519	Cutflowers, treated (2 519)
Cut foliage, branches, mosses and lichens etc., fresh or treated	39 481	Cut foliage, branches, mosses and lichens etc., fresh (incl. Christmas trees)	32 135	Christmas trees (17 884) / Cut foliage, branches etc., fresh (14 088) / Mosses and lichens, fresh (158)
		Cut foliage, branches, mosses and lichens, dried or treated	7 345	Cut Foliage, branches etc., only dried (5 745) / Reindeer moss, treated (1 600)
Total	824 087			

Imports to Germany in 2023 by value in 1 000 EUR				
Live plants (with roots) and cuttings (without roots)	1 225 522	Live plants (excl. Fruit trees and bushes)	1 162 284	Flowering Plants (indoor) (350 018) / other ornamental plants (outdoor) (341 178) / Green/foilage plants (indoor) (300 040)
		Cuttings and slips (without roots)	39 539	other cuttings and slips (39 539)
Cutflowers	1 190 707	Cutflowers, fresh	1 169 329	Cutflowers, fresh, different species (741 281) / Roses, fresh cut (293 399) / Chrysanthemums, fresh cut (70 023)
		Cutflowers, treated	21 378	Cutflowers, treated (21 378)
Bulbs, tubers, etc.	174 702	Bulbs, tubers, etc., flowering or in growth	123 880	Orchids, hyacinth etc. in growth and flower (92 002) / Bulbs etc. in growth or flower (31 878)
		Bulbs, tubers, etc., dormant	50 822	other bulbs etc., dormant (28 913) / Tulip, dormant (10 771) / Narcissi, dormant (5 861)
Cut foliage, branches, mosses and lichens etc., fresh or treated	130 944	Cut foliage, branches, mosses and lichens etc., fresh (incl. Christmas trees)	102 239	Cut foliage, branches etc., fresh (66 830) / Christmas trees (34 751) / Mosses and lichens, fresh (650)
		Cut foliage, branches, mosses and lichens, dried or treated	28 705	Cut Foliage, branches etc., only dried (26 406) / Reindeer moss, treated (2 299)
Total	2 721 874			

Top Ten Countries Exporting to Germany in 2023 by value in 1 000 EUR			
Netherlands	2 338 018	Other fresh cut flowers (715 565) / Flowering pot plants (304 238) / Other live plants (278 887)	
Italy	84 590	Other live plants (24 966) / Foliage, fresh (12 661) / Ornamental nursery stocks (10 952)	
Denmark	81 858	Flowering pot plants (29 178) / Christmas trees (19 749) / Foliage plants (14 512)	
Spain	35 140	Other live plants (12 814) / Ornamental nursery stocks (5 278) / Foliage plants (4 747)	
Kenya	30 925	Roses (18 985) / Cuttings and young plants (7 933) / Other fresh cut flowers (3 239)	
Belgium	29 887	Other live plants (6 994) / Foliage plants (4 899) / Flowering pot plants (4 177)	
Poland	22 807	Christmas trees (4 803) / Cuttings and young plants (3 957) / Foliage, fresh (2 824)	
China	12 316	Treated foliage (3 744) / Flowering pot plants (3 627) / Cuttings and young plants (2 725)	
Turkey	9 775	Cuttings and young plants (3 345) / Other live plants (1 546) / Treated foliage (1 265)	
Czech Rep.	7 881	Treated foliage (4 206) / Christmas trees (2 049) / Flowering pot plants (827)	
others	68 678		
Total	2 721 874	Imports by Germany	

Top Ten Countries Importing from Germany in 2023 by value in 1 000 EUR			
Netherlands	246 454	Other live plants (63 408) / Cuttings and young plants (60 593) / Flowering pot plants (23 399)	
Austria	110 603	Other live plants (38 630) / Foliage plants (17 453) / Flowering pot plants (13 959)	
Switzerland	72 478	Other live plants (21 838) / Ornamental nursery stocks (21 520) / Foliage plants (5 426)	
France	62 726	Other live plants (23 738) / Flowering pot plants (8 168) / Ornamental nursery stocks (6 852)	
Poland	40 679	Ornamental nursery stocks (11 522) / Other live plants (10 701) / Flowering pot plants (4 218)	
Czech Rep.	35 237	Other live plants (7 084) / Flowering pot plants (5 916) / Ornamental nursery stocks (5 633)	
Belgium	30 713	Other live plants (11 374) / Flowering pot plants (3 641) / Other fresh cut flowers (3 191)	
Denmark	30 093	Other live plants (14 757) / Ornamental nursery stocks (4 488) / Flowering pot plants (3 270)	
Sweden	23 516	Other live plants (9 540) / Ornamental nursery stocks (6 261) / Forest plants (2 473)	
Italy	20 541	Other live plants (8 432) / Ornamental nursery stocks (2 885) / Flowering pot plants (1 827)	
others	151 047		
Total	824 087	Exports by Germany	

Source: Eurostat, provisional data for 2023

Market value of flowers and ornamental plants

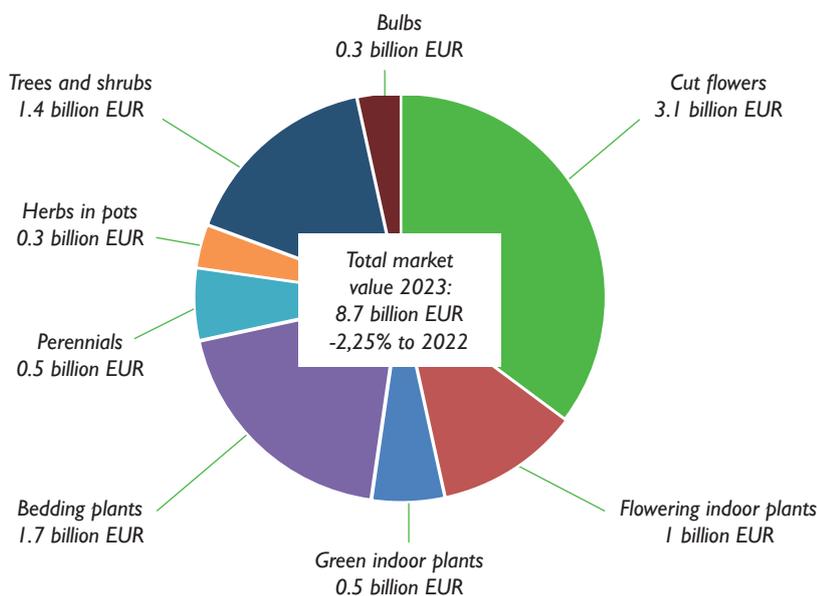
Retail prices in billion EUR

	2023		2022		2021		2020		2019		2018		2017		2016		2015	
	billion EUR	%	billion EUR	%	billion EUR	%	billion EUR	%	billion EUR	%	billion EUR	%	billion EUR	%	billion EUR	%	billion EUR	%
Cut flowers	3.1	36	3.1	35	3.6	35	3.2	34	3.1	34	2.9	33	3.0	34	3.0	35	3.0	35
Indoor plants	1.5	17	1.5	17	1.7	17	1.6	17	1.5	16	1.5	17	1.5	17	1.5	17	1.5	17
Flowering plants	1	11	1	11	1.1	11	1.0	11	0.9	11	0.9	10	1.0	12	1.1	13	1.1	13
Green plants	0.5	6	0.5	6	0.6	6	0.6	6	0.5	5	0.5	6	0.4	5	0.4	5	0.4	5
Garden plants	4.2	48	4.2	48	5.0	49	4.6	49	4.3	49	4.3	49	4.2	49	4.2	48	4.1	48
Bedding plants	1.7	20	1.7	20	2.1	21	1.9	20	1.8	21	1.8	21	1.8	21	1.7	20	1.8	21
Perennials	0.5	6	0.5	6	0.7	7	0.7	7	0.6	6	0.5	6	0.5	6	0.5	6	0.5	6
Herbs in pots	0.3	3	0.3	3	0.3	3	0.3	3	0.3	3	0.3	3	0.3	3	0.3	3	0.2	2
Trees and shrubs	1.4	16	1.4	16	1.6	16	1.5	16	1.5	16	1.4	16	1.4	16	1.4	16	1.4	16
Bulbs	0.3	3	0.3	3	0.3	3	0.3	3	0.2	3	0.3	3	0.3	3	0.3	3	0.2	3
Total	8.7		8.9		10.2		9.4		9.0		8.7		8.6		8.7		8.5	

Source: AMI GmbH, Germany, 2024

Germany: Market value of flowers and ornamental plants 2023

Retail prices in billion EUR



Source: AMI GmbH, Germany, 2024

Per capita expenditures on flowers and ornamental plants

Retail prices in EUR

	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
Cut flowers	37	37	43	39	37	35	36	37	37	37	37
Indoor plants	18	18	20	19	19	18	18	19	18	19	19
Bedding plants/garden plants	21	21	26	23	22	22	22	21	21	22	21
Herbs	3	3	8	8	3	3	3	3	3	3	2
Perennials	6	7	3	3	6	6	6	6	6	6	6
Shrubs and bushes	16	17	19	18	18	17	17	17	17	17	15
Bulbs	3	3	3	3	3	3	3	3	3	3	3
Total	104	106	123	113	108	105	105	106	104	106	104

Source: AMI GmbH, Germany, 2024

GUATEMALA

Economic indicators 2023

Population:	17.6 millions
Surface area:	109 km ²
Population density:	160 people per km ²
Gross national income ¹ :	98 in billion \$
- per capita:	5 580 in \$
Purchasing power parity: (gross national income)	243 in billion \$
- per capita:	13 820 per capita in \$
Gross domestic product:	3.5 % growth
Gross domestic product:	2.0 per capita % growth

¹ Atlas method

Source: Worldbank, 2024, World Development Indicators

Flowers and plants

Area in hectares

	2023	2022	2021
Ornamental plants, foliage and flowers	3 500	3 500	3 500

Source: Agexport, Plantas ornamentales follajes y flores, 2023

Number of enterprises

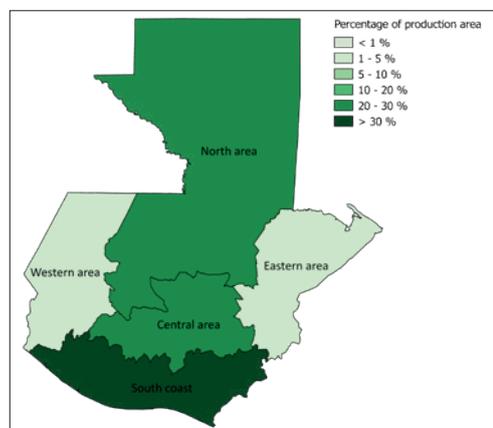
	2023	2022	2021
Ornamental plants, foliage and flowers	80	80	80

Source: Agexport, Plantas ornamentales follajes y flores, 2023

Distribution of production area in 2023

Production of cut flowers and cut foliage

Total: 3 500 ha



Source: Agexport, Plantas ornamentales follajes y flores, 2023

Flowers and plants	Production area	
	In ha	In %
Total	3 500	100
South coast	1 505	43
North area	910	26
Central area	805	23
Eastern area	139	4
Western area	141	4

Guatemala – External trade ornamental horticultural products

Exports – Flowers and plants, value in 1 000 EUR

	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
Live plants (including their roots) (HS-Code 0602)	50 891	58 583	53 729	44 342	42 052	39 522	35 782	29 500	27 060	21 879	24 339
Foliage, branches and other parts of plants (HS-Code 0604)	26 699	29 135	25 184	19 961	24 852	25 697	27 045	23 939	19 712	15 089	13 068
Cut flowers and flower buds (HS-Code 0603)	29 332	29 332	22 675	15 244	18 302	17 120	16 236	15 923	12 239	9 874	9 405
Bulbs, tubers, corms, etc. (HS-Code 0601)	2	4	2	10	18	12	5	9	0	1	3
Total	106 924	117 054	101 590	79 557	85 224	82 351	79 068	69 371	59 011	46 843	46 815

Source: ITC Trade map, 2024

AREA AND PRODUCTION

Country pages

Exports – Flowers and plants, quantity in tons

	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
Foliage, branches and other parts of plants (HS-Code 0604)	9 525	10 254	26 554	9 031	9 870	10 301	10 978	10 394	9 654	9 837	8 808
Live plants (including their roots) (HS-Code 0602)	16 188	14 310	19 199	14 972	12 815	12 318	11 454	11 015	10 077	9 751	9 230
Cut flowers and flower buds (HS-Code 0603)	23 276	20 842	18 144	7 572	9 464	6 997	5 292	5 885	3 524	3 315	3 249
Bulbs, tubers, corms, etc. (HS-Code 0601)	0	1	1	46	88	131	82	151	0	5	5
Total	48 989	45 407	63 898	31 621	32 237	29 747	27 806	27 445	23 255	22 908	21 292

Source: ITC Trade map, 2024

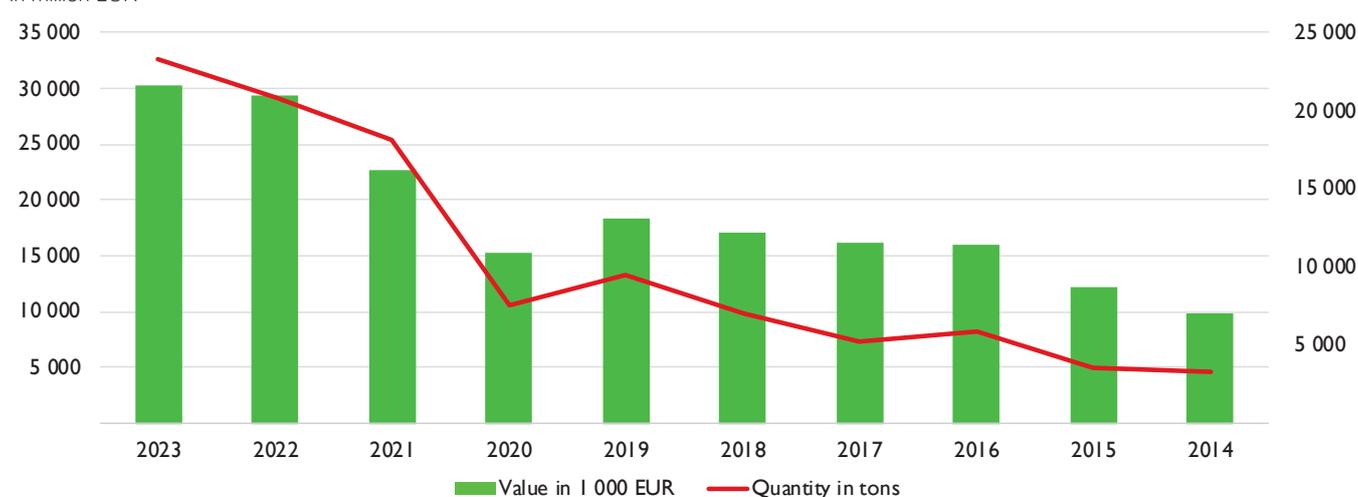
Imports – Flowers and plants, value in 1 000 EUR

	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
Live plants (including their roots) (HS-Code 0602)	6 697	5 627	4 604	3 715	3 539	2 890	3 305	4 579	3 724	3 465	2 605
Bulbs, tubers, corms, etc. (HS-Code 0601)	4 285	2 737	2 123	1 630	1 799	1 612	1 308	810	923	845	819
Foliage, branches and other parts of plants (HS-Code 0604)	297	373	260	230	303	218	211	155	162	142	140
Cut flowers and flower buds (HS-Code 0603)	301	404	205	147	186	61	116	55	60	63	56
Total	11 580	9 141	7 192	5 722	5 827	4 781	4 940	5 599	4 869	4 515	3 620

Source: ITC Trade map, 2024

Guatemala: Export of cut flowers

In million EUR



Source: ITC Trade map, 2024

Exports – Cut flowers, fresh, value in 1 000 EUR

Partner country	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
USA	20 094	19 417	16 357	12 659	13 172	12 365	11 399	11 730	10 451	8 400	7 912
El Salvador	8 292	7 928	5 015	1 818	3 582	3 605	3 480	3 241	1 035	838	911
Honduras	1 457	1 375	879	334	851	498	602	289	148	124	120
Costa Rica	171	216	181	131	280	350	374	309	260	199	154
Nicaragua	.	28	72	89	199	209	297	282	277	190	190
Netherlands	47	103	64	74	88	59	50	28	40	99	98
Mexico	104	240	48	34	0	0	0	0	0	0	0
Japan	49	8	32	41	56	0	0	0	0	0	0
Australia	9	.	10	5	34	4	0	0	0	0	0
Korea, Republic of	2	2	6	2	0	0	0	0	0	0	0
Canada	.	13	5	59	24	21	26	31	20	21	12
Others	9	2	6	0	16	9	8	13	8	3	8
Total	30 225	29 332	22 675	15 244	18 302	17 120	16 236	15 923	12 239	9 874	9 405

Source: ITC Trade Map, 2024

AREA AND PRODUCTION

Country pages

Exports – Cut flowers, fresh, value in 1 000 EUR

	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
Roses	16 383	15 751	15 091	10 834	12 741	11 345	9 497	10 263	8 768	7 002	6 681
Lilies	2 057	2 290	1 549	1 106	1 183	813	767	659	520	551	553
Carnations	710	700	388	162	370	437	389	382	104	70	75
Chrysanthemums	15	15	19	6	21	8	1	8	5	5	6
Orchids	3	0	0	0	2	0	1	1	1	2	0
Other cut flowers, fresh	5 782	6 387	4 357	2 817	3 543	3 893	3 911	3 790	2 542	2 188	2 062
Other cut flowers, treated	5 284	4 188	1 271	321	444	623	1 670	820	299	58	29
Total	30 234	29 332	22 675	15 244	18 302	17 120	16 236	15 923	12 239	9 874	9 405

Source: ITC Trade Map, 2024

Exports – Roses, fresh, value in 1 000 EUR

Partner country	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
USA	11 431	11 219	12 057	9 556	10 165	8 915	6 885	7 978	7 635	6 091	5 718
El Salvador	3 707	3 469	2 186	747	1 483	1 576	1 546	1 473	468	398	468
Honduras	983	737	553	234	615	295	395	225	122	114	118
Costa Rica	156	216	181	130	278	350	374	309	260	199	154
Nicaragua	.	28	72	89	199	207	297	278	275	190	190
Mexico	104	83	41	33	0	0	0	0	0	0	0
Panama	2	.	1	0	1	3	0	0	0	0	0
Others	0	0	0	45	0	0	0	0	8	10	33
Total	16 383	15 751	15 091	10 834	12 741	11 345	9 497	10 263	8 768	7 002	6 681

Source: ITC Trade Map, 2024

HUNGARY

Flowers and plants

Area in hectares

	2019
Cut flowers	105
Roses	10
Gerbera	20
Chrysanthemums	30
Others	45
Pot plants and bedding plants	190
Bedding plants	130
Pelargonium	32
Chrysanthemums	10
Others	88
Crops in the open	55
Cut flowers	45
Bedding plants	10
Nursery stocks	2 610
Perennials	35
Rose plants	110
Ornamental trees, shrubs	2 495
Christmas trees	3 000

Source: Hungarian Interbranch Organization for Ornamental Horticulture, 2020

INDIA

Economic indicators 2023

Population:	1 429 millions
Surface area:	3 287 300 km ²
Population density:	473 people per km ²
Gross national income ¹ :	3 630 in billion \$
- per capita:	2 540 in \$
Purchasing power parity:	14 324 in billion \$
(gross national income)	
- per capita:	10 030 per capita in \$
Gross domestic product:	7.6 % growth
Gross domestic product:	6.7 per capita % growth

¹ Atlas method

Source: Worldbank, 2024, World Development Indicators

AREA AND PRODUCTION

Country pages

Flowers

Area in 1 000 hectares, amount in 1 000 mt

	2022/23 ¹	2021/22	2020/21	2019/20	2018/19	2017/18	2016/17	2015/16	2014/15 ²	2013/14	2012/13
Area (in 1 000 hectares)	285	282	322	323	303	324	306	278	249	255	234
Cut flowers (in million flowers or 1 000 mt)	854	615	828	676	647	823	693	528	484	543**	7 673
Looseflowers (in 1 000 mt)	2 242	2 199	2 152	2 323	2 263	1 962	1 699	1 656	1 659	1 754	1 729

Source: National Horticulture Board, India, Area Production Statistics, 2024

¹ Final estimate

² Please note: from 2013/14 new unit: in 1 000 metric tons (mt)

Flowers

Area in 1 000 hectares

	2022/23 ¹	2021/22	2020/21	2019/20	2018/19	2017/18	2016/17	2015/16	2014/15	2013/14	2012/13
Kerala	0	0	53	53	53	38	27	13	13	.	.
Tamil Nadu	44	46	43	36	37	34	32	31	55	32	29
Madhya Pradesh	39	38	36	33	30	20	18	18	18	16	17
West Bengal	34	30	29	29	29	27	26	26	25	25	24
Andhra Pradesh	15	15	18	27	28	26	17	18	16	64	35
Karnataka	42	47	37	34	25	31	33	32	31	31	30
Uttar Pradesh	23	23	23	22	21	21	22	17	17	15	16
Gujarat	21	21	20	20	21	20	20	20	19	16	17
Chhatisgarh	14	12	13	14	14	13	11	11	11	8	10
Maharashtra	11	12	11	13	11	5	12	12	7	19	22
Odisha	6	6	6	6	7	7	7	7	8	8	8
Haryana	2	2	2	4	6	5	6	6	6	6	6
Rajasthan	3	4	4	4	3	3	3	3	3	3	3
Jammu and Kashmir	0	0	0	0	0	50	52	50	-	-	-
Others	30	29	28	28	18	24	20	14	19	13	17
Total	285	282	322	323	303	324	306	278	248	255	234

Source: National Horticulture Board, India, Area Production Statistics, 2024

¹ Final estimate: 2022/23

Flowers

Area and amount of production

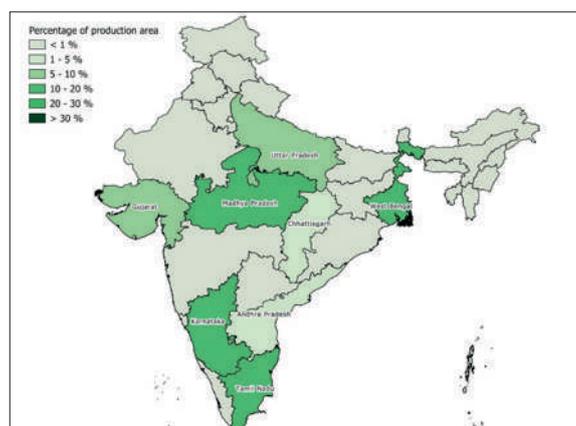
	Area				Production							
	(In 1 000 hectares)				Loose flowers (In 1 000 t)				Cut flowers (In million flowers/in 1 000 t)			
	2022/23	2021/22	2020/21	2019/20	2022/23	2021/22	2020/21	2019/20	2022/23	2021/22	2020/21	2019/20
Anthurium	3	4	3	3	1	1	1	1	7	2	2	8
Carnations	2	2	2	2	1	3	13	1	11	7	7	16
Chrysanthemums	32	31	24	25	457	444	456	586	33	18	16	16
Gerbera	6	6	5	5	7	7	6	5	27	22	20	39
Gladious	12	12	12	12	15	14	14	11	177	176	247	139
Jasmine	23	26	26	22	200	218	238	174	2	3	2	3
Marigold	84	82	74	80	936	897	761	881	22	26	19	6
Rose	41	40	38	36	210	181	150	147	339	185	349	283
Tube rose	21	22	22	22	91	105	122	148	102	97	94	87
Orchids	3	3	3	3	5	5	5	5	11	11	10	10
Others	56	56	113	113	318	323	386	364	122	68	63	70
Total	285	282	322	323	2 242	2 199	2 152	2 323	854	615	828	676

Source: National Horticulture Board, India, Indian Horticulture Database, 2024

Distribution of production area in 2022/23

Production of cut flowers

Total: 285 000 ha



Cut flowers ¹	Production area	
	in 1 000 ha	In %
Total	285	100
Kerala	0	0
Tamil Nadu	44	15
Madhya Pradesh	39	14
West Bengal	34	12
Andhra Pradesh	15	5
Karnataka	42	15
Uttar Pradesh	23	8
Gujarat	21	7
Chhatisgarh	14	5
Others	52	18

Source: National Horticulture Board, India, Area Production Statistics, 2024
1 Final estimate 2022/23

INDIA – External trade ornamental horticultural products

Imports – Cut flowers, foliage and plants, value in 1 000 EUR

	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
Live plants (including their roots) (HS-Code 0602)	23 556	28 205	23 667	12 911	20 033	13 026	9 714	8 693	6 392	5 622	5 686
Cut flowers and flower buds (HS-Code 0603)	1 721	1 545	1 085	1 093	3 565	3 125	3 617	4 336	5 001	4 178	3 790
Bulbs, tubers, corms, etc. (HS-Code 0601)	5 537	3 696	2 535	1 896	3 855	3 819	4 302	4 521	4 200	3 139	3 503
Foliage, branches and other parts of plants (HS-Code 0604)	778	1 319	1 013	689	724	550	551	817	509	723	407
Total	31 592	34 765	28 300	16 589	28 177	20 520	18 184	18 367	16 102	13 662	13 386

Exports – Cut flowers, foliage and plants, value in 1 000 EUR

	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
Cut flowers and flower buds (HS-Code 0603)	22 056	21 166	16 741	12 003	17 285	18 254	22 631	25 561	31 804	35 702	32 337
Foliage, branches and other parts of plants (HS-Code 0604)	28 706	43 586	41 064	30 685	35 286	33 234	33 799	34 220	23 681	11 326	12 989
Live plants (including their roots) (HS-Code 0602)	26 750	26 286	24 572	20 755	17 234	15 950	12 050	10 299	9 241	8 174	10 785
Bulbs, tubers, corms, etc. (HS-Code 0601)	759	396	549	718	1 072	1 053	1 095	926	848	980	1 123
Total	78 271	91 434	82 926	64 161	70 877	68 491	69 575	71 006	65 574	56 182	57 234

Exports – Cut flowers, value in 1 000 EUR

Partner countries	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
USA	3 700	4 693	4 306	1 642	2 508	2 605	2 440	3 238	4 777	6 571	6 918
United Kingdom	2 184	1 694	1 893	1 570	2 300	3 132	4 603	5 491	5 340	4 565	3 508
United Arab Emirates	2 686	2 200	1 812	1 903	2 266	1 648	2 465	2 147	1 869	1 851	1 101
Singapore	2 441	2 120	1 697	1 211	1 711	1 848	1 854	1 600	1 701	1 295	963
Malaysia	3 315	3 145	1 479	1 117	2 045	1 795	1 710	1 254	989	947	438
Nepal	780	461	678	302	39	34	12	17	5	4	17
Netherlands	1 172	1 389	437	158	141	334	638	900	2 380	3 483	2 986
Germany	120	176	415	618	819	556	906	1 822	3 603	4 768	5 168
Canada	301	434	396	273	293	423	1 060	1 433	1 124	961	1 063
Kuwait	564	518	363	303	417	368	247	175	88	121	136
New Zealand	587	406	328	325	809	960	967	591	589	646	514
Others	4 206	3 930	2 935	2 583	3 935	4 547	5 714	6 892	9 341	10 493	9 526
Total	22 056	21 166	16 741	12 003	17 285	18 254	22 613	25 561	31 804	35 702	32 337

Source: ITC Trade Map, 2024

INDONESIA

Cut flowers

Production in million stems

	2023 ¹	2022 ¹	2021 ¹	2020 ¹	2019 ¹	2016	2015	2014	2013	2012
Orchid	2.5	6.8	11.4	11.7	18.6	11.5	21.5	19.7	20.2	20.7
Chrysanthemums	464.6	394.5	344	383.5	465.4	404.2	442.7	427.2	387.2	397.7
Tuberose	103.2	118.3	112.8	115.2	123.5	116.7	116.7	104.6	105.0	101.2
Roses	204.6	169.1	126.8	147.7	213.9	178.9	188.3	173.1	152.1	68.7
Other cut flowers	.	.	.	.	.	7.9	16.0	16.2	19.6	28.6

Source: Marwoto, Budi: Development of Floriculture Industry in Indonesia, 2017, Presentation ALPH Annual Congress, 2017

¹ Source: Book of Angka Tetap Hortikultura 2023, The Directorate General of Horticulture, Ministry of Agriculture

Flowers and plants

Area in hectares

	2023 ¹	2022 ¹	2021 ¹	2020 ¹	2019 ¹	2016	2015	2014	2013	2012
Orchid	67	76	93	95	176	139	113	147	198	164
Anthurium	17	13	15	13	27	13	17	20	41	47
Carnations	.	.	.	.	.	7	10	12	15	30
Gerberas	49	49	46	46	86	18	20	35	37	42
Gladioli	.	.	.	.	.	9	16	16	21	23
Heliconia	10	12	11	14	20	24	23	22	27	35
Chrysanthemums	754	666	629	864	1021	1 091	1 087	965	908	985
Roses	422	461	331	453	436	346	354	341	326	273
Tuberose	532	613	332	361	355	340	255	250	364	311
Dracaena	28	33	28	21	28	10	13	14	13	13
Jasmine	.	.	.	.	.	1 520	1 618	1 569	976	828
Palm (Tree)	14	15	17	26	39	66	90	92	82	76
Total	1 893	1 938	1 502	1 893	2 188	3 582	3 616	3 485	3 009	2 828

Source: Marwoto, Budi: Development of Floriculture Industry in Indonesia, 2017, Presentation ALPH Annual Congress 2017

¹ Source: Book of Angka Tetap Hortikultura 2023, The Directorate General of Horticulture, Ministry of Agriculture

IRAN

Flowers and plants

Area in hectares

	2021	2020	2019	2018	2017	2016
In the open	4 717	5 214	5 090	5 132	4 175	3 500
Under protection	3 533	3 388	3 103	2 667	2 390	2 200
Total	8 251	8 602	8 193	7 799	6 565	5 700

Source: Deputy of Horticulture- Agriculture Ministry of Iran, 2023

Number of producers

	2021	2020	2019
In the open	7 657	11 731	10 449
Under protection	11 086	10 501	9 353
Total	18 743	22 232	19 802

Flowers and plants

Production by province – Area in hectares

Province	2020		2019		2018		2017	
	open field	under protection	open field	under protection	open field	under protection	open field	under protection
Alborz	197	106	197	100	255	52	259	53
Bushehr	39	8	63	2	61	.	70	.
Fars	558	46	507	52	542	52	331	41
Guilan	838	69	721	58	708	39	476	34
Ilam	656	.	569	.	477	.	195	.
Isfahan	42	190	63	193	137	71	118	60
Khorasan Razzavi	116	171	68	105	137	48	97	23
Khozestan	774	388	743	380	662	378	516	359
Mazandaran	920	395	780	333	773	314	720	297
Markazi	608	509	627	492	620	465	595	424
Tehran	323	1 310	608	1 212	665	1 124	668	1 014
Others	143	196	144	176	95	125	130	85
Total	5 214	3 388	5 090	3 103	5 132	2 668	2 844	2 390

Source: Deputy of Horticulture- Agriculture Ministry of Iran, 2021

AREA AND PRODUCTION

Country pages

Flowers and plants

Area in hectares

Production open field	2021	2020	2019	2018	2017	2016
Cut flowers	2 011	2 489	2 451	2 285	1 811	.
Trees and shrubs	2 325	2 335	2 231	2 364	1 895	.
Seasonal plants/young plants	382	390	360	483	470	.
Total	4 718	5 214	5 042	5 132	4 175	.

Production under protection ¹	2021	2020	2019	2018	2017	2016
Cut flowers	2 130	2 158	2 064	2 039	1 900	1 800
Pot plants	1 404	912	762	628	.	.
Flowering pot plants	378	357	271	232	490	300
Foliage pot plants	1 026	555	491	395	.	.
Total	3 534	3 070	2 826	2 667	2 390	2 200

¹ 95% plastic tunnels, 5% greenhouses (glass)

Source: Deputy of Horticulture- Agriculture Ministry of Iran, 2023

Pot plants under protection¹

Production by province in hectares and million pieces

Province	2020		2019		2018 ¹		2017 ²	
	Production In million	Area in ha						
Isfahan	9	13	12	13	6	11	3	8
Alborz	29	34	26	29	21	20	7	24
Tehran	79	220	50	195	27	138	179	98
Khorasan Razzavi	23	80	15	25	14	21	2	6
Khozestan	8	9	5	9	5	6	1	4
Mazandaran	33	242	35	203	28	179	13	142
Markazi	59	212	55	202	52	186	45	165
Others	27	103	27	85	20	67	9	44
Total	267	913	225	761	173	628	259	491

¹ Flowering pot plants and foliage pot plants

² Pot plants

Source: Deputy of Horticulture- Agriculture Ministry of Iran, 2021

Cut flowers

Production by province in hectares and million pieces

Province	2020				2019			
	Open field		Under protection		Open field		Under protection	
	In million branch	Area in ha						
Alborz	16	40	24	32	16	40	24	32
Ilam	56	656	0	.	40	570	.	.
Bushehr	8	39	0	.	15	63	.	.
Tehran	124	168	1174	1 056	203	272	1175	1 012
Khozestan	196	708	125	377	178	679	192	370
Fars	278	557	31	35	201	503	33	37
Mazandaran	148	172	139	148	114	148	104	124
Markazi	39	84	236	297	39	84	232	289
Others	26	65	227	213	42	92	205	200
Total	891	2 489	1956	2 158	848	2 451	1965	2 064

Province	2018				2017			
	Open field		Under protection		Open field		Under protection	
	In million branch	Area in ha						
Alborz	28	59	19	32	27	58	16	29
Ilam	29	477	.	.	10	196	.	.
Bushehr	11	60	.	.	8	70	.	.
Tehran	198	292	1049	986	485	418	850	916
Khozestan	147	606	119	372	99	462	91	355
Fars	198	485	36	46	172	319	34	38
Mazandaran	110	152	147	135	141	151	124	155
Markazi	42	91	225	279	37	81	207	259
Others	33	62	199	243	28	56	176	148
Total	796	2 284	1794	2 093	1008	1 811	1498	1 900

Source: Deputy of Horticulture- Agriculture Ministry of Iran, 2021

AREA AND PRODUCTION

Country pages

Flowers and plants

Production by province – Area in hectares

Province	2020		2019		2018		2017	
	open field	under protection	open field	under protection	open field	under protection	open field	under protection
Alborz	197	106	197	100	255	52	259	53
Bushehr	39	8	63	2	61	.	70	.
Fars	558	46	507	52	542	52	331	41
Guilan	838	69	721	58	708	39	476	34
Ilam	656	.	569	.	477	.	195	.
Isfahan	42	190	63	193	137	71	118	60
Khorasan Razzavi	116	171	68	105	137	48	97	23
Khozestan	774	388	743	380	662	378	516	359
Mazandaran	920	395	780	333	773	314	720	297
Markazi	608	509	627	492	620	465	595	424
Tehran	323	1 310	608	1 212	665	1 124	668	1 014
Others	143	196	144	176	95	125	130	85
Total	5 214	3 388	5 090	3 103	5 132	2 668	2 844	2 390

Source: Deputy of Horticulture- Agriculture Ministry of Iran, 2021

Trees and shrubs

Production by province in hectares and million pieces

Province	2020		2019		2018		2017	
	Production in million	Area in ha open field	Production in million	Area in ha open field	Production in million	Area in ha open field	Production in million	Area in ha open field
Isfahan	8	20	8	24	15	36	12	27
Alborz	50	157	50	157	50	157	46	152
Tehran	29	111	50	297	61	339	7	189
Khorasan Razzavi	4	45	1	15	30	95	9	76
Khuzestan	15	37	15	36	14	38	13	13
Gilan	29	830	26	714	25	704	20	473
Mazandaran	179	689	134	583	155	585	83	542
Markazi	93	333	90	360	88	350	84	341
Others	7	52	11	45	12	60	13	83
Total	414	2 274	385	2 231	450	2 364	287	1 895

Source: Deputy of Horticulture- Agriculture Ministry of Iran, 2021

IRELAND

Flowers and plants

Area in hectares

	2010
Bulbs, cut flowers and cut foliage	357
Narcissus (bulbs)	59
Narcissus (cut flower)	103
Cut foliage	193
Ozothamnus	56
Pittosporum	53
Laurel	34
Eucalyptus	32
Other	18
Under protection	
Cut flowers	2
Bedding plants	58
Geraniums	15
Pansies	8
Begonias	6
Others	29
Total	415

Source: National Amenity Census 2011; Department of Agriculture, Food and the Marine; Bord Bia; Irish Food Board

Horticulture output

Value at farm-gate, in million EUR

	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011
Bulbs, outdoor flowers and foliage sector	9.1	9.4	9.3	9.1	8.8	8.1	5.9	4.5	3.6	4.2
Hardy nursery crops, and other horticultural sectors	65.2	57.3	56.8	53.9	45.4	40.6	40.8	38.2	39.1	44.5
Total	66.7	74.3	66	63	54.2	48.7	46.7	42.7	42.7	48.7

Source: Department of Agriculture, Food and the Marine, Annual report 2020

Market size

Value in million EUR

	2021	2020	2018	2016
Fresh cut flowers, foliage & wreaths	132	97	91	78
Indoor potted plants	51	37	25	19
Bedding plants	42	42	24	24
Bulbs and flower seeds	43	35	20	23

Source: Department of Agriculture, Food and the Marine, Amenity Sector Full year 2021 Management Report

ISRAEL

Cut flowers

Area under protection and in the open in hectares

	2004	2000	1998/99	1995/96	
Cut flowers	2 748	2 700	2 245	1 950	Fleurs coupées
Roses	214	210	227	215	Roses
Carnations, spray	.	2	10	32	Oeillets
Carnations, standard	.	.	141	130	Oeillets
Solidago	198	170	149	67	Soidago
Gypsophila	207	220	229	165	Gypsophile
Gerbera	58	60	60	49	Gerbera
Others	.	788	724	810	Autres fleurs coupées
Foliage	.	430	423	225	Feuillage coupé
Wax flowers	256	300	282	300	Fleurs cirées

Cut flowers

Production in million stems

	2008	2006	2000	1998/99	1995/96	
Cut flowers	962	1 078	1 282	1 670	1 350	Fleurs coupées
Roses	10	59	395	500	340	Roses
Carnations, spray	.	.	.	13	38	Oeillets
Carnations, standard	.	.	.	103	110	Oeillets
Staticé	13	22	.	.	.	Limonium
Gypsophila	86	104	146	165	105	Gypsophile
Gerbera	31	43	49	46	42	Gerbera
Wax flowers	33	67	56	77	78	Fleurs cirées
Ruscus	344	333	286	.	.	Ruscus
Others	445	454	349	376	501	Autres fleurs coupées

Source: National Flower Board, Israel, Central Bureau of Statistics Israel

ITALY

Economic indicators 2023

Population:	58.8 millions
Surface area:	302 100 km ²
Population density:	200 people per km ²
Gross national income ¹ :	2 245 in billion \$
- per capita:	38 200 in \$
Purchasing power parity:	3 447 in billion \$
(gross national income)	
- per capita:	58 650 per capita in \$
Gross domestic product:	0.9 % growth
Gross domestic product:	1.2 per capita % growth

¹ Atlas method

Source: Worldbank, 2024, World Development Indicators

Production value at basic price

Value in current prices (In million EUR)

Year	Flowers and plants	Nursery stock	Flowers and ornamental plants ¹
2023e	3 143		
2022p	3 139	1 678	1 462
2021	2 782	1 505	1 311
2020	2 648	1 418	1 231
2019	2 715	1 445	1 269
2018	2 564	1 399	1 166
2017	2 538	1 376	1 163
2016	2 450	1 325	1 125
2015	2 487	1 342	1 146
2014	2 586	1 383	1 202
2013	2 613	1 389	1 224
2012	2 731	1 401	1 330

¹ incl. Christmas trees e: estimated p: provisional
Source: Eurostat

Flowers and plants

Area in hectares

	2020	2010	2000	1990	1982
Flowers and ornamental plants	8 815	12 724	12 693	13 671	24 996
Outdoor	.	7 282	.	.	.
Under protection	.	5 442	.	.	.
In greenhouses	.	4 420	.	.	.
Under low (not accessible) protective cover	.	1 022	.	.	.
Floricultural and ornamental seedlings	.	1 597	.	.	.
Plants in nurseries	31 852	27 577	21 520	15 582	9 142
Fruit trees	.	3 596	.	.	.
Ornamental plants	.	15 890	.	.	.
Other	.	8 092	.	.	.

Source: Agricultural Census 2010 & 2020

Production of ornamental crops in 2007

Area in hectares

	Total	In the open	In green-houses	Under other covering
Cut flowers, foliage and branches	5 834	3 337	2 037	459
Cut flowers	2 752	740	1 830	182
Cut foliage and branches	3 082	2 597	208	278
Pot plants	5 031	2 573	2 163	295
Nursery stock	19 573	18 900	415	258
Perennials	380	252	103	24
Ground covering plants	201	200	1	
Shrubs and trees	12 970	12 922	27	22
Container grown	3 308	2 917	217	174
Fruit trees	1 654	1 609	23	22
Olive trees	383	334	40	9
Forest trees	676	665	5	63
Young plants, cuttings and seedlings	5 540	5 182	281	78
Ornamental flowers and plants	105	47	44	14
Ornamental trees	390	293	79	18
Fruit trees	116	113	2	0,1
Olive trees	34	26	8	0,1
Forest trees	334	331	2	2
Vine	4 166	4 159	5	2
Vegetables	375	192	141	41
Others	21	20		1

Source: Indagine Florovivaismo 2007, Ministero delle politiche agricole alimentari e forestali

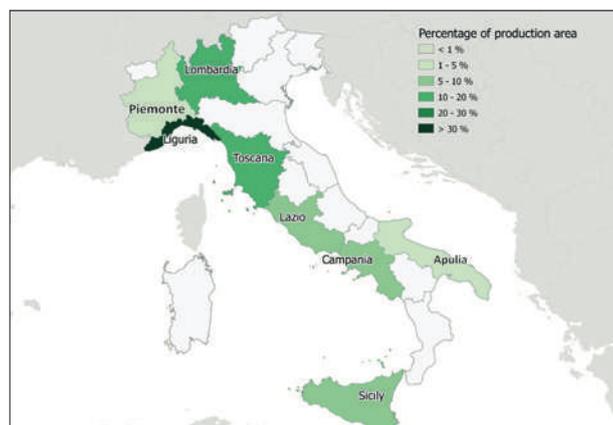
AREA AND PRODUCTION

Country pages

Distribution or production area in 2020 & 2010

Production of flowers and ornamental plants 2020

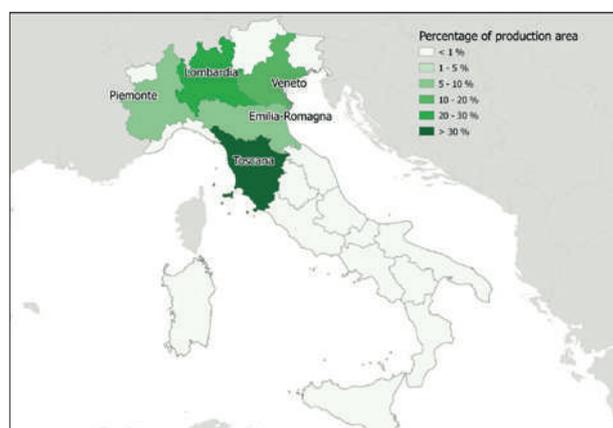
Total: 8 815 ha



Flower and ornamental plants	Production area	
	In ha	In %
Total	8 815	100
Liguria	2 661	30
Lombardia	1 181	13
Toscana	1 106	13
Lazio	633	7
Campania	447	5
Sicilia	402	5
Piemonte	342	4
Puglia	304	3
Other regions	1 739	20

Production of ornamental nursery plants 2010

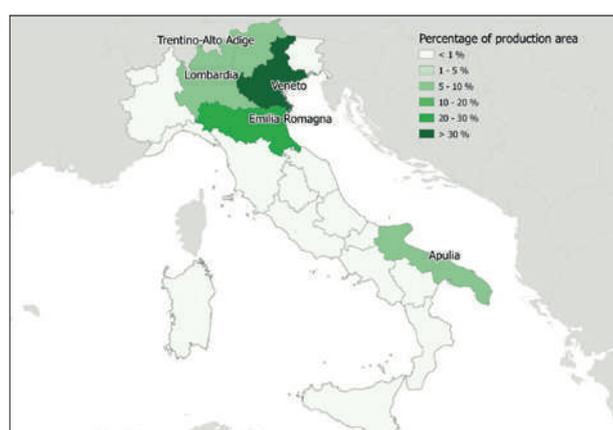
Total: 15 890 ha



Ornamental nursery plants	Production area	
	In ha	In %
Total	15 890	100
Toscana	5 126	32
Lombardia	3 810	24
Veneto	1 712	11
Emilia-Romagna	1 020	6
Piemonte	826	5
Other regions	3 396	21

Production of fruit trees 2010

Total: 3 596 ha



Fruit trees	Production area	
	In ha	In %
Total	3 596	100
Veneto	1 118	31
Emilia-Romagna	996	28
Trentino - Alto Adige	287	8
Lombardia	185	5
Apulia	195	5
Other regions	816	23

Source: Agricultural Census 2020 & 2010

AREA AND PRODUCTION

Country pages

Italy – External trade ornamental horticultural products

Exports from Italy in 2023 by value in 1 000 EUR				
Live plants (with roots) and cuttings (without roots)	748 816	Live plants (excl. Fruit trees and bushes)	615 644	Trees, shrubs and bushes (outdoor) (342 788) / other ornamental plants (outdoor) (134 031) / Flowering Plants (indoor) (55 848)
		Fruit trees, shrubs and bushes	85 251	Fruit trees, shrubs and bushes (85 251)
Cut foliage, branches, mosses and lichens etc., fresh or treated	164 615	Cut foliage, branches, mosses and lichens etc., fresh (incl. Christmas trees)	148 182	Cut foliage, branches etc., fresh (136 862) / Mosses and lichens, fresh (11 257) / Christmas trees (52)
		Cut foliage, branches, mosses and lichens, dried or treated	16 433	Cut Foliage, branches etc., only dried (14 461) / Reindeer moss, treated (1 972)
Cutflowers	134 890	Cutflowers, fresh	109 139	Cutflowers, fresh, different species (67 397) / Ranunculi, fresh cut (25 825) / Carnations, fresh cut (7 343)
		Cutflowers, treated	25 751	Cutflowers, treated (25 751)
Bulbs, tubers, etc.	17 722	Bulbs, tubers, etc., dormant	9 335	other bulbs etc., dormant (8 840) / Tulip, dormant (464) / Hyacinths, dormant (20)
		Bulbs, tubers, etc., flowering or in growth	8 387	Bulbs etc. in growth or flower (6 780) / Orchids, hyacinth etc. in growth and flower (1 607)
Total	1 066 043			

Imports to Italy in 2023 by value in 1 000 EUR				
Live plants (with roots) and cuttings (without roots)	463 639	Live plants (excl. Fruit trees and bushes)	357 389	Flowering Plants (indoor) (99 147) / Green/foilage plants (indoor) (57 860) / Trees, shrubs and bushes (outdoor) (54 484)
		Cuttings and slips (without roots)	62 943	other cuttings and slips (62 943)
Cutflowers	241 936	Cutflowers, fresh	229 876	Cutflowers, fresh, different species (108 463) / Roses, fresh cut (98 072) / Orchids, fresh cut (11 942)
		Cutflowers, treated	12 059	Cutflowers, treated (12 059)
Bulbs, tubers, etc.	88 895	Bulbs, tubers, etc., dormant	47 175	other bulbs etc., dormant (39 706) / Tulip, dormant (6 650) / Gladioli, dormant (347)
		Bulbs, tubers, etc., flowering or in growth	41 720	Orchids, hyacinth etc. in growth and flower (36 205) / Bulbs etc. in growth or flower (5 514)
Cut foliage, branches, mosses and lichens etc., fresh or treated	25 334	Cut foliage, branches, mosses and lichens etc., fresh (incl. Christmas trees)	22 045	Cut foliage, branches etc., fresh (18 589) / Christmas trees (3 289) / Mosses and lichens, fresh (167)
		Cut foliage, branches, mosses and lichens, dried or treated	3 289	Cut Foliage, branches etc., only dried (3 126) / Reindeer moss, treated (163)
Total	819 803			

Top Ten Countries Exporting to Italy in 2023 by value in 1 000 EUR			
Netherlands	595 650	Other fresh cut flowers (102 032) / Flowering pot plants (95 347) / Roses (93 624)	
Spain	48 968	Ornamental nursery stocks (15 267) / Fruit trees and shrubs (12 956) / Cuttings and young plants (6 932)	
Germany	37 472	Ornamental nursery stocks (14 694) / Other live plants (8 603) / Cuttings and young plants (4 218)	
France	34 042	Cuttings and young plants (15 585) / Cuttings and young plants (6 902) / Other fresh cut flowers (2 457)	
Belgium	20 332	Azaleas (7 488) / Ornamental nursery stocks (6 649) / Fruit trees and shrubs (1 888)	
Poland	17 592	Fruit trees and shrubs (17 534) / Rose plants (17) / Foliage plants (12)	
Greece	16 164	Cuttings and young plants (15 351) / Other live plants (314) / Flowering pot plants (186)	
Thailand	5 956	Orchids (5 638) / Foliage plants (198) / Cuttings and young plants (84)	
Denmark	4 163	Flowering pot plants (1 132) / Christmas trees (1 059) / Cuttings and young plants (477)	
Kenya	3 940	Cuttings and young plants (3 056) / Roses (760) / Other live plants (41)	
others	35 523		
Total	819 803	Imports by Italy	

Top Ten Countries Importing from Italy in 2023 by value in 1 000 EUR			
France	227 407	Ornamental nursery stocks (106 359) / Other live plants (35 844) / Flowering pot plants (12 019)	
Netherlands	214 638	Foliage, fresh (63 811) / Ornamental nursery stocks (27 423) / Other fresh cut flowers (18 317)	
Germany	168 350	Ornamental nursery stocks (38 577) / Other live plants (29 014) / Foliage, fresh (26 299)	
Switzerland	55 013	Other live plants (15 976) / Ornamental nursery stocks (12 799) / Other fresh cut flowers (9 787)	
United Kingdom	41 824	Ornamental nursery stocks (28 078) / Other live plants (7 566) / Foliage plants (2 266)	
Belgium	34 412	Ornamental nursery stocks (16 056) / Other live plants (4 396) / Flowering pot plants (3 441)	
Austria	33 595	Ornamental nursery stocks (11 031) / Other live plants (4 434) / Foliage, fresh (4 434)	
Spain	31 117	Ornamental nursery stocks (11 700) / Fruit trees and shrubs (5 538) / Cuttings and young plants (3 591)	
Romania	22 432	Ornamental nursery stocks (11 455) / Cuttings and young plants (3 660) / Fruit trees and shrubs (1 964)	
United States	16 882	Foliage, fresh (10 103) / Other fresh cut flowers (4 350) / Flower bulbs (908)	
others	220 372		
Total	1 066 043	Exports by Italy	

Source: Eurostat, provisional data for 2023

JAPAN

Economic indicators 2023

Population:	124.5 millions
Surface area:	378 000 km ²
Population density:	345 people per km ²
Gross national income ¹ :	4 860 in billion \$
- per capita:	39 030 in \$
Purchasing power parity: (gross national income)	6 554 in billion \$
- per capita:	52 640 per capita in \$
Gross domestic product:	1.9 % growth
Gross domestic product:	2.4 per capita % growth

¹ Atlas method

Source: Worldbank, 2024, World Development Indicators

Gross agricultural output

In billion Yen

	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011
Gross agricultural output, total	8 838	8 937	8 894	9 056	9 274	9 203	8 798	8 364	8 467	8 525	8 246
Flowers	331	308	326	333	344	353	353	344	349	345	338

Source: Statistics Bureau, Ministry of Internal Affairs and Communication, Japan Statistical Yearbook 2024, Chapter 8, Table 8-13

Expenditures on cut flowers per capita

In EUR/Yen

	2023	2022	2021	2020	2019	2018	2017	2016	2015
In EUR	24,0	25,6	26,2	27,6	27,8	26,5	28,8	32,0	27,5
In Yen	3 642	3 539	3 400	3 359	3 390	3 460	3 651	3 852	3 824

Source: Statistics Bureau Japan, Family income and expenditure survey, 2023 Yearly Average, Table 10

Expenditures on garden plants per capita

In EUR/Yen

	2023	2022	2021	2020	2019	2018	2017	2016	2015
In EUR	9,9	11,3	11,5	11,7	10,9	10,5	11,9	12,1	11,3
In Yen	1 500	1 566	1 498	1 421	1 334	1 373	1 506	1 449	1 519

Source: Statistics Bureau Japan, Family income and expenditure survey, 2023 Yearly Average, Table 10



AREA AND PRODUCTION

Country pages

Flowers and plants

Area in hectares

	Area in hectares										
	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011
Cut flowers	13 280	13 410	13 800	14 170	14 460	14 590	14 820	15 090	15 380	15 550	15 780
Chrysanthemums	4 258	4 314	4 490	4 663	4 758	4 801	4 990	5 007	5 096	5 230	5 233
Ring chrysanthemums	.	.	.	.	.	2 503	.	2 627	2 695	.	.
Spray chrysanthemums	.	.	.	.	.	734	746	728	728	.	.
Small chrysanthemums	.	.	.	.	.	1 564	1 613	1 651	1 673	.	.
Lilies	659	659	693	713	741	752	769	722	789	805	833
Eustoma	402	411	424	426	434	437	431	424	431	435	439
Roses	284	291	302	325	336	347	365	378	395	409	419
Carnations	252	262	271	290	295	301	318	326	348	367	378
Gypsophila	201	196	194	201	204	.	.	.	.	251	253
Gentiana	413	407	422	432	432	434	424	440	452	.	.
Limonium	167	168	170	186	187	185	190	189	192	212	214
Tropical orchids	.	109	119	124	128	130	136	141	152	157	161
Alstromeria	80	79	79	78	80	81	82	85	89	93	91
Gerbera	78	80	82	88	90	93	93	93	94	92	93
Other cut flowers	6 486	6 434	6 554	6 644	6 775	7 029	7 022	7 804	8 038	7 499	7 666
Cut foliage	573	581	609	647	655	661	687	714	710	713	742
Cut tree branches	3 621	3 625	3 620	3 674	3 629	3 631	3 659	3 667	3 718	3 703	3 707
Potted flowering plants	1 474	1 503	1 549	1 605	1 643	1 675	1 732	1 764	1 796	1 798	1 833
Cyclamen	160	162	167	177	181	188	189	194	203	210	210
Orchids	170	174	178	187	190	195	200	210	219	230	230
Foliage plants	265	262	271	294	304	304	320	315	323	330	320
Bedding plants	1 277	1 301	1 327	1 378	1 401	1 450	1 488	1 491	1 531	1 568	1 559
Bulbous plants	239	255	259	287	304	317	364	379	414	472	478
Seedlings for flower bed	.	.	1 327	1 378	1 401	1 450	1 488	1 491	1 531	1 570	1 560
Flowers in glass- or vinyl houses¹	.	.	.	6 062	.	6 589	.	6 500	.	8 089	.
Flowers in tunnels	.	.	.	.	.	.	.	.	.	.	.

Source: Statistics Bureau, Ministry of Internal Affairs and Communication, Japan Statistical Yearbook 2023, Chapter 8, Table 8-9
1 Years 2014 and 2015 Actual area of installed houses

Ornamental trees and shrubs

Area in hectares

	Planted area in hectares									
	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010
Azalea	242	303	317	345	357	348	359	355	392	430
Satsuki azalea	229	290	303	294	300	341	315	308	331	349
Camelia	73	89	96	106	111	115	132	135	160	168
Hiba aborvitae	189	214	220	227	239	256	272	275	287	314
Buxus	109	141	127	131	134	171	199	200	208	213
Ground cover plants	75	93	90	119	124	115	95	112	90	122
Ornamental trees and shrubs, total	2 777	3 460	3 618	3 785	3 914	4 178	4 689	4 834	5 201	5 562

Source: Statistics Department, Ministry of Agriculture, Forestry and Fisheries, Statistical Yearbook, Number 96, 2020/21
10 Ornamental trees and shrubs

Ornamental trees and shrubs

Number of farm households

	Number of farm households									
	2018	2017	2016	2015	2014	2013	2012	2011	2010	
Azalea	950	1 002	1 067	1 089	1 252	1 401	1 303	1 486	1 885	
Satsuki azalea	907	977	1 033	1 038	1 171	1 694	1 616	1 801	1 825	
Camelia	620	666	726	748	848	1 374	1 405	1 504	1 524	
Hiba aborvitae	421	401	451	448	517	844	878	944	958	
Buxus	728	721	752	804	892	1 327	1 296	1 420	1 548	
Ground cover plants	679	597	627	665	621	641	670	556	439	
Ornamental trees and shrubs, total	8 382	8 901	9 925	9 475	10 207	10 890	11 262	11 268	9 303	

Source: Statistics Department, Ministry of Agriculture, Forestry and Fisheries, Statistical Yearbook, Number 95, 2019/20
10 Ornamental trees and shrubs

Results Census of Agriculture and Forestry 2015/2020

Flowering plants, trees and shrubs

Area in ha, number of management entities

	2020	2015
Total area ¹	23 528	27 504
Management entities ²	42 784	54 830

¹ Cultivation land area classified by commercial farming

² Number of management entities by type of commercial farming

Source: Statistics of Japan, 2020 Census of Agriculture and Forestry

Cut Flowers

Shipment quantity in 1 000 pieces

	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011
Chrysanthemums	1 298 000	1 300 000	1 412 000	1 424 000	1 504 000	1 514 000	1 581 000	1 573 000	1 599 000	1 595 000	1 597 000
Lilies	114 800	115 500	124 000	130 300	137 600	138 500	139 700	144 100	148 400	148 900	155 000
Eustoma	85 400	88 000	97 100	98 300	101 000	100 900	98 100	100 000	102 100	101 900	101 000
Roses	194 400	200 800	221 200	236 000	248 200	257 200	269 900	276 500	286 900	287 700	300 400
Carnations	201 500	206 100	222 700	234 100	240 200	251 500	270 900	283 000	304 700	314 300	331 200
Gentiana	75 400	81 700	85 200	88 900	86 900	88 600	89 100	85 200	81 700		
Limonium	122 400	118 000	119 000	121 700	124 900	122 700	126 300	117 300	118 600	125 200	122 900
Tropical orchids		13 200	14 600	15 300	15 400	16 000	17 800	17 900	19 100	19 700	20 000
Alstromeria	56 200	54 300	57 500	54 700	55 500	55 200	57 900	60 300	59 600	63 100	62 000
Gerbera	122 600	127 000	136 600	143 400	157 700	165 300	163 000	165 000	165 800	161 700	165 100
Cut foliage	91 600	91 900	121 800	113 100	122 800	135 300	132 600	137 600	141 200	146 500	154 700
Cut tree branches	202 500	206 100	205 900	203 100	206 400	207 300	211 700	209 500	214 300	217 900	213 100
Potted flowering plants	188 600	191 000	205 000	209 600	221 200	226 500	229 600	233 600	244 100	247 300	253 900
Bulbous plants	74 200	73 700	76 300	85 600	91 100	95 400	102 000	108 100	112 100	126 600	134 000
Bedding plants	554 400	565 600	579 000	598 400	609 600	649 300	666 000	692 400	710 900	714 500	708 600

Source: „Statistics on Production and Shipment of Flowers” by the Statistics Department of MAFF in Statistics Department, Ministry of Agriculture, Forestry and Fisheries, Statistical Yearbook, Number 97, 2021/22

¹3 Marketing of Agricultural, Forestry and Fishery Products; Marketing Quantity and Price of Vegetables, Fruits and Flowers, table n634_635 and table n636_637

Ornamental trees and shrubs

Shipment quantity in 1 000 pieces

	2020 ¹	2019 ¹	2018 ¹	2017	2016	2015	2014	2013	2012	2011
Azalea	3 937	4 575	5 432	5 689	5 924	5 885	6 922	7 000	7 413	7 179
Satsuki azalea	3 818	4 571	6 028	6 198	6 412	6 561	6 853	7 289	7 602	7 213
Camelia	563	617	756	813	876	928	997	1 177	1 375	1 486
Hiba arborvitae	3 385	3 642	3 945	4 084	4 116	4 431	4 943	5 553	5 368	8 093
Buxus	2 167	1 570	1 828	1 633	1 699	1 795	2 162	2 603	2 260	2 196
Ground cover plants	4 011	3 406	23 904	21 208	24 861	29 328	29 897	28 548	30 174	31 529

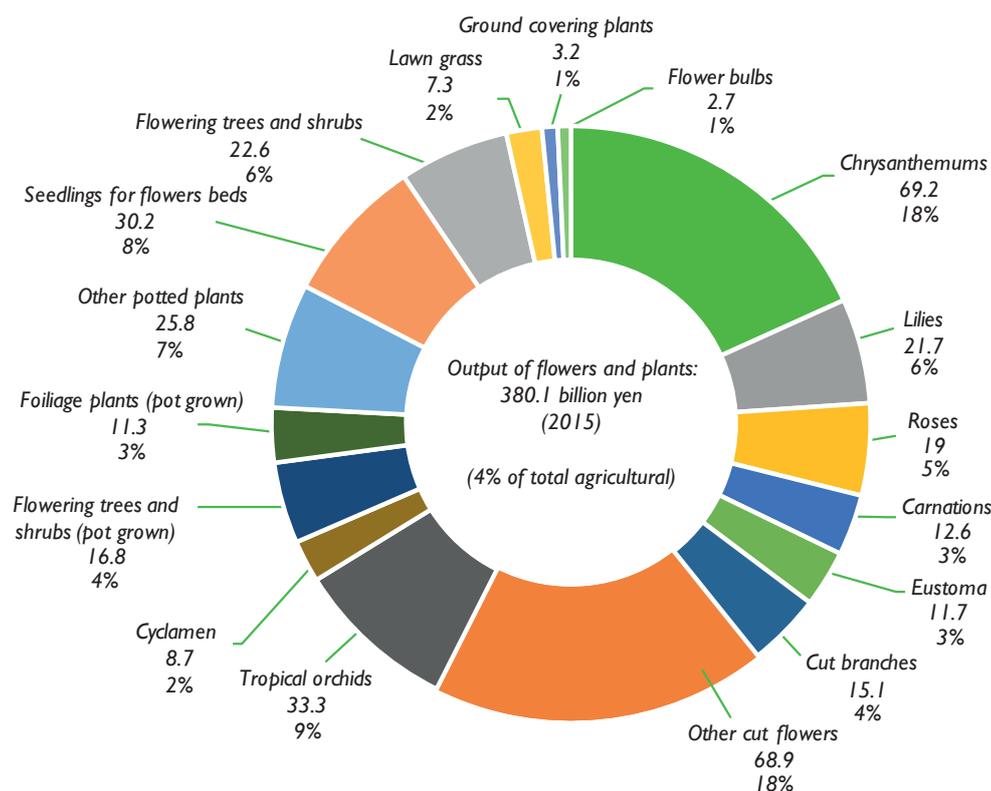
Source: „Statistics on Production and Shipment of Flowers” by the Statistics Department of MAFF in Statistics Department, Ministry of Agriculture, Forestry and Fisheries, Statistical Yearbook, Number 97, 2021/22

¹3 Marketing of Agricultural, Forestry and Fishery Products; Marketing Quantity and Price of Vegetables, Fruits and Flowers, table n638_639

¹ Data revised

Gross output of flowers and plants 2015

In billion Yen, in %



Source: Current Status of Flowers and Plants in Japan, Ministry of Agriculture, Forestry and Fisheries

JAPAN – External trade ornamental horticultural products

Imports – Flowers and plants, value in 1 000 EUR

	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
Cut flowers and flower buds (HS-Code 0603)	293 723	315 137	291 373	284 446	321 940	308 962	308 577	313 847	291 648	266 311	290 675
Live plants (including their roots) (HS-Code 0602)	96 777	109 481	105 363	99 351	102 077	94 657	96 095	94 418	86 509	78 141	77 907
Foliage, branches and other parts of plants (HS-Code 0604)	60 514	67 824	60 695	57 506	65 622	60 850	62 140	66 213	64 217	55 455	57 855
Bulbs, tubers, corms, etc. (HS-Code 0601)	48 528	51 577	46 561	43 888	47 027	49 098	51 653	53 144	55 891	55 705	58 230
Total	499 542	544 019	503 291	485 191	536 666	513 567	518 465	527 622	498 265	455 612	484 667

Source: ITC Trade map, 2024

Imports – Cut flowers, in 1 000 EUR

	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
Colombia	72 426	84 232	70 479	66 328	70 575	71 905	73 867	70 238	69 188	61 799	62 790
Malaysia	43 472	46 221	53 493	61 739	75 488	67 049	67 087	69 518	65 457	66 046	75 106
China	50 788	49 616	43 286	39 986	40 516	38 646	36 670	37 524	32 037	27 371	32 499
Vietnam	39 614	39 994	34 675	31 127	30 583	26 732	26 057	27 495	24 194	18 814	17 381
Chinese Taipei	33 717	33 841	31 545	29 103	33 540	32 187	31 982	30 980	26 742	25 442	27 084
Thailand	14 972	16 227	14 879	15 559	18 994	17 955	18 849	22 949	22 403	20 460	22 467
Ecuador	11 409	12 632	10 646	11 378	12 525	13 927	13 250	14 773	14 186	10 005	8 800
Kenya	8 918	9 686	8 020	5 974	8 507	8 783	9 478	9 440	8 761	7 510	8 475
South Africa	5 106	6 712	6 227	4 432	5 006	4 452	3 552	3 361	2 429	2 227	2 512
Ethiopia	3 293	3 770	4 372	5 614	6 944	4 127	2 054	934	580	226	419
New Zealand	1 948	2 737	2 932	3 143	4 211	4 468	5 275	6 258	7 127	6 240	7 730
Korea, Republic of	1 006	1 736	2 544	3 081	3 299	4 537	6 090	6 252	6 432	8 298	11 110
Australia	1 370	1 907	2 445	2 079	2 683	2 959	2 739	2 298	1 677	1 912	2 296
Netherlands	701	1 295	1 979	2 042	3 289	3 992	4 567	5 268	4 437	4 518	5 988
USA	598	746	712	435	1 008	811	829	745	774	569	873
Italy	480	726	647	584	784	860	571	323	262	278	258
Uganda	630	603	531	329	436	304	170	5	.	23	7
Others	3 275	2 456	1 961	1 515	3 550	5 267	5 494	5 488	4 966	4 571	4 878
Total	293 723	315 137	291 373	284 446	321 940	308 962	308 577	313 847	291 648	266 311	290 675

Source: ITC Trade map, 2024

AREA AND PRODUCTION

Country pages

Imports – Live plants, value in 1 000 EUR

Partner country	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
China	22 204	29 208	34 335	32 675	28 725	23 958	21 242	19 585	18 315	15 765	15 199
Chinese, Taipei	32 355	35 238	32 299	32 346	36 235	31 181	32 476	33 214	30 593	27 004	27 323
Netherlands	6 872	8 833	8 147	7 522	9 653	10 321	10 084	10 359	8 968	8 962	8 879
Vietnam	5 513	6 005	4 203	3 799	3 037	5 237	6 138	5 406	4 520	3 641	3 202
Thailand	3 639	3 300	3 010	2 181	2 800	2 840	2 941	2 797	2 694	2 295	2 482
Spain	2 520	2 388	2 228	2 489	2 908	2 867	2 784	2 941	2 446	2 519	2 784
Kenya	2 421	2 322	2 199	1 924	1 845	1 648	1 801	1 713	1 331	1 106	979
Indonesia	1 280	1 668	1 562	1 734	1 929	2 064	2 314	2 310	2 152	2 260	1 918
Singapore	1 105	1 544	1 542	1 602	1 412	1 434	1 493	1 514	1 670	1 658	1 782
India	1 602	1 515	1 394	1 163	1 184	1 024	1 137	1 082	886	783	880
Sri Lanka	1 217	1 333	1 217	947	955	933	1 046	936	930	776	758
Costa Rica	942	1 457	1 184	1 097	1 091	1 045	1 269	1 183	1 478	1 317	1 545
Korea, Republic of	859	1 189	1 144	1 008	1 025	981	1 433	1 570	1 552	1 599	1 525
Guatemala	897	1 090	1 081	917	923	1 116	1 440	1 621	1 407	706	664
Others	13 351	12 391	9 818	7 950	8 362	8 009	8 494	8 185	7 567	7 750	7 983
Total	96 777	109 481	105 363	99 351	102 077	94 657	96 095	94 418	86 509	78 141	77 907

Source: ITC Trade map, 2024

Imports – Cut foliage, in 1 000 EUR

Partner country	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
China	31 374	36 399	32 482	32 874	34 094	31 829	32 695	36 613	34 932	29 752	30 079
Malaysia	7 993	8 061	8 074	8 061	9 985	9 737	10 391	10 706	10 114	9 553	10 292
Ethiopia	4 217	4 294	4 018	1 736	3 426	1 957	1 878	2 338	1 568	885	501
Indonesia	3 532	3 772	3 137	2 679	2 835	2 414	2 137	2 383	2 245	1 800	2 253
Kenya	2 217	2 521	2 294	1 476	1 627	1 661	1 771	1 768	1 863	1 922	2 438
USA	2 011	2 386	1 847	1 860	2 205	2 122	2 483	2 376	2 436	2 173	2 113
Sri Lanka	1 312	1 399	1 230	1 107	1 485	1 398	1 304	1 382	1 415	1 241	1 313
Israel	1 219	1 401	1 134	912	901	693	713	719	736	550	691
Guatemala	1 029	1 287	1 122	1 405	1 533	1 913	1 931	1 578	2 038	1 447	1 046
Ecuador	1 024	1 052	870	1 349	1 420	1 535	1 637	1 406	1 944	1 901	1 925
Italy	556	574	828	618	871	725	623	708	581	600	685
Mexico	611	692	545	581	544	376	350	264	218	241	257
Others	3 419	3 986	3 113	2 842	4 689	4 493	4 228	3 974	4 133	3 394	4 261
Total	60 514	67 824	60 695	57 506	65 622	60 850	62 140	66 213	64 217	55 455	57 855

Source: ITC Trade map, 2024

Exports – Flowers and plants, value in 1 000 EUR

	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
Live plants, cuttings & slips (HS-Code 0602)	43 440	56 153	55 891	89 011	78 267	93 865	101 579	68 822	58 650	59 367	75 032
Cut flowers and flower buds (HS-Code 0603)	11 469	11 082	10 358	6 660	7 248	6 816	6 807	5 971	3 821	2 423	1 289
Foliage, branches etc. (HS-Code 0604)	990	1 268	1 424	1 001	898	708	710	509	364	247	181
Bulbs, tubers, corms, etc. (HS-Code 0601)	307	515	380	526	591	626	515	585	803	937	842
Total	56 206	69 018	68 053	97 198	87 004	102 015	109 611	75 887	63 638	62 974	77 344

Source: ITC Trade map, 2024

Export – Live plants, value in 1 000 EUR

	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
China	19 296	19 734	22 850	54 670	55 252	55 877	50 417	37 674	30 747	20 138	25 826
Vietnam	13 332	26 003	18 663	17 862	10 885	22 679	26 858	11 514	6 489	14 680	23 833
Chinese, Taipei	2 703	2 188	4 003	4 109	4 603	4 613	6 131	5 604	6 431	6 877	5 120
Hong Kong	227	257	3 088	8 108	1 721	3 887	11 369	6 038	8 505	13 490	15 672
USA	537	1 138	1 560	514	320	494	385	383	384	265	324
Italy	2 014	1 977	1 385	528	1 195	1 658	2 132	3 234	2 605	1 235	1 547
Netherlands	1 455	1 135	1 060	632	760	577	676	638	606	542	388
Germany	836	811	659	402	891	488	818	927	492	600	537
Singapore	766	616	596	461	622	331	575	750	556	473	212
Others	2 274	2 294	2 031	1 725	2 021	3 262	2 218	2 061	1 835	1 066	1 574
Total	43 440	56 153	55 891	89 011	78 267	93 865	101 579	68 822	58 650	59 367	75 032

Source: ITC Trade map, 2024

KENYA

Economic indicators 2023

Population:	55.1 millions
Surface area:	580 400 km ²
Population density:	93 people per km ²
Gross national income ¹ :	116 in billion \$
- per capita:	in \$
Purchasing power parity: (Gross national income)	343 in billion \$
- per capita:	6 220 per capita in \$
Gross domestic product:	5.4 % growth
Gross domestic product:	3.4 per capita % growth

¹ Atlas method

Source: Worldbank, 2024, World Development Indicators

Cut flowers

Area in hectares

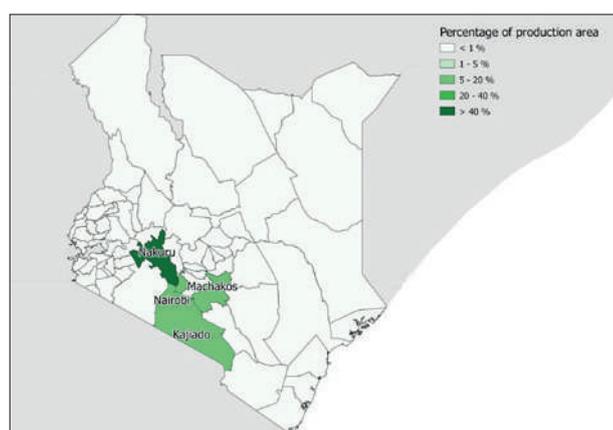
	2012	2011	2010
Roses	2 164	2 597	2 674
Carnations	252	157	160
Hypericum	80	78	n.s
Arabicum	140	92	286
Easter lilies	1 073	24	152
Asclepias fruticosa	55	52	25
Alstromeria	38	55	55
Eryngium	176	56	20
Anthurium	3	7	n.s
Other cutflowers	155	26	n.s
Total	4 039	3 213	3 419

Source: Horticultural Crops Development Authority (HCDA)

Distribution of production area in 2012

Production of cut flowers in selected counties

Total: 2 496 ha



Source: Horticultural Crops Development Authority (HCDA)

Cut flowers	Production area	
	In ha	In %
Total	2 496	100
Nakuru	1 556	62
Kiambu	444	18
Kajiado	355	14
Machakos	127	5
Nairobi	14	1

KENYA – External trade ornamental horticultural products

Exports – Flowers and plants, value in 1 000 EUR

	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
Cut flowers and flower buds (HS-Code 0603)	617 246	600 531	613 311	501 324	521 841	486 866	478 739	460 487	431 288	416 036	361 466
Live plants, cuttings & slips (HS-Code 0602)	57 934	61 676	66 674	54 923	52 531	42 763	48 097	41 576	42 609	50 131	42 755
Foliage, branches etc. (HS-Code 0604)	1 029	916	680	409	824	146	268	240	268	234	231
Bulbs, tubers, corms, etc. (HS-Code 0601)	2	82	16	4	40	50	107	46	350	670	559
Total	676 211	663 205	680 681	556 660	575 236	529 825	527 211	502 349	474 515	467 071	405 011

Source: ITC Trade map, 2024

AREA AND PRODUCTION

Country pages

Exports – Cut flowers, value in 1 000 EUR

Partner country	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
Netherlands	252 894	255 650	266 815	229 634	255 561	245 285	249 000	244 840	222 313	216 909	188 299
United Kingdom	106 432	104 324	119 831	103 451	92 319	80 823	75 369	76 705	82 019	80 089	69 909
Germany	26 023	25 519	30 184	26 057	24 715	20 295	17 590	17 451	16 508	16 054	16 668
Saudi Arabia	38 731	39 700	27 796	17 623	18 134	13 872	13 113	12 647	8 312	4 602	2 417
Russian Federation	853	9 905	27 656	19 216	17 750	18 834	18 349	13 238	13 187	16 518	15 950
United Arab Emirates	30 238	27 962	23 286	15 799	18 043	16 092	13 175	12 098	11 097	7 788	5 582
Norway	21 491	20 036	19 345	21 462	17 916	17 260	17 859	16 467	14 560	12 208	10 597
Australia	12 441	13 966	10 827	9 645	12 303	12 504	11 953	11 464	11 951	17 572	15 325
Congo, Democratic Republic of the	147	101	10 367	61	102	55	31	47	43	56	20
Switzerland	10 237	9 544	9 717	7 957	6 866	6 244	5 756	6 206	5 602	4 734	4 730
France	8 242	8 579	8 136	5 908	6 601	6 258	5 689	5 586	5 572	5 123	2 914
Japan	6 427	7 427	7 406	4 806	6 138	6 585	6 669	6 397	6 743	6 402	7 716
Sweden	3 936	4 266	5 265	4 743	5 109	5 445	5 554	5 419	5 018	5 210	4 845
Kuwait	5 500	5 579	4 486	2 262	1 435	1 150	1 026	1 029	784	616	177
Italy	4 265	4 286	4 247	3 634	4 672	4 639	3 491	3 157	2 419	2 067	1 868
Oman	4 473	4 679	3 714	3 225	2 402	1 875	1 970	1 744	808	479	403
South Africa	4 608	4 525	3 664	2 346	3 285	2 679	2 048	1 745	2 686	2 027	1 285
Others	80 308	54 483	30 540	23 495	28 495	26 973	30 106	24 248	21 670	17 585	12 773
Total	617 246	600 531	613 282	501 324	521 841	486 866	478 739	460 487	431 288	416 036	361 466

Source: ITC Trade map, 2024

Exports – Cut flowers, value in 1 000 EUR

	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
Roses	434 702	439 924	465 788	405 508	436 046	408 653	396 608	371 056	360 159	349 790	299 923
Carnations	8 558	7 193	4 824	3 533	6 335	7 583	8 699	8 298	11 662	15 044	14 873
Orchids	6	1	21	3	1	26	8			9	8
Chrysanthemums	4 598	3 691	3 326	949	1 045	249	46	29	32	45	129
Lilies	181	115	85	75	234	390	424	463	1 410	1 822	1 110
Other cut flowers, fresh	166 842	147 141	136 871	89 516	76 770	68 188	71 182	71 533	53 840	46 146	44 837
Cut flowers, treated	2 360	2 467	2 395	1 739	1 310	1 777	1 772	9 107	4 184	3 178	1 587
Total	617 247	600 532	613 310	501 324	521 841	486 866	478 739	460 486	431 287	416 034	361 467

Source: ITC Trade map, 2024

Exports – Cut flowers and plants, volume in t, value in 1 000 EUR

	2021	2017	2016	2015	2014	2013	2012	2011	2010	2009
Volume (in metric tonnes)	103 662	159 961	133 658	122 800	136 601	124 858	123 511	121 891	120 221	117 713
Value (in billion KES)	57	83	70,80	69,92	54,60	46,33	42,87	44,51	35,50	36,7
Value in 1 000 EUR	415 158	704 784	633 588	642 620	470 109	403 846	392 414	359 156	339 124	340 508

Source: Kenya Flower Council

KOREA, REPUBLIC OF

Flowers and plants

Area in hectares

	2022 ¹	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012
Cut flowers	.	.	1 224	1 183	1 215	1 314	1 364	1 459	1 551	1 641	1 724
Pot plants	.	.	743	732	746	788	830	905	922	970	1 006
Flowering trees	.	.	773	775	807	921	996	1 068	1 142	1 187	1 149
Flowering plants	.	.	195	202	175	210	214	349	352	355	352
Ornamental trees	.	.	1 314	1 306	1 363	1 648	1 903	1 995	2 207	2 235	2 141
Total	4229	4 218	4 299	4 244	4 353	4 936	5 365	5 831	6 222	6 430	6 372
Number of farms	7134	7 009	7 069	6 824	6 918	7 421	7 837	8 328	8 688	9 147	9 450

Source: Ministry for Food, Agriculture, Forestry and Fisheries; agricultural office

¹ Source: Korean Statistical Information Service (KOSIS), Statistical Database, 2024

Production in greenhouses

Area in hectares

	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012
Flowering plants in greenhouses	2 405	2 387	2 611	2 716	2 818	2 535	2 343	2 893	2 958	2 939	3 132

Source: Korean Statistical Information Service (KOSIS), Statistical Database, 2023

Cut flowers

Area in hectares, quantity in million pieces

	2020		2019		2018		2017		2016		2015		2014		2013		2012	
	Area	Pieces	Area	Pieces	Area	Pieces	Area	Pieces	Area	Pieces	Area	Pieces	Area	Pieces	Area	Pieces	Area	Pieces
Roses	239	101	247	105	282	123	293	118	292	150	306	144	332	177	353	200	377	198
Chrysanthemums	303	112	309	134	314	126	341	131	374	156	405	174	440	199	489	233	527	270
Lilies	78	14	91	17	95	18	125	20	136	27	161	29	182	33	178	40	192	41
Carnations	39	22	47	22	50	24	49	26	62	35	77	41	72	43	82	46	82	46
Gypsophila	65	12	66	12	52	8	53	9	40	8	39	3	39	4	42	4	52	5
Gerbera	23	15	21	18	25	22	30	23	42	34	46	38	54	42	60	50	68	47
Freesia	65	20	39	28	33	22	33	21	34	15	40	25	38	35	35	22	37	24
Gladioli	14	3	15	4	14	4	17	5	16	3	17	3	19	4	21	4	23	5
Snapdragons	9	5	14	7	14	7	14	8	20	14	21	14	26	19	27	19	24	19
Statice	12	2	12	2	13	2	17	3	12	2	12	2	11	2	12	2	10	2
Calla	8	2	8	2	7	2	9	2	10	2	13	2	13	2	12	4	14	6
Lisianthus	21	5	21	5	20	5	18	4	17	4	19	4	23	8	23	8	14	6
Iris	2	1	1	1	2	1	3	1	4	2	4	2	5	1	5	1	5	2
Marigold	4	1	4	1	4	1	4	1	8	1	9	1	10	1	10	1	10	1
Tulip	11	5	8	4	5	7	6	4	6	4	5	2	8	4	8	5	6	4
Solidaster	7	2	7	2	8	2	7	2	6	0	7	1	8	1	8	1	7	0
Sunflower	7	1	5	1	5	1	3	0	3	1	3	1	4	1	5	1	4	1
Stok	21	3	18	3	17	4	26	4	22	3	21	4	19	5	18	4	18	4
Alstroemeria	12	5	13	5	13	5	13	7	15	5	15	6	13	5	12	5	11	7
Aster	2	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	2	0
Bird of paradise	2	0	2	0	2	0	2	0	2	0	3	0	3	0	4	0	5	0
Liatris	0	0	0	0	0	0	0	0	1	0	3	0	2	0	7	0	6	0
Pink	5	0	3	1	4	1	4	1	3	1	2	0	3	0	3	0	3	0
Others	228	33	203	31	134	39	192	41	188	38	173	33	155	26	168	26	227	0
Total	1 224	370	1 183	415	1 215	433	1 314	440	1 364	514	1 459	540	1 551	626	1 641	688	1 724	726

Source: Ministry for Food, Agriculture, Forestry and Fisheries; agricultural office

Sales value

In million EUR

	2020	2019	2018	2017	2016	2015	2014	2013	2012
Cut flowers	126	132	133	136	132	162	197	195	184
Ornamental plants, total	392	385	400	421	417	471	524	548	538

Source: Ministry for Food, Agriculture, Forestry and Fisheries; agricultural office

MALAYSIA

Flowers and plants

Area by regions in hectares

	2022	2021	2020	2019	2018	2017	2016	2015	2014
Peninsular Malaysia	2 439	2 407	2 485	2 556	2 509	2 464	2 421	2 469	2 483
Sabah	64	63	60	62	61	60	59	60	57
Sarawak	77	76	74	76	74	73	72	74	72
Labuan Federal Territory	8	8	8	8	8	8	8	8	7
Total	2 588	2 554	2 628	2 702	2 652	2 605	2 559	2 610	2 619

Source: Perangkaan Agromakanan, Ministry of agriculture and food industry, Malaysia, 2024

Flowers and plants

Area, production and production value in ha, million pieces and million RM

	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012
Planted Area (in ha)	2 588	2 554	2 627	2 702	2 652	2 605	2 559	2 610	2 619	2 570	2 227
Production (in million cutting/pot/plant)	355 424	348 327	402 409	528 096	518 249	509 086	500 084	510 290	498 967	484 434	419 990
Production value (in million RM)	236	231	267	350	344	338	332	338	331	321	258

Source: Perangkaan Agromakanan, Ministry of agriculture and food industry, Malaysia, 2024

AREA AND PRODUCTION

Country pages

Flowers and plants

Number of planted Plants

	2022	2021	2020	2019	2018	2017	2016
Orchid	30 901	30 284	34 986	45 914	45 058	44 261	43 478
Non Orchid	98 687	96 716	111 733	146 631	143 897	141 353	138 854
Foliage	29 384	28798	33269	43 660	42 846	42 088	41 344
Ornamental Plants	23 694	23220	26826	35 204	34 548	33 937	33 337

Total Prpduction (Cuts, Pots, Plants)

	2022	2021	2020	2019	2018	2017	2016
Orchid	133 733	131 062	151 412	198 703	194 998	191 550	188 163
Non Orchid	134 672	131 983	152 475	200 099	196 368	192 896	189 485
Foliage	78 925	77 349	89 359	117 268	115 082	113 047	111 048
Ornamental Plants	8 094	7 932	9 164	12 026	11 802	11 593	11 388

Total Production Value (in RM)

	2022	2021	2020	2019	2018	2017	2016
Orchid	66 866	65 531	75 706	99 352	97 499	95 775	94 082
Non Orchid	68 683	67 311	77 762	102 050	100 148	98 377	96 637
Foliage	69 454	68 067	78 636	103 196	101 272	99 481	97 722
Ornamental Plants	30 756	30 142	34 822	45 698	44 846	44 053	43 274

Source: Perangkaan Agromakanan, Ministry of agriculture and food industry, Malaysia, 2024

MEXICO

Cut flowers

Area in hectares

	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
Cut flowers under protection											
Roses	1 134	1 178	1 176	1 173	1 028	1 132	1 127	1 121	769	794	798
Lilies	248	181	246	175	174	143	281	251	198	195	186
Gerbera	114	114	114	114	116	110	102	96	88	91	97
Carnations	.	.	.	.	20	20	19	19	4	7	5
Solidago	.	.	.	.	2	13	15	14	11	11	45
Chrysanthemums	115	142	148	140	127	113	115	113	122	121	107
Cut flowers in the open											
Gladiolus	4 580	4 517	4 156	4 558	4 638	4 668	4 606	4 580	3 983	3 927	4 088
Chrysanthemums	2 682	2 665	2 629	3 063	2 552	2 569	2 650	2 656	2 343	2 492	2 564
Gypsophila	.	.	.	.	792	610	655	605	604	559	587
Roses	528	585	575	569	729	550	619	610	616	635	662
Carnations	.	.	.	.	605	620	547	447	451	454	454
Helianthus	.	.	.	.	652	757	708	728	363	298	262
Tuberose	.	.	.	.	346	366	351	369	369	282	265
Heliconia	.	.	.	.	202	232	231	205	201	225	219
Statice (Limonium)	.	.	.	.	362	326	348	384	141	148	159
Aster	.	.	.	.	119	36	127	125	115	113	112
Snapdragon (Antirrhinum)	.	.	.	.	100	90	159	450	96	101	99
Alstroemeria	.	.	.	.	77	75	70	69	64	67	69
Silver Dollar	.	.	.	.	61	59	59	59	59	64	64
Agapanthus	.	.	.	.	218	274	254	180	175	97	95
Cut foliage											
Chamaedorea	.	.	.	.	1 577	1 591	1 592	1 607	1 620	1 533	1 497
Ferns	.	.	.	.	80	49	51	79	52	32	32

Pot plants and christmas trees

Area in hectares

	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
Pot plants in greenhouses											
Poinsettia	.	.	.	.	288	275	262	268	250	225	217
Geranium	40	.	.	.	40	47	46	44	34	29	34
Cineraria	.	.	.	.	14	12	11	12	9	9	9
Cyclamen	.	.	.	.	14	14	13	13	10	10	10
Petunia	15	.	.	.	16	16	15	11	10	8	10
Kalanchoe	.	.	.	.	9	10	9	8	4	5	5
Zempoalxochitl	.	.	.	.	3	10	3	11	14	12	12
Rose plants	.	.	.	.	.	23	32	12	22	19	40
Orchids	.	.	.	.	3	45	45	45			
Christmas trees	1 312	1 068	1 309	1 155	1 169	1 151	1 042	858	659	671	741

Source: Servicio de información Agroalimentaria y Pesquera Mexico, 2024

NETHERLANDS

Economic indicators 2023

Population:	17.9 millions
Surface area:	41 500 km ²
Population density:	521 people per km ²
Gross national income ¹ :	1 085 in billion \$
- per capita:	60 670 in \$
Purchasing power parity:	1 390 in billion \$
(gross national income)	
- per capita:	77 750 per capita in \$
Gross domestic product:	0.1 % growth
Gross domestic product:	-0.9 per capita % growth

¹ Atlas method

Source: Worldbank, 2024, World Development Indicators

Production value at basic price

Value at current prices (In million EUR)

Year	Flowers and plants	Nursery stock	Ornamental plants and flowers ¹
2023e	7 585		
2022p	7 754	4 984	2 664
2021	8 132	5 206	2 828
2020	6 939	4 576	2 260
2019	6 880	4 398	2 380
2018	6 777	4 349	2 331
2017	7 022	4 487	2 435
2016	6 812	4 251	2 440
2015	6 578	4 103	2 373
2014	6 506	4 051	2 342
2013	6 421	4 014	2 329
2012	6 193	3 829	2 292
2011	6 215	3 937	2 207

¹ incl. Christmas trees e: estimated p: provisional

Source: Eurostat

AREA AND PRODUCTION

Country pages

Flowers and plants

Area in hectares, under protection and in the open

	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012
Flowers and plants under protection, total	4 090	4 210	4 060	3 920	3 810	3 500	3 592	3 817	3 915	4 138	4 396	4 555
Cut flowers, total	1 850	1 960	1 980	1 900	1 800	1 640	1 692	1 859	1 877	2 042	2 139	2 308
Chrysanthemums	480	500	470	450	430	370	334	383	391	475	479	504
Roses	160	170	170	200	200	230	228	257	283	311	384	407
Gerberas	160	170	170	160	160	160	167	188	161	176	169	170
Lilies	190	190	190	180	150	110	136	138	167	171	189	196
Hortensia	140	150	140	120	120	100	75	.	.	.	.	.
Orchids	90	100	110	110	120	110	13	161	168	195	212	213
Hippeastrum	100	110	110	100	90	80	61	.	.	.	.	.
Freesias	70	70	70	60	60	60	66	78	74	85	97	103
Anthurium	30	40	40	40	40	40	46	41	47	58	65	77
Alstroemeria	40	40	40	40	40	30	39	38	40	50	54	65
Eustoma	40	70	50	40	40	30	33	33	38	39	40	45
Paeonia	40	40	40	40	30	30	15	.	.	.	.	.
Carnations	10	10	10	10	10	10	11	11	14	15	15	16
Other cut flowers	300	300	300	310	280	280	344	532	494	466	434	510
Pot plants, total	1 740	1 700	1 470	1 420	1 420	1 330	1 317	1 327	1 340	1 292	1 304	1 351
Flowering plants	1 150	1 150	960	960	1 030	950	950	936	914	882	868	867
Foliage plants	590	550	510	460	390	380	367	391	420	410	436	485
Bedding plants	250	270	370	370	330	310	312	330	369	406	445	447
Amaryllis bulbs	.	.	.	.	.	.	20	45	57	57	64	68
Other	100	110	80	80	90	90	101	97	132	196	296	254
Young plants	120	130	130	130	130	120	126	133	119	117	118	101
Seeds	20	30	20	20	20	20	23	24	28	29	30	25
Flowers and plants in the open, total	3 660	3 980	3 810	3 540	3 270	3 370	3 108	2 756	2 801	2 710	2 910	2 910
Cut flowers, total	2 760	2 970	2 810	2 760	2 620	2 670	2 465	.	.	.	.	.
Gladiolus	160	140	150	130	170	120	126	.	.	.	.	.
Lilies	100	80	100	100	110	90	125	.	.	.	.	.
Tulips	30	70	50	40	60	60	101	.	.	.	.	.
Chrysanthemums	70	100	100	90	80	90	68	.	.	.	.	.
Paeonia	1 290	1 290	1 180	1 100	950	940	60	.	.	.	.	.
Dahlias	40	30	30	50	30	40	32	.	.	.	.	.
Narcissus	20	10	20	20	20	20	32	.	.	.	.	.
Hyacinths	.	.	.	10	.	10	28	.	.	.	.	.
Other cut flowers	1 060	1 250	1 190	1 220	1 210	1 300	1 372	.	.	.	.	.
Seeds	610	740	690	570	460	470	428	409	420	340	360	350
Other flowers and pot plants	290	280	310	210	190	230	215	2 346	2 384	2 370	2 550	2 560

1 Provisional data

2 Data revised

Source: Centraal Bureau voor de Statistiek (CBS), 2024

Flower bulbs and tubers

Area in hectares

Spring flowering bulbs	2023/24 ¹	2022/23 ²	2021/22	2020/21	2019/20	2018/19	2017/18	2016/17	2015/16	2014/15	2013/14
Tulips	13 199	13 510	13 248	12 866	13 206	12 880	12 680	12 041	11 790	10 881	10 412
Narcissi	1 389	1 357	1 308	1 312	1 327	1 286	1 316	1 353	1 454	1 508	1 505
Hyacinths	1 070	1 129	1 284	1 244	1 233	1 233	1 233	1 307	1 300	1 351	1 345
Crocuses	313	316	289	275	287	322	352	360	395	421	430
Iris	144	151	176	166	161	203	210	209	234	264	259
Muscari	177	183	169	159	164	170	162	159	173	168	160
Allium	343	355	339	304	298	270	239	226	228	223	214
Scilla	24	23	24	21	15	20	20	20	24	32	30
Anemone blanda	19	21	20	23	22	20	21	23	24	27	28
Chionodoxa	23	21	21	19	23	21	19	18	19	21	27
Hyacinthoides	15	14	14	14	14	14	13	12	13	13	15
Nectaroscordum	11	11	12	11	10	10	9	8	7	6	6
Puschkinia	10	8	8	8	8	6	6	6	6	6	6
Total	16 910	17 244	17 029	16 540	16 887	16 454	16 281	15 742	15 667	14 921	14 437
Summer flowering bulbs	2023¹	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
Gladioli	663	716	586	528	584	637	625	629	661	636	735
Lilies	4 440	4 471	4 168	3 763	4 273	4 439	4 532	4 299	4 233	3 895	3 611
Bulb flowers, total	22 013	21 839	21 281	21 069	21 322	21 357	20 899	20 595	19 815	18 968	18 615

1 Provisional data 2 Data revised

Source: Bloembollenkeuringsdienst (BKD), 2024

Nursery stock and hardy perennial plants

Area in hectares

	2023 ¹	2022 ²	2021	2020	2019	2018	2017	2016	2015	2014	2013
In the open	16 530	17 230	17 030	16 710	16 700	16 880	16 960	17 293	17 713	17 068	17 016
Nursery stock	15 010	15 500	15 390	15 220	15 230	15 430	15 422	15 563	15 984	15 663	15 629
Forest plants, hedges	2 930	3 050	2 980	2 720	2 620	2 690	2 758	2 879	2 880	2 506	2 596
Ornamental trees	4 970	4 900	4 770	4 750	4 680	4 700	4 583	4 535	4 666	4 593	4 566
Fruit trees	1 360	1 540	1 610	1 580	1 630	1 630	1 608	1 639	1 662	1 671	1 589
Rose bushes	290	320	320	320	320	350	360	422	444	462	455
Ornamental conifers	2 700	2 930	2 990	3 130	3 280	3 230	3 151	3 055	3 047	3 113	3 163
Climbing plants, shrubs	1 980	1 900	1 850	1 790	1 660	1 620	1 679	1 624	1 690	1 603	1 601
Buxus	540	610	630	690	820	980	1 046	1 159	1 358	1 544	1 502
Shrubs for cutting	240	250	240	240	220	230	237	250	239	171	156
Hardy perennial plants	1 510	1 730	1 620	1 500	1 450	1 440	1 538	1 730	1 729	1 405	1 387
Container area	.	.	.	.	.	.	.	.	.	.	.
Under protection	510	560	570	470	490	380	401	459	473	470	483
Nursery stock and hardy perennials, total	17 040	17 790	17 600	17 180	17 190	17 250	17 361	17 752	18 186	17 538	17 499

¹ Provisional data ² Data revised

Source: Centraal Bureau voor de Statistiek (CBS), 2024

Cut flowers, pot plants and bedding plants

Number of enterprises

	2023 ¹	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
Under protection											
Bedding plants	140	140	260	250	220	210	255	266	290	351	391
Green pot plants	290	280	270	240	220	200	219	241	255	275	298
Flowering pot plants	480	480	400	410	420	380	379	393	411	420	447
Cut flowers	890	940	1 030	1 010	960	830	933	1 028	1 132	1 217	1 280
Other flowers and ornamental plants	90	90	110	130	130	140	165	197	225	304	423
Young plants and seeds	60	80	110	110	110	100	101	124	180	160	161
In the open											
Cut flowers	860	890	880	880	840	810	830	.	.	.	.
Seeds	240	230	220	180	170	150	146	148	169	126	126
Other flowers and ornamental plants	130	130	120	110	110	110	100	920	1 000	1 130	1 220

¹ Provisional data

Source: Centraal Bureau voor de Statistiek (CBS), 2024

Nursery stock and perennial plants

Number of enterprises

	2023 ¹	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
Under protection											
Nursery stock and perennial plants, total	510	570	630	600	560	460	539	612	690	720	776
Seeds and young plants	290	320	370	360	350	270	321	378	441	469	504
Complete production under protection	350	390	420	390	350	300	350	386	425	439	478
In the open											
Nursery stock and perennial plants, total	2 860	2 770	2 750	2 770	2 750	2 810	2 969	3 068	3 260	3 074	3 149
Perennial plants	490	500	480	470	450	460	494	525	728	730	806

¹ Provisional data

Source: Centraal Bureau voor de Statistiek (CBS), 2024

Flower bulbs

Number of enterprises

	2023 ¹	2022 ²	2021	2020	2019	2018	2017	2016	2015	2014	2013
Flower bulbs	1 640	1 620	1 580	1 510	1 560	1 630	1 654	1 622	1 551	1 516	1 531

¹ Provisional data ² Data revised

Source: Centraal Bureau voor de Statistiek (CBS), 2024

AREA AND PRODUCTION

Country pages

Netherlands – External trade ornamental horticultural products

Exports from Netherlands in 2023 by value in 1 000 EUR				
Cutflowers	4 958 222	Cutflowers, fresh	4 618 214	Cutflowers, fresh, different species (2420 198) / Roses, fresh cut (1390 992) / Chrysanthemums, fresh cut (416 027)
		Cutflowers, treated	340 008	Cutflowers, treated (340 008)
Live plants (with roots) and cuttings (without roots)	4 570 091	Live plants (excl. Fruit trees and bushes)	4 315 078	Green/foilage plants (indoor) (1 108 573) / Flowering Plants (indoor) (1033 046) / other ornamental plants (outdoor) (869 060)
		Cuttings and slips (without roots)	162 939	other cuttings and slips (162 939)
Bulbs, tubers, etc.	1 540 858	Bulbs, tubers, etc., dormant	1 052 902	other bulbs etc., dormant (645 111) / Tulip, dormant (303 844) / Narcissi, dormant (42 630)
		Bulbs, tubers, etc., flowering or in growth	487 956	Orchids, hyacinth etc. in growth and flower (421 824) / Bulbs etc. in growth or flower (66 132)
Cut foliage, branches, mosses and lichens etc., fresh or treated	370 387	Cut foliage, branches, mosses and lichens etc., fresh (incl. Christmas trees)	296 998	Cut foliage, branches etc., fresh (278 302) / Christmas trees (15 725) / Mosses and lichens, fresh (2 805)
		Cut foliage, branches, mosses and lichens, dried or treated	73 389	Cut Foliage, branches etc., only dried (68 517) / Reindeer moss, treated (4 873)
Total	11 439 558			

Imports to Netherlands in 2023 by value in 1 000 EUR				
Cutflowers	1 322 144	Cutflowers, fresh	1 242 838	Roses, fresh cut (727 814) / Cutflowers, fresh, different species (371 655) / Carnations, fresh cut (121 298)
		Cutflowers, treated	79 306	Cutflowers, treated (79 306)
Live plants (with roots) and cuttings (without roots)	855 751	Live plants (excl. Fruit trees and bushes)	680 210	Green/foilage plants (indoor) (263 456) / Cuttings with roots and young plants (indoor) (176 291) / other ornamental plants (outdoor) (130 975)
		Cuttings and slips (without roots)	165 578	other cuttings and slips (165 578)
Cut foliage, branches, mosses and lichens etc., fresh or treated	352 647	Cut foliage, branches, mosses and lichens etc., fresh (incl. Christmas trees)	264 552	Cut foliage, branches etc., fresh (257 293) / Christmas trees (6 067) / Mosses and lichens, fresh (797)
		Cut foliage, branches, mosses and lichens, dried or treated	88 095	Cut Foliage, branches etc., only dried (84 260) / Reindeer moss, treated (3 835)
Bulbs, tubers, etc.	63 811	Bulbs, tubers, etc., dormant	50 207	other bulbs etc., dormant (36 702) / Tulip, dormant (7 535) / Narcissi, dormant (4 710)
		Bulbs, tubers, etc., flowering or in growth	13 604	Orchids, hyacinth etc. in growth and flower (11 520) / Bulbs etc. in growth or flower (2 084)
Total	2 594 353			

Top Ten Countries Exporting to Netherlands in 2023 by value in 1 000 EUR			
Kenya	420 799	Roses (286 068) / Other fresh cut flowers (78 147) / Cuttings and young plants (28 176)	
Germany	305 734	Cuttings and young plants (71 841) / Foilage plants (51 959) / Other live plants (42 928)	
Ecuador	292 798	Roses (228 730) / Other fresh cut flowers (52 903) / Treated cut flowers (5 937)	
Italy	218 226	Other fresh cut flowers (63 676) / Foilage plants (31 511) / Foilage, fresh (30 027)	
Ethiopia	186 307	Roses (145 440) / Other fresh cut flowers (18 015) / Cuttings and young plants (14 601)	
Belgium	183 343	Foliage plants (60 407) / Other fresh cut flowers (17 769) / Flowering pot plants (17 371)	
Colombia	131 364	Carnations (77 054) / Roses (26 245) / Other fresh cut flowers (22 207)	
Spain	101 057	Foliage, fresh (20 622) / Foilage plants (20 035) / Other live plants (15 320)	
Denmark	80 425	Foliage plants (35 818) / Treated foliage (17 212) / Foilage, fresh (9 077)	
Portugal	57 020	Foliage, fresh (12 581) / Other live plants (11 433) / Cuttings and young plants (9 308)	
others	617 280		
Total	2 594 353	Imports by Netherlands	

Top Ten Countries Importing from Netherlands in 2023 by value in 1 000 EUR			
Germany	3 000 699	Other fresh cut flowers (728 630) / Roses (441 339) / Flowering pot plants (335 398)	
United Kingdom	1 267 066	Other fresh cut flowers (241 020) / Ornamental nursery stocks (205 326) / Other live plants (144 725)	
France	1 024 967	Other fresh cut flowers (198 580) / Roses (186 144) / Foilage plants (126 546)	
Belgium	521 730	Foliage plants (77 316) / Other fresh cut flowers (73 143) / Ornamental nursery stocks (70 088)	
Poland	515 967	Roses (97 844) / Other fresh cut flowers (68 900) / Foilage plants (65 987)	
Italy	499 021	Flowering pot plants (91 681) / Roses (91 012) / Foilage plants (63 269)	
Switzerland	338 928	Other fresh cut flowers (92 252) / Foilage plants (56 232) / Roses (31 373)	
Not determin.	331 300	Other fresh cut flowers (122 198) / Roses (74 023) / Flowering pot plants (20 542)	
United States	284 484	Other fresh cut flowers (88 904) / Flower bulbs (71 666) / Flower bulbs (42 558)	
Austria	274 553	Other fresh cut flowers (56 286) / Flowering pot plants (38 302) / Roses (36 099)	
others	3 380 844		
Total	11 439 558	Exports by Netherlands	

Source: Eurostat, provisional data for 2023

NORWAY

Flowers and plants

Area in hectares

	2020	2018	2010	2006	2004	2001	1999	
Flowers and ornamental plants, under protection	81	.	.	22	.	.	.	Snittblomster
Pot plants, under protection	.	.	.	91	.	.	.	Potteplanter, bedplanter
Nursery products	.	115	226	299	293	300	287	Planteskolerprodukter
Container grown	.	47	61	50	.	.	56	Karplanteareal
Under glass	15	6	6	8	.	.	6	Veksthusareal

Source: Statistics Norway, Census of Agriculture 2020

Cut flowers and pot plants

Production in 1 000 pieces

	2018	2010	2006	2004	2001	1998	1995
Cut flowers	66 172	69 303	117 471	110 048	109 580	112 122	104 646
Roses	.	10 596	25 713	.	.	.	.
Tulips	.	53 879	78 873	.	.	.	.
Chrysanthemums	.	1 208	2 432	.	.	.	.
Lilies	.	3 075	4 717	.	.	.	.
Other species	.	493	5 736	.	.	.	.
Pot plants, flowering	26 806	15 552	34 367	42 322	43 178	35 605	35 908
Poinsettias	.	3 649	5 878	.	.	5 774	.
Kalanchoe	.	3 870	4 133	.	.	2 649	.
Geraniums (all sorts)	.	2 037	2 650	.	.	4 574	.
Potted chrysanthemums	.	1 459	2 453	.	.	3 528	.
Begonia (all sorts)	.	1 193	2 266	.	.	4 092	.
African Violets	.	1 022	1 639	.	.	2 367	.
Other flowering potted plants	.	2 322	15 345	.	.	14 285	.

Cut flowers and pot plants

Production in 1 000 pieces

	2018	2010	2006	2004	2001	1998	1995
Decorative plants	1 735	2 835	2 787	.	.	4 367	.
Ivy foliage plants	.	1 068	1 059	.	.	1 475	.
Other decorative plants	.	1 767	1 727	.	.	2 892	.
Bedding plants	41 217	27 435	44 696	31 766	33 732	28 584	30 611
Pansies	.	10 952	15 063	.	.	8 244	.
Lobelias	.	3 161	5 788	.	.	5 661	.
Marguerites	.	2 352	4 447	.	.	2 939	.
Marigolds	.	1 747	3 054	.	.	2 690	.
African daisies	.	2 450	2 297	.	.	327	.
Petunias	.	1 729	2 269	.	.	3 700	.
Other bedding plants	.	5 044	11 778	.	.	8 054	.

Source: Statistics Norway, Census of Agriculture 2018

Cut flowers and pot plants

Holdings with production of flowers in greenhouses

	2018	2006	1998
Cut flowers	19	120	197
Flowering potted plants	105	349	445
Decorative plants	27	59	119
Bedding plants	166	448	517

POLAND

Economic indicators 2023

Population:	37 millions
Surface area:	312 700 km ²
Population density:	123 people per km ²
Gross national income ¹ :	724 in billion \$
- per capita:	19 730 in \$
Purchasing power parity: (gross national income)	1 738 in billion \$
- per capita:	47 380 per capita in \$
Gross domestic product:	0.2 % growth
Gross domestic product:	0.5 per capita % growth

¹ Atlas method

Source: Worldbank, 2024, World Development Indicators

Production value

In million EUR

Year	Flower production in the open	Flower production under covers	Ornamental nursery stock	Total
2023 ¹	126	418	328	872
2022 ¹	125	416	324	865
2021 ¹	124	415	320	859
2020 ¹	122	412	310	841
2019 ¹	120	409	300	829
2018 ¹	121	409	295	825
2017 ¹	121	407	288	816
2016	120	406	276	802
2015	118	402	274	793
2014	117	384	265	766
2013	116	378	257	750
2012	114	368	247	730
2012	115	369	245	729

Source: A. Marosz, Institute of Horticulture, Skierniewice

¹ 2017-2023 based on estimates, research and analysis by D. Olewnicki, Institute of Horticultural Sciences, Warsaw University of Life Sciences

Flowers and nursery stock

Area in hectares, in the open and under protection

	2023 ¹	2022 ¹	2021 ¹	2020 ¹	2019 ¹	2018 ¹	2017 ¹	2016 ²	2015 ²	2014 ²	2013 ²
Area of flower production in the open	3768	3 801	3 830	3 844	3 845	3 849	3 847	3 845	3 840	3 838	3 835
Area of flower production under protection	1495	1 591	1 579	1 575	1 583	1 585	1 582	1 615	1 615	1 613	1 614
Nursery stock	7240	7 174	7 138	7 053	7 013	6 999	6 975	6 900	6 895	6 889	6 873
Total	12 503	12 566	12 547	12 469	12 441	12 433	12 404	12 360	12 350	12 340	12 322

Sources:

¹ For 2017 to 2023 based on estimates, research and analysis by D. Olewnicki, Institute of Horticultural Sciences, Warsaw University of Life Sciences

² Based on research and questionnaires by A. Marosz, Institute of Horticulture, Skierniewice

³ Agricultural Census 2010, Central Statistical Office, Poland

Nursery stock

Area in hectares

	2023 ¹	2022 ¹	2021 ¹	2020 ¹	2019 ¹	2018 ¹	2017 ¹	2016 ²	2014 ²	2010 ³	2002 ³
Total	7 240	7 174	7 138	7 053	7 013	6 999	6 975	6 900	6 842	6 747	4 393
In the open											
Roses	1 360	1 375	1 386	1 395	1 401	1 409	1 432	1 460	1 470	1 510	1 620
Conifers	2 330	2 340	2 346	2 345	2 350	2 383	2 391	2 407	2 395	2 363	1 043
Broad leaved shrubs	620	595	581	564	560	557	560	565	574	575	440
Alley trees	465	450	445	436	432	430	421	405	387	345	160
Ornamentals in containers	1 467	1 440	1 422	1 389	1 361	1 320	1 300	1 220	1 215	1 175	845
Under cover											
Ornamental nursery stock	310	302	298	290	284	279	270	268	265	260	135
Other											
Mother plants and others	688	672	660	634	625	621	601	575	536	519	150

Sources:

1 For 2017 to 2023 based on estimates, research and analysis by D. Olewnicki, Institute of Horticultural Sciences, Warsaw University of Life Sciences

2 Based on research and questionnaires by A. Marosz, Institute of Horticulture, Skierniewice

3 Agricultural Census 2002 and 2010

Flowers and plants

Area under cover in hectares

	2023 ¹	2022 ¹	2021 ¹	2020 ¹	2019 ¹	2018 ¹	2017 ¹	2016 ²	2014 ²	2010 ³	2002 ³
Total	1 495	1 591	1 579	1 575	1 583	1 585	1 582	1 615	1 608	1 608	1 417
Pot plants ³	690	731	732	730	732	735	737	750	700	700	560
Orchids	26	27	27	26	26	26	16	16	16	16	10
Garden plants	98	94	89	86	84	82	79	62	60	60	30
Cut flowers											
Roses	144	167	170	173	178	179	180	185	192	194	110
Chrysanthemums	39	42	39	43	44	43	47		65	65	50
Others	498	530	522	517	519	520	523	535	575	573	657

Sources:

1 For 2017 to 2023 based on estimates, research and analysis by D. Olewnicki, Institute of Horticultural Sciences, Warsaw University of Life Sciences

2 Based on research and questionnaires by A. Marosz, Institute of Horticulture, Skierniewice

3 Agricultural Census 2002 and 2010



AREA AND PRODUCTION

Country pages

Poland – External trade ornamental horticultural products

Exports from Poland in 2023 by value in 1 000 EUR				
Live plants (with roots) and cuttings (without roots)	109 493	Live plants (excl. Fruit trees and bushes)	91 545	Trees, shrubs and bushes (outdoor) (26 454) / Cuttings with roots and young plants (indoor) (17 409) / Cuttings with roots and young plants (outdoor) (17 352)
		Cuttings and slips (without roots)	9 650	other cuttings and slips (9 650)
Cut foliage, branches, mosses and lichens etc., fresh or treated	33 499	Cut foliage, branches, mosses and lichens etc., fresh (incl. Christmas trees)	20 912	Christmas trees (15 900) / Cut foliage, branches etc., fresh (4 356) / Reindeer moss, fresh (552)
		Cut foliage, branches, mosses and lichens, dried or treated	12 587	Cut Foliage, branches etc., only dried (12 126) / Reindeer moss, treated (461)
Cutflowers	23 449	Cutflowers, fresh	18 525	Cutflowers, fresh, different species (9 988) / Roses, fresh cut (4 973) / Chrysanthemums, fresh cut (2 355)
		Cutflowers, treated	4 924	Cutflowers, treated (4 924)
Bulbs, tubers, etc.	22 968	Bulbs, tubers, etc., dormant	12 578	other bulbs etc., dormant (6 290) / Tulip, dormant (5 941) / Gladioli, dormant (236)
		Bulbs, tubers, etc., flowering or in growth	10 389	Bulbs etc. in growth or flower (5 866) / Orchids, hyacinth etc. in growth and flower (4 523)
Total	189 408			

Imports to Poland in 2023 by value in 1 000 EUR				
Live plants (with roots) and cuttings (without roots)	246 392	Live plants (excl. Fruit trees and bushes)	231 809	Green/foilage plants (indoor) (77 403) / Flowering Plants (indoor) (63 589) / other ornamental plants (outdoor) (39 596)
		Cuttings and slips (without roots)	12 982	other cuttings and slips (12 982)
Cutflowers	194 910	Cutflowers, fresh	182 010	Roses, fresh cut (76 674) / Cutflowers, fresh, different species (51 257) / Carnations, fresh cut (38 400)
		Cutflowers, treated	12 899	Cutflowers, treated (12 899)
Bulbs, tubers, etc.	58 054	Bulbs, tubers, etc., dormant	33 566	Tulip, dormant (18 566) / other bulbs etc., dormant (12 326) / Gladioli, dormant (1 226)
		Bulbs, tubers, etc., flowering or in growth	24 488	Bulbs etc. in growth or flower (12 649) / Orchids, hyacinth etc. in growth and flower (11 839)
Cut foliage, branches, mosses and lichens etc., fresh or treated	19 241	Cut foliage, branches, mosses and lichens etc., fresh (incl. Christmas trees)	15 051	Cut foliage, branches etc., fresh (11 132) / Christmas trees (3 639) / Reindeer moss, fresh (143)
		Cut foliage, branches, mosses and lichens, dried or treated	4 190	Cut Foliage, branches etc., only dried (3 247) / Reindeer moss, treated (943)
Total	518 597			

Top Ten countries exporting to Poland in 2023 by value in 1 000 EUR			
Netherlands	424 158	Roses (73 408) / Foliage plants (65 610) / Flowering pot plants (50 198)	
Germany	43 640	Other live plants (8 823) / Ornamental nursery stocks (8 426) / Flowering pot plants (7 292)	
Denmark	14 410	Foliage plants (5 848) / Flowering pot plants (4 103) / Christmas trees (3 075)	
Italy	6 264	Other live plants (1 460) / Ornamental nursery stocks (1 056) / Foliage plants (707)	
Latvia	5 662	Ornamental nursery stocks (4 892) / Fruit trees and shrubs (298) / Azaleas (193)	
Belgium	4 144	Treated cut flowers (1 164) / Azaleas (754) / Flowering pot plants (675)	
Finland	4 093	Roses (1 844) / Carnations (1 628) / Other fresh cut flowers (620)	
Spain	3 882	Other live plants (1 270) / Foliage plants (712) / Flowering pot plants (522)	
Turkey	2 779	Carnations (1 331) / Foliage plants (516) / Flowering pot plants (432)	
China	1 490	Treated foliage (951) / Treated cut flowers (190) / Mosses and lichens (143)	
others	8 076		
Total	518 597	Imports by Poland	

Top Ten Countries Importing from Poland in 2023 by value in 1 000 EUR			
Germany	30 654	Cuttings and young plants (7 212) / Treated foliage (5 556) / Christmas trees (3 025)	
Netherlands	24 444	Treated cut flowers (4 099) / Cuttings and young plants (3 300) / Treated foliage (2 887)	
Belarus	20 453	Ornamental nursery stocks (5 171) / Flowering pot plants (3 003) / Flower bulbs (2 676)	
Lithuania	10 629	Other fresh cut flowers (2 911) / Cuttings and young plants (2 004) / Roses (1 758)	
Denmark	9 555	Christmas trees (3 534) / Cuttings and young plants (2 249) / Other live plants (2 063)	
Czech Rep.	9 425	Other fresh cut flowers (2 203) / Christmas trees (1 561) / Cuttings and young plants (1 316)	
Ukraine	9 393	Ornamental nursery stocks (2 150) / Chrysanthemums (989) / Flower bulbs (923)	
Kyrgyzstan	8 650	Ornamental nursery stocks (3 607) / Flower bulbs (1 332) / Foliage plants (878)	
Latvia	7 537	Ornamental nursery stocks (1 264) / Cuttings and young plants (1 255) / Flowering pot plants (1 203)	
Estonia	5 527	Ornamental nursery stocks (1 782) / Cuttings and young plants (1 208) / Roses (640)	
others	53 142		
Total	189 408	Exports by Poland	

Source: Eurostat, provisional data for 2023

SPAIN

Economic indicators 2023

Population:	48.4 millions
Surface area:	506 000 km ²
Population density:	95 people per km ²
Gross national income ¹ :	1 556 in billion \$
- per capita:	32 180 in \$
Purchasing power parity: (gross national income)	2 536 in billion \$
- per capita:	52 420 per capita in \$
Gross domestic product:	2.5 % growth
Gross domestic product:	1.2 per capita % growth

*Atlas method

Source: Worldbank, 2024, World Development Indicators

Production value at basic prices

Value at current prices (In million EUR)

Year	Flowers and plants	Nursery stock	Ornamental plants and flowers ¹
2023e	3 959		
2022p	3 603	774	1 021
2021	3 266	526	913
2020	3 008	402	694
2019	3 120	342	857
2018	2 724	229	734
2017	2 595	171	703
2016	2 360	179	720
2015	2 133	154	724
2014	2 079	134	1 037
2013	1 955	138	945

¹ incl. Christmas trees e: estimated p: provisional

Source: Eurostat

Flowers and plants

Area in hectares, amount in million pieces

	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	
Cut flowers	1 210	1 166	1 200	1 259	1 303	1 272	1 274	1 356	1 394	1 442	1 383	Flores
Carnations	354	351	366	377	374	373	338	397	415	426	429	Claveles
American type	124	118	125	121	130	127	93	124	130	129	109	tipo Americano
Other carnations	230	232	240	255	245	246	246	273	285	297	310	otros claveles
Roses	74	74	95	109	129	124	127	141	141	150	164	Rosas
Baccara/ Meilland	1	1	1	1	1	1	1	11	11	10	11	Baccara/ Meilland
Other roses	73	73	94	108	128	123	128	130	130	140	121	otras rosas
Other cut flowers	779	740	740	773	800	776	809	818	838	866	790	Otras flores
Ornamental plants	4 894	4 779	4 887	4 935	4 921	4 954	5 164	4 946	5 656	5 641	5 636	Plantas ornamentales
Young plants	21	21	24	41	98	95	89	27	31	34	28	Esquejes

Source: Ministerio de Agricultura, Alimentación y Medio Ambiente: Avance de Anuario de Estadística 2023, Capítulo 7.7.1.1 Flores y plantas ornamentales

Production in million pieces

	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	
Cut flowers	1 177	1 076	754	1 330	1 308	1 284	1 254	1 296	1 694	1 393	1 778	Flores
Carnations	549	489	292	626	577	576	562	589	723	658	788	Claveles
American type	202	144	72	207	221	214	176	163	174	179	164	tipo Americano
Other carnations	347	345	221	419	356	361	386	426	549	479	612	otros claveles
Roses	56	56	86	115	136	126	104	129	131	144	156	Rosas
Baccara/ Meilland	0	0	0	1	1	0	0	9	9	8	9	Baccara/ Meilland
Other roses	56	56	85	114	136	125	104	120	122	136	115	otras rosas
Other cut flowers	572	531	376	590	596	583	588	578	840	592	834	Otras flores
Ornamental plants	3 643	3 624	3 546	3 903	3 181	3 974	3 093	3 212	3 572	3 488	3 477	Plantas ornamentales
Young plants	1 829	1 818	1 309	2 507	1 396	1 562	314	4	19	7	4	Esquejes

Source: Ministerio de Agricultura, Alimentación y Medio Ambiente: Avance de Anuario de Estadística 2023, Capítulo 7.7.1.-7.7.6. Flores y plantas ornamentales

AREA AND PRODUCTION

Country pages

Area in hectares

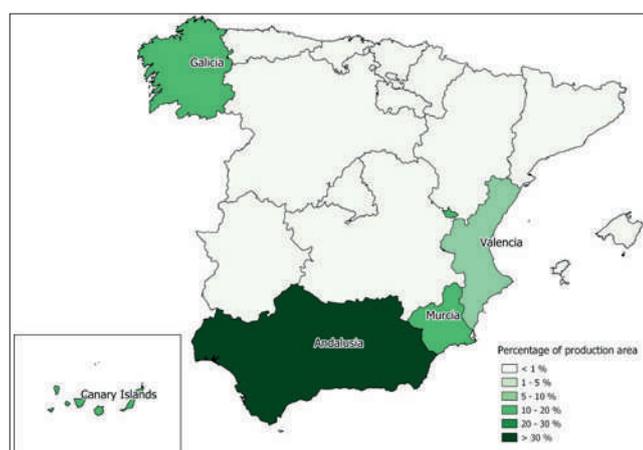
In the open	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	Al aire libre
Cut flowers	422	383	380	363	385	370	408	433	456	505	417	Flores
Carnations	56	57	61	50	56	52	52	59	59	69	68	Claveles
Roses	13	13	10	12	15	12	12	15	15	18	18	Rosas
Other flowers	352	313	309	301	314	306	344	359	382	417	330	Otras flores
Ornamental plants	3 278	3336	2 625	3 194	3 511	3 331	3 533	3 192	3 916	4 028	3 994	Plantas ornamentales
Under protection												Protegido
Cut flowers	784	780	820	896	917	899	865	917	932	931	953	Flores
Carnations	298	293	305	326	319	320	285	336	355	355	359	Claveles
Roses	61	61	84	97	114	112	115	125	124	131	144	Rosas
Other flowers	425	426	431	472	484	467	465	456	453	445	455	Otras flores
Ornamental plants	1 613	1442	2 260	1 494	1 408	1 301	1 302	1 419	1 510	1 405	958	Plantas ornamentales
Area without irrigation												secano
Cut flowers	.	.	.	.	1	4	2	1	1	1	1	Flores
Ornamental plants	3	1	2	247	2	322	334	335	230	208	200	Plantas ornamentales

Source: Ministerio de Agricultura, Alimentación y Medio Ambiente: Avance de Anuario de Estadística 2023, Capítulo 7.7.1.1 Flores y plantas ornamentales

Distribution of production area in 2022

Production of cut flowers

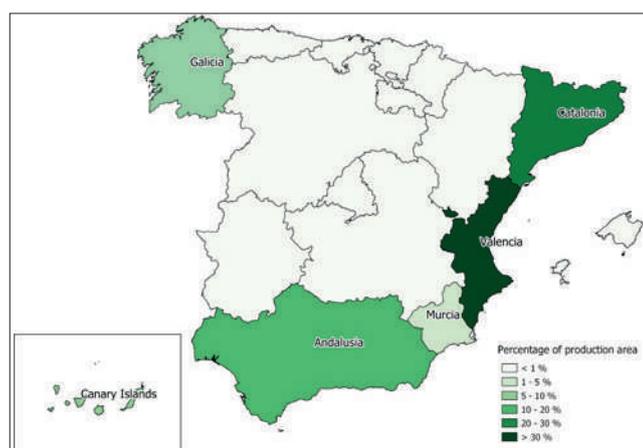
Total: 1 210 ha



Cut flowers	Production area	
	In ha	In %
Total	1 210	100
Andalusia	437	36
Galicia	190	16
Canary Islands	178	15
Murcia	183	15
Valencia	78	6
Others regions	144	12

Production of ornamental plants

Total: 4 894 ha



Ornamental plants	Production area	
	In ha	In %
Total	4 894	100
Valencia	2 126	43
Catalonia	1 253	26
Andalusia	555	11
Galicia	488	10
Canary Islands	242	5
Murcia	99	2
Other regions	131	3

Source: Ministerio de Agricultura, Alimentación y Medio Ambiente: Avance de Anuario de Estadística 2023, Capítulo 7.7.1.2 & 7.7.5.1

AREA AND PRODUCTION

Country pages

Spain – External trade ornamental horticultural products

Exports from Spain in 2023 by value in 1 000 EUR				
Live plants (with roots) and cuttings (without roots)	404 402	Live plants (excl. Fruit trees and bushes)	288 000	other ornamental plants (outdoor) (152 501) / Flowering Plants (indoor) (38 109) / Trees, shrubs and bushes (outdoor) (37 928)
		Fruit trees, shrubs and bushes	83 808	Fruit trees, shrubs and bushes (83 808)
Cutflowers	63 020	Cutflowers, fresh	36 662	Cutflowers, fresh, different species (13 139) / Roses, fresh cut (10 459) / Carnations, fresh cut (8 158)
		Cutflowers, treated	26 357	Cutflowers, treated (26 357)
Cut foliage, branches, mosses and lichens etc., fresh or treated	43 350	Cut foliage, branches, mosses and lichens, dried or treated	23 915	Cut Foliage, branches etc., only dried (23 711) / Reindeer moss, treated (203)
		Cut foliage, branches, mosses and lichens etc., fresh (incl. Christmas trees)	19 436	Cut foliage, branches etc., fresh (18 172) / Mosses and lichens, fresh (1 199) / Christmas trees (64)
Bulbs, tubers, etc.	8 802	Bulbs, tubers, etc., flowering or in growth	7 039	Bulbs etc. in growth or flower (7 027) / Orchids, hyacinth etc. in growth and flower (11)
		Bulbs, tubers, etc., dormant	1 763	other bulbs etc., dormant (1 706) / Tulip, dormant (40) / Gladioli, dormant (13)
Total	519 574			

Imports to Spain in 2023 by value in 1 000 EUR				
Cutflowers	133 649	Cutflowers, fresh	118 652	Roses, fresh cut (53 141) / Cutflowers, fresh, different species (36 056) / Carnations, fresh cut (18 726)
		Cutflowers, treated	14 996	Cutflowers, treated (14 996)
Live plants (with roots) and cuttings (without roots)	133 208	Live plants (excl. Fruit trees and bushes)	102 412	Green/foilage plants (indoor) (32 327) / other ornamental plants (outdoor) (27 116) / Flowering Plants (indoor) (18 682)
		Cuttings and slips (without roots)	20 298	other cuttings and slips (20 298)
Bulbs, tubers, etc.	22 258	Bulbs, tubers, etc., flowering or in growth	13 930	Orchids, hyacinth etc. in growth and flower (8 299) / Bulbs etc. in growth or flower (5 631)
		Bulbs, tubers, etc., dormant	8 328	other bulbs etc., dormant (7 361) / Gladioli, dormant (495) / Tulip, dormant (258)
Cut foliage, branches, mosses and lichens etc., fresh or treated	18 818	Cut foliage, branches, mosses and lichens, dried or treated	9 884	Cut Foliage, branches etc., only dried (9 125) / Reindeer moss, treated (759)
		Cut foliage, branches, mosses and lichens etc., fresh (incl. Christmas trees)	8 933	Cut foliage, branches etc., fresh (8 363) / Christmas trees (301) / Mosses and lichens, fresh (269)
Total	307 933			

Top Ten Countries Exporting to Spain in 2023 by value in 1 000 EUR			
Netherlands	135 989	Foliage plants (25 231) / Other fresh cut flowers (17 965) / Flowering pot plants (16 932)	
Colombia	47 098	Carnations (17 754) / Roses (16 362) / Other fresh cut flowers (7 035)	
Ecuador	45 526	Roses (32 955) / Other fresh cut flowers (10 185) / Treated cut flowers (1 510)	
Italy	22 342	Ornamental nursery stocks (5 002) / Other live plants (4 479) / Fruit trees and shrubs (2 351)	
France	11 741	Fruit trees and shrubs (3 587) / Cuttings and young plants (2 312) / Other live plants (1 627)	
Portugal	10 217	Treated foliage (2 767) / Other live plants (1 898) / Foliage plants (1 506)	
Germany	9 436	Other live plants (2 039) / Foliage plants (1 613) / Flowering pot plants (1 061)	
Belgium	5 721	Fruit trees and shrubs (1 620) / Other live plants (754) / Ornamental nursery stocks (538)	
Morocco	5 276	Other live plants (4 510) / Fruit trees and shrubs (765) / Foliage, fresh (1)	
China	2 570	Treated foliage (1 263) / Foliage plants (383) / Other live plants (364)	
others	12 016		
Total	307 933	Imports by Spain	

Top Ten Countries Importing from Spain in 2023 by value in 1 000 EUR			
France	148 822	Other live plants (59 577) / Flowering pot plants (22 352) / Ornamental nursery stocks (18 055)	
Netherlands	99 365	Other live plants (18 479) / Foliage, fresh (15 982) / Treated foliage (9 538)	
Portugal	63 344	Fruit trees and shrubs (11 576) / Roses (7 906) / Treated foliage (7 728)	
Germany	43 280	Other live plants (14 461) / Foliage plants (8 764) / Cuttings and young plants (6 608)	
Italy	34 839	Other live plants (13 063) / Fruit trees and shrubs (8 497) / Ornamental nursery stocks (2 476)	
Morocco	33 387	Fruit trees and shrubs (25 172) / Fruit trees and shrubs (6 933) / Other live plants (534)	
Belgium	13 191	Other live plants (7 099) / Flowering pot plants (2 361) / Fruit trees and shrubs (732)	
United Kingdom	12 253	Other live plants (3 899) / Fruit trees and shrubs (3 589) / Ornamental nursery stocks (1 375)	
Switzerland	7 582	Other live plants (5 046) / Flowering pot plants (1 274) / Foliage plants (759)	
United Arab Emirates	5 605	Other live plants (3 097) / Fruit trees and shrubs (1 541) / Fruit trees and shrubs (455)	
others	57 905		
Total	519 574	Exports by Spain	

Source: Eurostat, provisional data for 2023

SWEDEN

Cut flowers

Production in 1 000 pieces

	2023	2020	2017	2014	2011	2008
Cut flowers	5 391	3 581	4 041	3 327	2 568	3 636
Flower bulbs (for cutting)	169 481	147 799	151 120	142 045	152 776	130 320
Tulips	167 973	146 340	150 971	141 824	152 428	125 727
Narcissus	75	39	42	104	336	456
Others	1 434	1 420	107	117	.	501
Total	174 872	151 380	155 161	145 372	155 344	133 956

Area in hectares

	2023	2020 ¹	2017 ¹	2014 ¹	2011 ¹
Under protection	13	13	13	11	11
In the open	27	25	23	24	23
Total	40	38	36	35	34

Source: J. Persson, Schwedisches Zentralamt für Landwirtschaft, Jönköping

¹ Data revised

Flower bulbs (pot plants)

Production in 1 000 pieces

	2023	2020	2017	2014	2011	2008
Hyacinths	6 571	7 181	6 875	6 474	6 598	6 439
Narcissus	5 942	5 573	5 757	4 990	7 230	3 050
Amaryllis	2 411	2 605	2 645	2 480	2 763	2 300
Others	1 152	458	933	1 157	928	1 412
Total	16 075	15 818	16 210	15 101	17 519	13 201

Area in hectares

	2023	2020 ¹	2017 ¹	2014 ¹	2011 ¹
Under protection	10	9	10	9	.

Source: Swedish Board of Agriculture, Horticultural Census 2023

Source: J. Persson, Schwedisches Zentralamt für Landwirtschaft, Jönköping

¹ Data revised

Pot plants

Production in 1 000 pieces

	2023	2020	2017	2014	2011	2008	2005
Pelargoniums	8 644	9 509	9 830	10 042	9 609	10 573	.
Dahlia	869	742	763	544	449	127	.
Kalanchoe	718	753	1 391	2 266	2 528	6 387	5 382
Poinsettias	2 490	2 407	2 778	3 344	3 576	5 669	4 592
Hortensia	296	415	485	418	298	262	.
Pot chrysanthemums	1 445	1 576	1 419	1 861	1 001	3 749	2 089
Marguerites	829	971	1 157	1 328	1 729	2 730	1 587
Azaleas	372	707	967	878	954	958	.
Begonias	1 313	1 517	1 385	1 807	2 728	2 471	3 463
Cyclamen	914	902	960	1 030	1 141	1 017	1 140
Primula	420	678	789	996	921	1 008	919
Saintpaulias	138	236	477	536	1 192	796	1 600
Green Pot Plants	863	1 001	635	645	747	744	760
Violas	21 361	22 986	24 470	24 304	19 432	17 603	21 978
Petunias	6 663	6 596	6 822	7 885	.	.	.
Lobelias	3 961	4 398	5 052	5 677	5 335	4 360	5 705
Marigold (Tagetes)	4 211	3 665	3 922	4 832	3 884	4 100	5 254
Impatiens	613	712	961	1 407	1 867	1 801	2 719
Scaevola	408	251	241	94	101	15	.
Sanvitalia	306	331	487	40	48	.	.
Begonia semperflorens	2 117	2 397	2 581	2 813	903	577	.
Jacobaea maritima	954	1 193	1 154	1 425	1 247	900	.
Verbena	370	384	852	638	201	88	.
Other pot plants	5 414	7 310	14 076	10 252	13 280	20 233	43 987
Total	72 131	77 663	83 654	85 062	73 171	86 168	101 175
Young plants and cuttings	.	.	135 219	183 445	86 249	86 282	.

Source: Swedish Board of Agriculture, Horticultural Census 2023

Nursery stock

Area in hectares

	2023	2020	2017	2014	2011	2008	2005	2002
Nursery stock, open field and container	497	524	441	447	467	419	393	435
Deciduous trees	.	.	213	202	145	140	136	137
Conifers	.	.	13	16	15	15	19	22
Berry bushes	.	.	19	17	4	.	.	.
Ornamental bushes	.	.	38	45	30	25	22	37
Fruit trees	.	.	38	30	40	70	86	55
Rose bushes	.	.	6	3	5	4	10	23
Perennials	.	.	29	31	34	16	20	25
Others	.	.	85	103	194	149	100	136
Only container cultivation	.	.	95	88	92	51	55	80

Source: Swedish Board of Agriculture, Horticultural Census 2023

Production value

In million EUR

	2020	2018	2017	2016	2015	2014	2013	2012	2011	2010
Pot plants	74	71	76	65	63	.	88	99	88	81
Bulb flowers	19	15	17	16	15	.	17	19	18	13
Bulb flowers for cutting	35	33	32	32	32	.	31	35	34	32
Nursery plants in the open	104	99	94	90	93	.	87	99	86	70
Total	232	218	219	204	203	.	223	252	226	195

Source: Swedish Board of Agriculture, Garden production 2020

Ornamental Plants

Number of enterprises

	2023	2020 ¹	2017 ¹	2014 ¹	2011 ¹
Under protection	377	445	500	547	439
In the open	256	233	215	232	119

Source: Swedish Board of Agriculture's statistical database, 2024 / Horticulture / Cultivation / Ornamental plants

¹ Data revised

SWITZERLAND

Flowers and plants

Area in hectares

	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
Christmas trees	706	708	718	710	701	692	674	658	647	626	656
Forest plants	114	114	113	100	65	65	63	59	72	77	99
Ornamental trees	685	305	313	433	415	503	517	536	519	462	478
Other area nursery stock	430 ¹	452	459	419	428	442	422	374	354	376	379
Horticultural crops in greenhouses (without vegetables)	127	146	126	118	119	160	166	183	190	198	176
Total	1 674	1 725	1 729	1 780	1 728	1 862	1 842	1 810	1 782	1 739	1 788

Source: Bundesamt für Statistik, STAT-TAB, 07 Land- und Forstwirtschaft, Landwirtschaftliche Betriebe und landwirtschaftliche Nutzflächen, 2024

¹ Source: Bundesamt für Statistik, Agrar-Team, 2024

Nursery stock

Number of enterprises

	2023e	2022e	2021e	2020e	2019e	2018e	2017	2016	2015	2014
Nurseries with forest trees	31	32	32	32	33	33	34	35	34	36
Nurseries with christmas trees	552	560	566	572	579	589	624	611	603	606
Nurseries with ornamental trees	184	187	189	191	194	197	203	204	206	205
Other nurseries	170	172	174	175	178	181	192	187	182	189
Enterprises with horticultural production in greenhouses	319	323	327	330	335	340	345	347	355	366

e: estimated based on the total number of enterprises

Source: Bundesamt für Statistik, STAT-TAB, 07-Land- und Forstwirtschaft, Landwirtschaftliche Betriebe und Landwirtschaftliche Nutzfläche (LN) auf Klassifizierungsebene 3 nach Kanton, 2024

THAILAND

Cut flowers

Area in hectares, amount in tons

	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
Orchids (in ha)		3 039	3 308	3 443	3 461	3 413	3 482	3 570	3 537	3 472
Amount (in t)	35 513	33 729	38 805	48 795	48 147	46 015	47 226	50 084	48 749	47 812

Source: Office of Agricultural Economics, 2024

Cut flowers

Area in hectares

	2013 ¹	2008	2003
Orchids	5 286	3 066	2 864
Jasmine	1 910	3 263	2 516
Lotus	526	2 143	1 595
Marigold	1 645	1 172	1 244
Crown flower (Calotropis)	1 087	1 068	1 074
Roses	1 002	439	826
Chrysanthemums	440	2 199	504
White chempaka (Michelia)	255	356	342
Solidago	173	n.s.	164
Pandanus and other palms	1 719	1 275	753
Ficus	451	.	.
Bambus	202	.	.
Nursery stock	1 538	n.s.	1 559

¹ planted area

Source: 2013 Agricultural Census, National Statistical Office, Ministry of Information and Communication Technology

TURKEY

Economic indicators 2023

Population:	85.3 millions
Surface area:	785 400 km ²
Population density:	109 people per km ²
Gross national income ¹ :	994 in billion \$
- per capita:	11 650 in \$
Purchasing power parity:	3 729 in billion \$
(Gross national income)	
- per capita:	43 700 per capita in \$
Gross domestic product:	4.5 % growth
Gross domestic product:	4.1 per capita % growth

¹ Atlas method

Source: Worldbank, 2024, World Development Indicators

Flowers and plants

Area in hectares

	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
Cut flowers	1 471	1 467	1 265	1 219	1 237	1 192	1 172	1 201	1 183	1 137	1 082
Indoor ornamental plants	207	184	179	171	199	208	165	131	147	108	110
Outdoor ornamental plants	4 103	3 986	4 034	3 974	3 770	3 731	3 626	3 487	3 229	3 600	3 242
Flowers bulbs	35	51	51	49	41	49	43	60	61	57	55
Total	5 816	5 688	5 529	5 413	5 247	5 180	5 009	4 880	4 620	4 902	4 790

Source: Turkish Statistical Institute: Crop Production Statistics, Ministry of Food, Agriculture and Livestock, 2024

Production under protection in million pieces

	Production (In million pieces)										
	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
Cut flowers	1 414	1 404	1 065	1 012	1 092	1 056	1 051	1 041	1 036	1 026	1 026
Indoor ornamental plants	157	45	54	48	52	60	56	38	41	41	36
Outdoor ornamental plants	525	538	519	529	511	507	491	409	451	456	348
Flowers bulbs	67	73	72	71	63	89	22	25	27	30	33
Total	2 163	2 060	1 710	1 661	1 718	1 712	1 619	1 514	1 555	1 553	1 444

Source: Turkish Statistical Institute: Crop Production Statistics, Ministry of Food, Agriculture and Livestock, 2024

AREA AND PRODUCTION

Country pages

Cut flowers

Area under protection in hectares

	Area (In hectares)										
	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
Carnations	602	642	490	435	512	494	487	482	481	495	489
Gladiolus	11	21	18	17	24	24	26	59	58	41	33
Gerbera daisy	117	94	117	113	120	118	113	114	115	115	113
Gypsophila	49	44	25	25	25	25	25	25	24	25	26
Chrysanthemums	115	127	113	112	75	76	63	64	58	58	57
Anemone	1	1	1	1	1	1	1	1	1	1	8
Narcissus	90	63	32	42	46	41	42	42	43	43	33
Freesia	11	11	9	10	15	15	16	16	16	16	16
Matthiola	17	17	18	16	17	16	16	16	11	11	11
Solidago	16		16	16	12	12	13	13	12	12	12
Lilies	36	36	37	38	45	45	46	77	71	44	52
Orchids	6	6	3	3	4	4	4	2	2	1	1
Tulips	5	5	37	41	40	41	41	41	43	38	34
Roses (Cut)	284	274	265	236	208	207	210	187	179	168	161
Lisianthus	25	23	29	27	22	19	19	15	19	17	14
Hyacinth	4	4	4	5	5	4	4	4	4	5	5
Iris	0	0	0	0	3	2	2	2	2	2	3
Stative	1	1	1	0	2	2	2	3	3	3	3
Other cut flowers	82	83	50	80	61	44	43	38	39	42	43
Total	1 471	1 467	1 265	1 219	1 237	1 192	1 172	1 201	1 183	1 137	1 082

Source: Turkish Statistical Institute: Crop Production Statistics, Ministry of Food, Agriculture and Livestock, 2024

Production under protection in million pieces

	Production (In million pieces)										
	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
Carnations	912	986	607	536	635	607	593	593	591	600	594
Gerbera daisy	103	71	121	119	134	133	127	128	130	129	123
Roses (Cut)	106	99	101	93	98	98	108	90	93	87	83
Chrysanthemums	79	84	79	76	48	48	44	45	42	42	42
Tulips	4	5	28	41	40	41	45	41	41	37	56
Gypsophila	46	42	20	19	18	18	18	18	17	17	17
Freesia	15	14	11	12	17	17	18	18	18	18	17
Solidago	34	14	25	25	17	17	19	18	18	16	16
Narcissus	37	27	11	14	15	14	14	14	15	15	11
Lisianthus	16	15	20	18	13	11	10	13	12	9	10
Lilies	8	8	8	8	9	9	10	13	12	9	10
Gladiolus	3	5	5	5	7	7	7	15	15	11	10
Matthiola	9	9	7	6	7	6	6	6	3	3	3
Orchids	3	3	2	3	2	2	2	0	0	0	0
Hyacinth	1	1	1	1	1	1	1	2	2	2	2
Iris	0	0	0	0	1	1	1	1	1	1	1
Anemone	0	1	1	1	1	1	1	1	1	1	1
Stative	0	1	1	0	0	0	0	0	0	0	0
Other cut flowers	37	19	18	34	28	24	25	25	26	27	28
Total	1 414	1 404	1 065	1 012	1 093	1 056	1 051	1 042	1 037	1 024	1 027

Source: Turkish Statistical Institute: Crop Production Statistics, Ministry of Food, Agriculture and Livestock, 2024

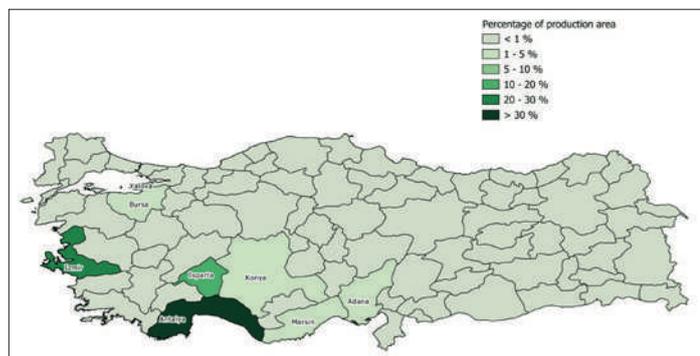
AREA AND PRODUCTION

Country pages

Distribution of production area in 2021

Production of cut flowers

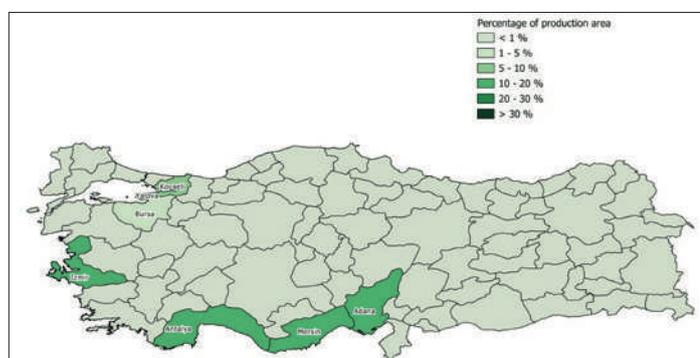
Total: 1 265 ha



Cut flowers	Production area	
	In ha	In %
Total	1 265	100
Antalya	412	33
Izmir	335	27
Isparta	179	14
Yalova	72	6
Bursa	55	4
Adana	40	3
Konya	37	3
Mersin	37	3
Others	98	8

Production of ornamental plants, indoor

Total: 179 ha



Ornamental plants indoor	Production area	
	In ha	In %
Total	179	100
Izmir	35	20
Adana	33	19
Antalya	31	17
Mersin	21	12
Yalova	19	11
Kocaeli	16	9
Sakarya	6	3
Tekirdağ	6	3
Bursa	5	3
Others	7	4

Production of ornamental plants, outdoor

Total: 4 034 ha



Ornamental plants outdoor	Production area	
	In ha	In %
Total	4 034	100
Izmir	1 278	32
Sakarya	1 045	26
Bursa	430	11
Yalova	275	7
Edirne	250	6
Antalya	150	4
Manisa	90	2
Samsun	59	1
Düzce	58	1
Adana	54	1
Kocaeli	54	1
Mersin	47	1
Konya	43	1
Ankara	32	1
Others	167	4

Source: Turkish Statistical Institute: Crop Production Statistics, 2022

TURKEY – External trade ornamental horticultural products

Exports – Flowers and plants, value in 1 000 EUR

	2023 ¹	2022 ¹	2021	2020	2019	2018	2017	2016	2015	2014	2013
Live plants (including their roots) (HS-Code 0602)	68 690	70 608	60 908	51 367	54 672	46 262	43 536	40 589	37 045	31 696	30 229
Cut flowers and flower buds (HS-Code 0603)	45 599	47 292	50 034	32 273	31 989	28 629	25 870	25 054	25 503	23 977	21 243
Foliage, branches and other parts of plants (HS-Code 0604)	9 688	12 529	12 394	8 410	7 370	6 693	6 286	6 401	5 966	4 919	5 185
Bulbs, tubers, corms, etc. (HS-Code 0601)	1 121	1 655	1 571	1 192	1 228	1 491	1 113	1 538	1 427	1 441	1 519
Total	125 098	132 084	124 907	93 242	95 259	83 075	76 805	73 582	69 941	62 033	58 176

Source: Turkish Statistical Institute, Database: Foreign Trade Statistics, 2022

¹ Source: ITC Trade map, 2024

Imports – Flowers and plants, value in 1 000 EUR

	2023 ¹	2022 ¹	2021	2020	2019	2018	2017	2016	2015	2014	2013
Live plants (including their roots) (HS-Code 0602)	52 395	37 278	37 380	31 128	31 732	42 301	64 817	66 228	59 480	58 417	61 975
Bulbs, tubers, corms, etc. (HS-Code 0601)	4 622	3 560	3 453	2 168	2 423	4 677	5 906	8 257	9 042	5 693	5 342
Cut flowers and flower buds (HS-Code 0603)	4 582	3 863	2 779	2 521	3 525	2 732	3 135	3 719	4 380	4 805	1 925
Foliage, branches and other parts of plants (HS-Code 0604)	890	714	839	439	596	821	629	663	631	543	480
Total	62 489	45 415	44 451	36 256	38 276	50 531	74 487	78 867	73 533	69 458	69 722

Source: Turkish Statistical Institute, Database: Foreign Trade Statistics, 2022

¹ Source: ITC Trade map, 2024

Exports – Cut flowers fresh, value in 1 000 EUR

Partner country	2023 ¹	2022 ¹	2021	2020	2019	2018	2017	2016	2015	2014	2013
Netherlands	25 667	31 718	34 138	22 572	17 955	13 132	10 000	8 933	7 012	7 129	4 910
United Kingdom	10 210	6 918	7 246	4 381	7 680	9 864	10 049	9 997	9 103	8 289	8 502
Romania	1 085	940	877	956	1 440	1 778	2 030	1 394	1 229	1 315	1 520
Bulgaria	1 491	1 681	1 945	1 413	1 203	996	872	1 320	1 024	963	878
Ukraine	315	207	346	219	372	373	463	436	1 056	2 199	2 333
Hungary		32	82	56	259	362	493	400	482	345	190
Others	6 831	5 796	5 400	2 676	3 080	2 124	1 963	2 574	5 597	3 737	2 910
Total	45 599	47 292	50 034	32 273	31 989	28 629	25 870	25 054	25 503	23 977	21 243

Source: Turkish Statistical Institute, Database: Foreign Trade Statistics, 2022

¹ Source: ITC Trade map, 2024

Exports – Live plants, value in 1 000 EUR

Partner country	2023 ¹	2022 ¹	2021	2020	2019	2018	2017	2016	2015	2014	2013
Uzbekistan	3851	10 160	12 283	8 992	8 665	11 573	10 231	5 790	1 331	1 743	1 856
Azerbaijan	9498	9 295	6 967	7 960	7 416	6 415	3 660	2 278	2 180	3 213	4 674
Turkmenistan	5289	6 064	3 664	5 744	6 940	3 248	5 726	7 893	14 894	8 936	7 488
Germany	6047	7 549	7 437	5 836	6 831	5 923	6 054	5 464	4 739	4 712	4 915
Iraq	6074	5 670	4 145	3 880	4 776	3 851	4 423	3 457	4 947	4 930	6 268
Georgia	8693	7 059	5 078	3 423	3 874	2 992	2 205	1 444	973	460	309
Netherlands	5272	5 087	4 339	3 408	3 204	3 091	2 273	1 804	1 800	1 826	1 773
Kazakhstan	2236	1 341	3 230	2 135	1 437	548	650	6 895	475	538	345
Others	21 730	18 383	13 765	9 989	11 529	8 621	8 314	7 008	7 153	6 317	3 255
Total	68 690	70 608	60 908	51 367	54 672	46 262	43 536	40 589	37 045	31 677	30 229

Source: Turkish Statistical Institute, Database: Foreign Trade Statistics, 2022

¹ Source: ITC Trade map, 2024

Imports – Live plants, value in 1 000 EUR

Partner country	2023 ¹	2022 ¹	2021	2020	2019	2018	2017	2016	2015	2014	2013
Netherlands	17 176	14 131	16 160	14 680	15 307	18 475	25 552	24 105	21 809	19 679	18 240
Italy	13 456	7 289	6 148	3 971	5 971	10 644	21 589	23 549	22 111	22 673	24 118
France	4 993	3 059	3 172	2 550	2 341	2 171	943	812	1 119	1 350	1 176
Spain	5 084	2 750	2 583	1 669	1 413	2 682	2 195	3 918	1 322	2 284	3 843
China	3 195	2 689	2 911	2 194	1 192	1 276	1 801	662	802	910	1 080
Belgium	396	201	334	432	1 074	1 204	1 998	1 507	2 327	1 810	1 208
Germany	1 405	2 252	1 515	1 020	729	1 563	3 859	4 469	3 207	4 293	7 406
Hungary	116	187	56	277	146	326	2 228	2 574	2 126	2 477	2 123
Others	6 574	4 720	4 503	4 335	3 559	3 960	4 651	4 632	4 657	2 941	2 781
Total	52 395	37 278	37 380	31 128	31 732	42 301	64 816	66 228	59 480	58 417	61 975

Source: Turkish Statistical Institute, Database: Foreign Trade Statistics, 2022

¹ Source: ITC Trade map, 2024

UGANDA

Exports – Flowers and plants, value in 1 000 EUR

	2023 ¹	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012
Live plants (including their roots) (HS-Code 0602)	37 799	54 001	54 484	44 094	44 980	48 866	51 060	46 590	45 821	42 398	41 016	40 716
Cut flowers and flower buds (HS-Code 0603)	31 460	3 575	3 787	3 182	3 523	2 612	1	81	135	3	8	159
Bulbs, tubers, corms, etc. (HS-Code 0601)	105	26	19	0	2	7	58	17	0	2	1	0
Foliage, branches and other parts of plants (HS-Code 0604)	3	445	303	424	206	64	23	121	577	939	1 453	4
Total	69 367	58 047	58 593	47 700	48 711	51 549	51 142	46 809	46 533	43 342	42 478	40 879

Source: ITC Trade map, 2024
1 Mirror Data

Exports – Live plants, fresh, value in 1 000 EUR

	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
Netherlands	48 599	44 529	45 710	37 981	34 958	41 012	43 879	38 636	36 756	36 236	35 053
Germany	1 278	1 848	2 045	1 505	1 433	1 171	1 498	1 550	1 574	1 095	1 208
USA	759	1 091	1 431	1 275	1 331	1 247	899	1 679	586	651	593
Italy	609	641	626	496	734	527	293	842	579	725	629
South Africa	1 495	890	427	450	869	857	314	225	586	943	1 001
Kenya	288	395	1 641	436	403	543	533	642	488	187	107
Others	3 329	4 607	2 604	1 951	5 252	3 509	3 644	3 016	5 252	2 561	2 425
Total	56 357	54 001	54 484	44 094	44 980	48 866	51 060	46 590	45 821	42 398	41 016

Source: ITC Trade map, 2024

Exports – Roses, grafted or not, value in 1 000 EUR

Partner country	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
Netherlands	21 732	22 259	23 205	17 118	13 082	17 676	23 476	21 164	19 442	19 891	19 867
Japan	426	548	456	322	410	307	197	20	2	29	23
Others	1 214	1 809	337	289	2 558	813	618	936	1 330	1 692	1 729
Total	23 372	24 616	23 998	17 729	16 050	18 796	24 291	22 120	20 774	21 612	21 619

Source: ITC Trade map, 2024

Exports – Cuttings and slips, unrooted, value in 1 000 EUR

Partner country	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
Netherlands	26 867	22 270	22 506	20 863	21 876	23 336	20 403	17 472	17 314	16 345	15 185
Germany	536	1 831	2 045	1 505	1 433	1 171	1 498	1 550	1 574	1 095	1 208
USA	759	1 091	1 431	1 252	1 191	1 095	891	1 676	563	585	574
Italy	599	641	626	496	734	527	293	842	579	725	629
South Africa	1 495	889	427	450	866	857	314	225	585	943	993
Kenya	288	395	1 640	436	398	543	533	642	488	184	100
Others	1 558	2 174	1 728	1 271	2 420	2 540	2 809	1 962	3 933	912	701
Total	32 102	29 291	30 403	26 273	28 917	30 068	26 738	24 372	25 033	20 785	19 386

Source: ITC Trade map, 2024

UNITED KINGDOM

Economic indicators 2023

Population:	68.4 millions
Surface area:	243 600 km ²
Population density:	277 people per km ²
Gross national income ¹ :	3 267 in billion \$
- per capita:	47 800 in \$
Purchasing power parity: (gross national income)	3 974 in billion \$
- per capita:	58 140 per capita in \$
Gross domestic product:	0.1 % growth
	-0.7 per capita % growth

1 Atlas method

Source: Worldbank, 2024, World Development Indicators

AREA AND PRODUCTION

Country pages

Flowers and plants

Production value in million EUR

	2023 ¹	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
Pot plants	330	332	379	330	369	347	339	371	.	.	.
Flowers and bulbs	179	192	150	148	146	138	138	113	.	.	.
Hardy ornamental nursery stock	1 177	1 269	1 292	1 115	1 094	1 078	1 064	1 088	.	.	.
Flowers and bulbs in the open	.	.	.	.	.	.	.	.	62	52	53
Hardy plants and flowers, nursery stock	.	.	.	.	.	.	.	.	1 079	987	953
Protected crops	.	.	.	.	.	.	.	.	442	407	396
Ornamental plants, total	1 686	1 794	1 822	1 593	1 609	1 563	1 541	1 574	1 583	1 446	1 402

¹ provisional

Source: Agriculture in the United Kingdom 2023, Department for Environment, Food and Rural Affairs, Plants and flowers (table 7.10a)

UK – Flowers and plants

Area in hectares

	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011
In the open											
Flowers and bulbs in the open	7 100	6 300	6 600	6 700	7 100	5 800	6 800	5 900	5 800	5 900	4 900
Hardy nursery stock	5 100	4 900	4 500	4 600	5 000	5 300	5 500	5 800	5 800	6 100	6 000
Under protection											
Flowers, foliage and other plants	473	450	476	465	546	522	529	568	594	601	606
Total	12 673	11 650	11 576	11 765	12 646	11 622	12 829	12 268	12 194	12 601	11 506

Source: Gov.UK: Farming Statistics, June Survey 2021 – UK

England – Flowers and plants

Area in hectares

	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
In the open											
Flowers and bulbs in the open	4 912	5 100	6 430	5 603	5 876	6 008	6 355	5 063	6 182	5 253	5 163
Hardy nursery stock	2 009	1 992	2 008	2 008	2 051	2 190	2 320	2 440	2 833	2 747	2 766
Perennial herbaceous plants	296	278	329	395	405	400	327	358	354	398	420
Christmas trees	1 581	1 363	1 828	1 619	1 570	1 581	1 980	2 137	1 897	1 890	1 973
Under protection											
Flowers, foliage and other plants	412	431	418	408	409	405	478	471	474	520	545
Total	9 210	9 164	11 013	10 033	10 311	10 584	11 460	10 469	11 740	10 808	10 867

¹ Area for UK

Source: Gov.UK: Agricultural land use in England at 1 June 2023 – England

United Kingdom – External trade ornamental horticultural products

Exports – Flowers and plants, value in 1 000 EUR

	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
Live plants (including their roots) (HS-Code 0602)	20 045	18 459	27 783	36 841	39 583	36 835	41 215	31 909	35 625	32 931	33 549
Cut flowers and flower buds (HS-Code 0603)	23 473	26 548	24 987	28 904	37 159	43 934	45 310	35 316	31 388	29 605	30 493
Bulbs, tubers, corms, etc. (HS-Code 0601)	8 692	10 019	8 572	7 634	8 741	8 085	6 749	6 496	7 475	8 782	10 583
Foliage, branches etc. (HS-Code 0604)	1 642	935	1 215	903	793	1 738	1 029	6 751	1 279	1 244	1 007
Total	53 852	55 961	64 560	77 007	86 276	90 592	94 303	80 472	75 767	72 562	75 632

Source: ITC Trade map, 2024

Imports – Flowers and plants, value in 1 000 EUR

	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
Cut flowers and flower buds (HS-Code 0603)	702 759	837 428	714 307	693 592	754 481	869 392	850 052	913 180	915 799	857 007	780 509
Live plants (including their roots) (HS-Code 0602)	793 480	784 232	407 826	486 935	444 284	435 375	384 298	386 518	398 908	379 718	355 810
Bulbs, tubers, corms, etc. (HS-Code 0601)	101 136	111 881	71 102	89 667	82 668	93 175	87 812	91 802	97 524	101 031	100 500
Foliage, branches etc. (HS-Code 0604)	82 138	82 138	69 851	54 059	55 506	60 959	44 755	46 885	57 576	45 868	42 616
Total	1 679 513	1 815 679	1 463 874	1 384 249	1 336 939	1 458 901	1 366 917	1 438 385	1 469 807	1 383 624	1 279 435

Source: ITC Trade Map, 2024

AREA AND PRODUCTION

Country pages

United Kingdom – External trade ornamental horticultural products

Exports from United Kingdom in 2023 by value in 1 000 EUR			
Cutflowers	23 946	Cutflowers, fresh	22 976
		Cutflowers, treated	970
Live plants (with roots) and cuttings (without roots)	14 716	Live plants (excl. Fruit trees and bushes)	12 426
		Fruit trees, shrubs and bushes	1 985
Bulbs, tubers, etc.	8 617	Bulbs, tubers, etc., dormant	8 424
		Bulbs, tubers, etc., flowering or in growth	193
Cut foliage, branches, mosses and lichens etc., fresh or treated	1 696	Cut foliage, branches, mosses and lichens etc., fresh (incl. Christmas trees)	1 249
		Cut foliage, branches, mosses and lichens, dried or treated	446
Total	48 974		

Imports to United Kingdom in 2023 by value in 1 000 EUR			
Live plants (with roots) and cuttings (without roots)	720 368	Live plants (excl. Fruit trees and bushes)	689 015
		Fruit trees, shrubs and bushes	21 468
Cutflowers	704 822	Cutflowers, fresh	678 866
		Cutflowers, treated	25 956
Bulbs, tubers, etc.	100 592	Bulbs, tubers, etc., dormant	81 618
		Bulbs, tubers, etc., flowering or in growth	18 974
Cut foliage, branches, mosses and lichens etc., fresh or treated	66 219	Cut foliage, branches, mosses and lichens etc., fresh (incl. Christmas trees)	55 103
		Cut foliage, branches, mosses and lichens, dried or treated	11 116
Total	1 592 001		

Top Ten Countries Exporting to United Kingdom in 2023 by value in 1 000 EUR			
Netherlands	1 137 488	Other fresh cut flowers (215 294) / Ornamental nursery stocks (197 446) / Other live plants (130 527)	
Kenya	141 211	Roses (101 501) / Other fresh cut flowers (23 338) / Chrysanthemums (6 937)	
Colombia	72 050	Chrysanthemums (35 127) / Treated cut flowers (13 931) / Roses (12 704)	
Italy	46 221	Ornamental nursery stocks (31 487) / Other live plants (7 388) / Foliage plants (1 811)	
Belgium	35 150	Other live plants (14 646) / Ornamental nursery stocks (7 243) / Foliage plants (4 073)	
France	23 936	Other live plants (7 680) / Other fresh cut flowers (3 989) / Ornamental nursery stocks (2 793)	
Ireland	17 857	Christmas trees (3 605) / Treated cut flowers (2 114) / Roses (2 020)	
Germany	17 567	Other live plants (5 633) / Ornamental nursery stocks (5 268) / Cuttings and young plants (3 313)	
Denmark	15 675	Christmas trees (10 844) / Foliage plants (2 297) / Ornamental nursery stocks (2 105)	
Ethiopia	14 484	Roses (14 438) / Treated foliage (47)	
others	70 413		
Total	1 592 052	Imports by United Kingdom	

Top Ten Countries Importing from United Kingdom in 2023 by value in 1 000 EUR			
Netherlands	24 046	Other fresh cut flowers (18 340) / Flower bulbs (4 239) / Fruit trees and shrubs (478)	
Ireland	12 948	Cuttings and young plants (4 548) / Other live plants (3 585) / Flowering pot plants (1 762)	
United States	3 425	Flower bulbs (2 848) / Treated cut flowers (357) / Other fresh cut flowers (123)	
Germany	2 454	Other fresh cut flowers (2 190) / Flower bulbs (119) / Other live plants (31)	
France	1 584	Christmas trees (726) / Cuttings and young plants (233) / Other live plants (205)	
Spain	995	Fruit trees and shrubs (791) / Lilies (103) / Treated cut flowers (52)	
Poland	595	Other fresh cut flowers (567) / Mosses and lichens (13) / Flower bulbs (9)	
Portugal	336	Fruit trees and shrubs (212) / Other live plants (83) / Cuttings and young plants (28)	
Japan	289	Rose plants (275) / Treated cut flowers (10) / Roses (4)	
Mexico	275	Fruit trees and shrubs (186) / Fruit trees and shrubs (88)	
others	2 027		
Total	48 974	Exports by United Kingdom	

Source: UK Trade Info, Overseas trade by commodity code 2023

Economic indicators 2023

Population:	334.9 millions
Surface area:	9 831 500 km ²
Population density:	36 people per km ²
Gross national income ¹ :	26 895 in billion \$
- per capita:	80 300 in \$
Purchasing power parity: (gross national income)	27 525 in billion \$
- per capita:	82 190 per capita in \$
Gross domestic product:	2.5 % growth
Gross domestic product:	2.0 per capita % growth

¹ Atlas method

Source: Worldbank, 2024, World Development Indicators

Ornamental plants under protection and in the open

Area in hectares

	2022	2017	2012	2007	2002
In the open					
Floriculture and bedding crops					
Bedding/garden plants	7 785	6 150	6 428	7 546	8 964
Cut flowers and cut florist greens	12 733	9 551	9 219	10 400	13 387
Foliage plants, indoor	2 280	799	1 393	1 961	.
Potted flowering plants	2 275	1 477	2 154	1 704	.
Other floriculture and bedding crops	1 792	2 101	2 101	321	.
Nursery crops					
Nursery stock	159 275	136 726	163 649	180 692	187 626
Aquatic plants	560	12	15	.	.
Sod harvested	152 254	137 412	130 030	165 699	156 414
Christmas trees	118 188	119 449	125 197	138 960	.
Propagative materials					
Bulbs, corms, rhizoms and tubers , dry	2 290	3 462	2 509	2 452	.
Cuttings, seedlings, liners and plugs	2 688	1 669	2 295	1 655	.
Flower seeds	2 573	4 584	3 384	3 929	3 341
Under glass or other protection					
Floriculture and bedding crops					
Bedding/garden plants	3 569	3 566	3 374	3 354	3 595
Cut flowers and cut florist greens	1 469	2 122	2 185	1 620	2 140
Foliage plants, indoor	1 270	915	1 151	1 299	1 702
Potted flowering plants	1 358	1 353	1 274	1 325	1 608
Other floriculture and bedding crops	127	122	130	19	.
Nursery crops					
Nursery stock	3 120	2 869	2 401	2 061	1 744
Propagative materials					
Bulbs, corms, rhizoms and tubers , dry	53	16	12	20	.
Cuttings, seedlings, liners and plugs	332	345	331	278	.
Flower seeds	7	5	3	3	.

Source: 2022 Census of Agriculture, U.S. Department of Agriculture, National Agricultural Statistics Service, Table 39140

Ornamental plants under protection and in the open

Number of farms

	2022	2017	2012
In the open			
Floriculture and bedding crops			
Bedding/garden plants	8 786	6 814	6 948
Cut flowers and cut florist greens	9 540	5 809	4 981
Foliage plants, indoor	1 316	756	716
Potted flowering plants	2 995	2 361	2 000
Other floriculture and bedding crops	1 108	1 051	
Nursery crops			
Nursery stock	17 289	15 092	19 184
Aquatic plants	502	410	337
Sod harvested	1 447	1 495	1 739
Christmas trees	16 612	15 008	15 494
Propagative materials			
Bulbs, corms, rhizoms and tubers , dry	1 077	846	681
Cuttings, seedlings, liners and plugs	1 318	913	594
Flower seeds	609	487	323
Under glass or other protection			
Floriculture and bedding crops			
Bedding/garden plants	13 086	12 919	14 216
Cut flowers and cut florist greens	3 192	2 078	1 706
Foliage plants, indoor	3 493	2 670	2 300
Potted flowering plants	4 649	4 206	4 051
Nursery crops			
Nursery stock	5 441	4 302	4 883
Aquatic plants	310	331	277
Propagative materials			
Bulbs, corms, rhizoms and tubers , dry	393	347	93
Cuttings, seedlings, liners and plugs	1 511	1 356	1 114
Flower seeds	317	294	212

Source: 2022 Census of Agriculture, U.S. Department of Agriculture, National Agricultural Statistics Service, Table 39140

Ornamental plants under protection and in the open

Value of sales (in million USD)

	2022	2017	2022	2017
	in USD		in EUR	
Floriculture and bedding crops				
Bedding/garden plants	4 259	3 894	3 956	3 447
Cut flowers and cut florist greens	763	672	708	595
Foliage plants, indoor	1 000	449	929	398
Potted flowering plants	1 316	1 050	1 222	929
Other floriculture and bedding crops	135	127	125	113
Nursery crops				
Nursery stock	8 088	5 890	7 512	5 213
Aquatic plants	35	19	32	17
Sod harvested	.	1 149	.	1 017
Christmas trees	553	377	514	334
Propagative materials				
Bulbs, corms, rhizoms and tubers, dry	92	83	85	74
Cuttings, seedlings, liners and plugs	869	644	807	570
Flower seeds	41	25	38	22

Source: 2022 Census of Agriculture, U.S. Department of Agriculture, National Agricultural Statistics Service, Table 39140

Flowers and pot plants

Area in hectares

	2023	2022	2021	2020	2019	2018	2015	2014	2013
Glass greenhouses	688	631	621	539	544	538	511	534	533
Fiberglass and other rigid greenhouses	653	703	707	505	591	589	587	676	629
Film plastic (single / multi greenhouses)	3 501	3 520	3 731	2 891	3 152	2 803	2 705	2 849	2 768
Total greenhouse cover	4 843	4 854	5 059	3 935	4 287	3 930	3 803	4 060	3 930
Shade and temporary cover	3 067	2 881	3 173	3 016	2 672	4 054	3 322	3 085	2 898
Total covered area	7 910	7 735	8 232	6 950	6 959	7 984	7 125	7 146	6 828
Open ground	18 701	19 045	22 652	19 721	32 328	15 523	16 205	24 718	16 386

Source: United States, Department of Agriculture, National Agricultural Statistics Service, 2024
Operations with 10 000 or more USD sales

AREA AND PRODUCTION

Country pages

Number of producers

Year	Number
2023	3 261
2022	3 469
2021	3 599
2020	2 604
2019	2 672
2018	2 792
2015	2 595

Source: United States, Department of Agriculture, National Agricultural Statistics Service, 2024
Operations with 100 000 ore more USD sales

Production of cut flowers

In 1 000 stems if not otherwise stated

	2023	2022	2021	2020	2019	2018	2015	2014	2013
Tulips	148 725	187 706	188 514	175 096	182 205	173 247	167 378	160 990	161 926
Gerbera	31 033	45 010	71 419	83 353	96 889	90 999	106 680	105 028	98 535
Lilies, all	51 387	66 145	68 909	68 546	80 946	72 435	82 551	79 432	87 094
Gladioli, 1 000 spikes	28 501	28 795	31 567	44 712	49 880	61 647	60 778	61 724	59 435
Iris	15 169	15 642	15 741	12 585	32 340	36 466	43 787	45 682	54 635
Roses, all	18 552	15 390	17 051	16 038	17 265	29 774	27 812	30 555	28 626
Snapdragons	11 466	12 697	14 282	19 304	22 839	28 218	43 863	41 467	42 013
Sunflower	20 651	15 706	23 925	21 550	24 148	14 030	.	.	.
Chrysanthemums, pompon 1 000 bunches	899	2 450	2 411	1 765	3 668	6 880	7 777	6 677	9 009
Peony	11 117	11 580	9 491	8 770	10 299	5 491	.	.	.
Orchids, all, 1 000 blooms	2 119	4 219	3 942	3 298	3 047	3 628	4 682	6 737	5 846
Delphinium and Larkspur	6 510	5 103	7 071	.	.	.	12 671	17 091	16 929
Alstroemeria	.	.	.	.	.	.	7 747	8 890	10 164
Lisianthus	2 815	3 459	4 958	.	.	.	9 010	8 484	9 216
Carnation, standard	.	.	.	.	.	.	896	797	624
Leatherleaf ferns 1 000 bunches	.	21 188	24 834	22 142	24 584	29 650	33 319	32 385	32 209

Source: United States, Department of Agriculture, National Agricultural Statistics Service, 2024
Operations with 100 000 ore more USD sales

Production of pot plants for indoor or patio use

In 1 000 pots

	Pots less than 12.7 cm (5 inches)									
	2023	2022	2021	2020	2019	2018	2015	2014	2013	
Orchids	20 770	25 134	17 915	17 411	19 044	20 546	19 393	19 085	18 934	
Poinsettias	8 803	10 757	10 267	8 843	9 422	8 479	6 509	6 338	6 610	
Florist roses	2 033	2 211	2 256	4 226	4 125	8 353	6 341	7 751	5 976	
Spring flowering bulbs	8 596	8 669	9 254	9 768	7 361	6 347	5 548	5 018	4 623	
Florist chrysanthemums	2 603	3 006	2 822	2 553	2 303	2 185	457	1 239	613	
African violets	.	.	.	.	.	.	2 641	2 595	2 572
Finished florist azaleas	.	.	.	.	.	.	103	22	1 109
Easter lilies	591	1 468	1 478	499	590	1 098	155	785	295	
Other flowering plants	18 975	22 838	26 036	29 665	42 530	31 310	23 575	25 569	24 868	
Foliage plants, hanging baskets	.	.	.	.	.	.	.	.	.

	Pots 12.7 cm (5 inches) or larger									
	2023	2022	2021	2020	2019	2018	2015	2014	2013	
Orchids	11 886	14 544	17 081	16 916	18 633	14 142	16 983	14 474	12 750	
Poinsettias	25 306	29 756	30 764	26 590	27 071	25 720	25 459	27 263	26 797	
Florist roses	1 698	1 969	1 779	2 003	1 732	2 478	1 784	934	2 750	
Spring flowering bulbs	8 898	8 898	10 153	9 169	9 443	16 502	16 865	10 791	11 013	
Florist chrysanthemums	4 570	6 533	5 762	3 630	5 234	5 495	4 119	4 673	5 343	
African violets	.	.	.	.	.	.	8	9	33
Finished florist azaleas	.	.	.	.	.	.	3 587	4 063	3 313
Easter lilies	4 479	4 642	5 178	4 253	4 420	5 525	5 370	5 099	5 901	
Other flowering plants	21 364	19 645	25 230	33 390	47 806	40 991	29 889	32 190	26 835	
Foliage plants, hanging baskets	.	.	.	12 887	10 865	13 071	11 556	10 199	11 493	

Source: United States, Department of Agriculture, National Agricultural Statistics Service, 2024
Operations with 100 000 ore more USD sales

AREA AND PRODUCTION

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Production of annual bedding and garden plants

In 1 000 pots if not otherwise stated

1000 Flats	2023	2022	2021	2020	2019	2018	2015	2014	2013
Petunias	.	7 085	7 740	6 416	6 044	5 751	6 448	6 896	6 581
Pansies,Violas	6 485	6 864	7 148	5 495	5 420	5 269	6 297	7 272	6 369
Impatiens, other	4 260	4 070	4 249	4 448	3 908	4 896	4 404	4 775	5 055
Begonias	4 619	5 194	5 366	3 970	4 158	4 240	3 819	3 970	3 758
Marigolds	4 317	4 302	4 756	3 892	3 717	3 495	3 587	3 671	3 488
Geranium, veg. cutting	300	342	408	413	388	556	248	252	325
New Guinea Impatiens	.	698	522	500	557	547	368	625	335
Geranium, seeds	.	258	316	.	.	.	425	372	475
Other flowering and foliar plants	15 388	17 861	17 542	14 852	13 951	14 488	14 811	14 788	16 275
Vegetable type plants	3 463	3 223	3 567	4 933	3 728	7 330	5 453	4 861	4 998
Hardy/garden Chrysanthemums	.	.	.	.	.	.	.	.	.

1000 Hanging baskets	2023	2022	2021	2020	2019	2018	2015	2014	2013
Petunias	.	7 277	8 158	5 996	5 612	6 154	5 294	5 557	4 986
Pansies,Violas	1 719	1 649	1 801	1 299	1 065	1 077	1 111	1 182	1 085
Impatiens, other	1 671	1 731	2 136	2 037	1 747	2 124	2 098	2 021	2 065
Begonias	3 851	3 878	3 074	2 248	2 066	1 954	1 960	1 849	2 016
Marigolds	134	139	240	129	145	192	139	137	117
Geranium, veg. cutting	3 875	4 123	4 403	3 289	3 207	4 005	3 310	3 320	3 126
New Guinea Impatiens	.	2 350	2 710	2 197	2 234	2 123	2 388	2 294	2 254
Geranium, seeds	.	390	357	.	.	.	438	460	415
Other flowering and foliar plants	15 081	16 570	15 911	14 448	13 839	15 187	15 269	13 259	14 797
Vegetable type plants	227	144	136	.	.	.	.	.	.
Hardy/garden Chrysanthemums	.	.	.	.	.	.	.	.	.

Pots less than 12.7 cm (5 inches)	2023	2022	2021	2020	2019	2018	2015	2014	2013
Petunias	.	20 661	21 391	16 984	17 989	16 681	17 664	17 627	18 713
Pansies,Violas	22 759	25 700	28 653	17 616	14 777	14 732	23 029	22 813	21 953
Impatiens, other	10 152	11 374	11 272	10 996	9 031	7 786	6 754	7 115	8 825
Begonias	21 420	24 664	19 155	13 958	13 189	16 923	16 853	16 901	18 296
Marigolds	9 227	11 480	12 361	6 826	7 868	8 020	9 100	9 264	8 637
Geranium, veg. cutting	18 787	17 836	18 238	19 829	20 423	20 587	19 821	21 093	20 429
New Guinea Impatiens	.	11 458	11 522	10 681	10 104	13 989	12 864	12 971	13 325
Geranium, seeds	.	13 022	11 178	.	.	.	13 336	17 230	17 825
Other flowering and foliar plants	114 053	117 210	129 976	116 635	119 166	115 900	106 082	98 436	111 363
Vegetable type plants	17 396	.	74 131	62 465	41 170	37 663	36 402	44 491	31 816
Hardy/garden Chrysanthemums	.	.	14 638	11 259	10 139	15 810	9 326	14 727	15 558

Pots 12.7 cm (5 inches) or larger	2023	2022	2021	2020	2019	2018	2015	2014	2013
Petunias	.	8 008	9 206	9 332	10 443	10 173	7 815	7 763	8 251
Pansies,Violas	9 745	11 036	11 767	8 200	8 439	7 522	6 418	6 273	6 155
Impatiens, other	2 314	2 531	3 183	2 894	2 351	2 104	3 614	3 776	3 629
Begonias	8 154	9 135	5 923	5 245	5 322	5 958	4 757	3 619	4 118
Marigolds	2 795	3 214	2 931	2 178	2 116	2 357	1 745	1 273	1 819
Geranium, veg. cutting	7 707	9 801	10 686	9 114	9 562	11 701	11 724	11 119	11 554
New Guinea Impatiens	2 961	3 536	3 727	4 003	3 689	4 679	4 024	4 160	4 045
Geranium, seeds	694	2 272	2 295	.	.	.	1 119	340	393
Other flowering and foliar plants	67 176	48 242	78 882	68 357	53 091	64 616	47 534	45 668	50 025
Vegetable type plants	23 136	28 681	20 780	16 597	16 943	7 998	8 174	10 531	10 057
Hardy/garden Chrysanthemums	.	.	47 932	38 432	31 481	47 211	37 885	33 907	33 176

Source: United States, Departement of Agriculture, National Agricultural Statistics Service, 2024
Operations with 100 000 ore more USD sales

AREA AND PRODUCTION

Country pages

Potted herbaceous perennial plants

In 1 000 pots

Less than 3.8 l	2023	2022	2021	2020	2019	2018	2015	2014
Hostas	5 045	6 318	6 333	4 885	4 562	5 128	5 195	5 362
Dayily	2 021	2 147	2 594	1 352	1 248	1 673	.	.
Other herbaceous perennials	64 088	70 086	70 323	64 401	52 825	69 491	57 666	62 508

3.8-7.6 l	2023	2022	2021	2020	2019	2018	2015	2014
Hostas	5 249	5 446	5 979	3 924	3 955	3 521	4 419	3 870
Dayily	2 544	2 613	3 415	2 547	2 366	2 483	.	.
Other herbaceous perennials	51 028	55 995	54 042	51 708	52 653	63 028	62 449	60 111

7.6 l or larger	2023	2022	2021	2020	2019	2018	2015	2014
Hostas	541	515	579	374	397	162	419	398
Dayily	217	233	179	144	152	193	.	.
Other herbaceous perennials	4 166	5 331	4 713	5 213	6 289	14 100	4 271	5 823

Source: United States, Departement of Agriculture, National Agricultural Statistics Service, 2024
Operations with 100 000 ore more USD sales

Distribution of production area in 2022

Production of ornamental plants (floriculture) under protection

Total: 7 795 ha



Floriculture under protection	Production area	
	In ha	In %
Total	7 795	100
Florida	2 742	35
California	995	13
Michigan	530	7
Texas	288	4
Ohio	213	3
Pennsylvania	218	3
New York	250	3
North Carolina	201	3
New Jersey	226	3
Hawaii	147	2
Virginia	150	2
Minnesota	121	2
Oregon	125	2
Illinois	129	2
Other states	1 460	19

Production of ornamental plants (floriculture) in the open

Total: 26 865 ha



Floriculture in the open	Production area	
	In ha	In %
Total	26 865	100
California	5 295	20
Florida	4 677	17
New Jersey	1 399	5
Oregon	1 216	5
Michigan	950	4
Wisconsin	389	1
Washington	1 251	5
Hawaii	630	2
New York	935	3
Virginia	409	2
North Carolina	839	3
Other states	8 875	33

AREA AND PRODUCTION

Country pages

Production of nursery stock

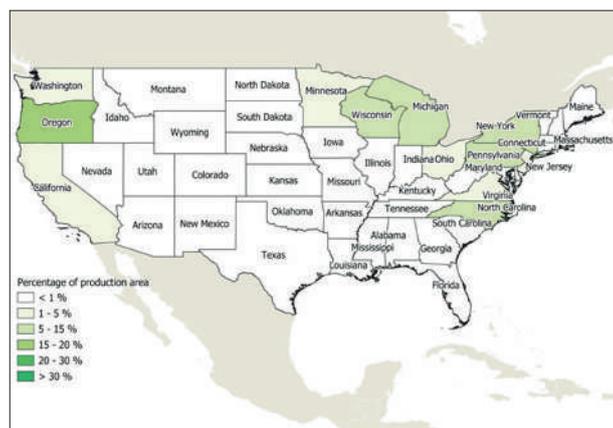
Total: 159 275 ha



Nursery area	Production area	
	In ha	In %
Total	159 275	100
Florida	26 424	17
Oregon	15 023	9
California	11 391	7
North Carolina	8 480	5
New Jersey	8 803	6
Tennessee	9 585	6
Texas	7 316	5
Ohio	5 592	4
Michigan	5 581	4
New York	4 763	3
Pennsylvania	5 845	4
Illinois	4 358	3
Georgia	4 410	3
South Carolina	5 308	3
Virginia	3 696	2
Wisconsin	2 836	2
Maryland	2 995	2
Washington	3 708	2
Minnesota	2 707	2
Arizona	2 367	1
Other states	18 087	11

Production of christmas trees

Total: 118 188 ha



Christmas trees	Production area	
	In ha	In %
Total	118 188	100
Oregon	19 600	17
North Carolina	13 406	11
Michigan	13 409	11
Pennsylvania	9 995	8
Wisconsin	10 512	9
New York	9 139	8
Virginia	3 968	3
California	2 131	2
Washington	5 360	5
Ohio	3 628	3
Minnesota	2 884	2
New Jersey	2 036	2
Connecticut	1 635	1
Maine	1 234	1
Other states	19 251	16

Source: 2022 Census of Agriculture, U.S. Department of Agriculture, National Agricultural Statistics Service

AREA AND PRODUCTION

Country pages

USA – External trade of ornamental horticultural products

Imports – Cut flowers, value in 1 000 EUR

Partner country	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
Colombia	1 203 207	1 081 654	892 349	714 947	704 841	630 151	618 870	595 574	549 233	488 346	489 772
Ecuador	517 047	437 859	325 192	221 831	237 828	213 896	21 618	215 498	18 914	138 294	130 771
Canada	108 051	84 811	68 701	50 220	56 222	50 931	50 132	50 478	43 724	34 155	331
Netherlands	78 721	84 627	67 261	40 101	69 594	62 568	61 138	58 412	48 380	35 836	33 436
Mexico	56 613	58 043	47 238	25 225	28 417	25 898	29 094	26 862	26 638	22 421	1 967
Costa Rica	30 367	29 629	24 305	16 633	19 470	16 388	21 043	23 828	22 087	15 493	14 576
Guatemala	19 071	17 508	15 766	11 015	11 391	10 668	9 950	1 029	8 906	7 074	7 021
Peru	8 064	8 033	6 126	4 863	5 648	4 936	4 933	5 392	6 528	513	4 710
Chile	8 867	6 481	5 510	5 364	4 866	4 103	3 919	3 214	3 752	3 094	1 562
Israel	6 482	5 948	495	2 757	5 298	5 689	5 038	4 588	4 201	2 592	2 338
Thailand	7 307	7 498	4 789	2 111	7 529	975	9 981	8 952	720	5 319	6 102
China	2 842	3 042	3 186	1 784	2 273	164	1 252	1 105	887	470	751
Ethiopia	3 502	3 278	2 488	169	2 793	2 150	2 287	2 612	1 759	802	439
Japan	2 549	2 453	2 147	1 214	2 115	1 964	1 845	1 314	983	723	541
South Africa	3 440	2 613	194	1 473	2 323	2 002	1 650	1 200	896	690	693
France	3 577	1 749	1 880	365	279	331	346	592	430	373	281
Italy	1 587	1 887	1 814	717	556	464	463	419	426	186	281
Kenya	1 987	966	1 163	716	2 536	1 527	359	3 636	4 366	3 285	2 582
Australia	1 463	1 123	926	479	579	449	405	407	477	488	508
United Kingdom	812	976	675	383	882	544	405	584	506	513	359
India	395	989	522	130	350	247	374	382	629	422	952
Vietnam	405	414	420	166	338	487	407	481	333	180	166
New Zealand	1 744	672	391	169	644	570	1 011	1 083	552	830	1 136
Others	3 086	1 324	8187	1 389	2 702	2 540	2 199	2 418	2 233	1 717	1 886
Total	2 071 186	1 843 577	1 481 722	1 105 742	1 169 476	1 049 892	1 046 519	1 019 320	924 265	768 437	753 593

Source: United States Department of Agriculture, Foreign Agricultural Service, 2024

Import – Cut foliage, value in 1 000 EUR

Partner country	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
Canada	88 495	87 441	79 322	62 887	61 293	46 454	40 201	35 625	32 876	30 796	29 755
Colombia	41 152	39 577	33 342	22 840	19 764	15 695	15 674	13 801	10 982	9 807	13 129
China	16 529	24 433	18 191	13 345	18 627	20 635	16 607	20 369	20 518	14 932	12 777
India	19 766	21 602	16 649	10 627	11 992	10 938	11 509	12 506	10 732	6 471	7 817
Mexico	20 925	20 764	14 027	14 098	12 775	10 579	6 229	6 459	7 234	8 212	7 968
Italy	13 077	15 885	13 455	7 108	9 360	7 999	6 514	5 582	4 621	3 238	3 925
Ecuador	14 912	12 552	10 954	7 717	5 469	4 753	4 109	3 681	2 684	2 495	3 201
Guatemala	7 015	6 488	4 901	3 623	3 504	3 252	3 090	1 254	1 132	890	1 061
Costa Rica	4 696	6 382	4 584	2 587	3 431	2 854	2 705	2 784	2 167	1 882	1 614
Philippines	882	2 123	2 106	1 189	2 008	2 127	2 495	2 667	3 390	2 419	3 213
Israel	4 290	2 366	2 022	1 997	1 702	1 364	1 223	1 616	1 603	824	852
New Zealand	1 019	2 001	1 863	1 168	1 231	1 475	1 290	540	1 852	525	617
Turkey	1 155	1 565	1 339	1 515	1 364	1 356	952	1 145	1 153	619	725
Netherlands	1 934	2 250	1 167	533	232	361	264	325	765	218	331
Brazil	1 062	1 113	818	491	406	455	337	276	400	301	142
Others	10 401	9 179	6 939	6 102	7 688	5 658	6 255	6 864	6 497	4 948	4 877
Total	247 310	255 720	211 678	157 827	160 843	135 958	119 454	115 494	108 607	88 582	92 001

Source: United States Department of Agriculture, Foreign Agricultural Service, 2024

AREA AND PRODUCTION

Country pages

Imports – Flowers and plants, value in 1 000 EUR

	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
Bulbs and tubers, corms etc. dormant	166 669	173 304	151 074	128 515	128 540	122 267	118 884	116 712	120 017	113 250	114 086
Bulbs and tubers, in growth or flower	29 172	23 707	20 249	12 847	17 930	14 745	16 101	16 582	14 325	12 759	11 571
Bulbs and tubers, total	195 841	197 010	171 322	141 362	146 471	137 012	134 985	133 294	134 342	126 008	125 658
Cuttings and slips	135 055	139 148	129 512	102 272	92 099	80 643	78 005	76 552	81 006	64 383	60 852
Trees, shrubs and bushes	36 112	29 634	23 889	17 227	15 103	9 211	9 051	9 461	11 028	9 048	11 814
Rhododendrons and azaleas	4 407	2 613	2 501	1 781	3 027	3 145	3 481	3 181	3 247	2 190	2 176
Rose plants	37 791	29 457	17 500	11 939	12 198	11 426	12 302	11 722	10 909	9 063	8 624
Plants, live	685 418	656 255	546 012	408 612	393 881	343 171	328 595	307 357	290 370	232 742	208 401
Live Plants, total	898 783	857 106	719 413	541 832	516 310	447 595	431 435	408 274	396 562	317 425	291 867
Roses	889 845	768 414	620 607	484 475	505 028	435 846	416 578	417 023	383 612	326 059	301 647
Carnations	150 192	126 888	102 770	79 515	80 002	72 321	74 260	67 529	62 883	57 152	60 533
Orchids	15 552	14 414	10 470	5 199	13 628	15 707	15 841	15 094	11 886	9 666	10 333
Chrysanthemums	254 865	223 680	177 404	141 596	138 750	131 851	136 988	135 315	126 825	107 012	107 002
Lilies	103 472	83 719	64 971	49 152	49 651	45 146	43 558	39 991	34 006	25 630	26 299
Other cut flowers, fresh	617 641	594 715	480 195	329 473	366 383	337 207	350 224	334 280	294 032	237 597	241 675
Cut flowers, dried or otherwise treated	39 618	31 746	25 305	16 333	16 033	11 815	9 069	10 087	11 018	5 322	6 104
Cut flowers, total	2 071 185	1 843 576	1 481 722	1 105 742	1 169 476	1 049 892	1 046 519	1 019 320	924 265	768 437	753 593
Foliage, branches, other parts of plants, fresh	170 189	170 429	147 552	107 192	106 673	83 808	74 516	67 297	62 297	52 957	53 443
Foliage, branches, other parts of plants, treated	77 121	85 290	64 126	50 635	54 171	52 151	44 938	48 197	46 310	35 624	38 558
Cut foliage, total	247 310	255 719	211 678	157 827	160 843	135 958	119 454	115 494	108 607	88 582	92 001
Total	3 413 119	3 153 413	2 584 137	1 946 762	1 993 100	1 770 456	1 732 391	1 676 381	1 563 775	1 300 452	1 263 119

Source: United States Department of Agriculture, Foreign Agricultural Service, 2024

Exports – Cut foliage, value in 1 000 EUR

Partner country	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
Netherlands	36 087	46 608	35 814	36 360	47 930	42 905	52 447	67 374	48 657	37 034	38 907
Canada	28 498	31 659	26 771	20 949	21 184	20 295	20 787	18 226	19 224	17 140	17 252
Mexico	14 491	15 623	13 008	11 443	12 799	13 945	15 557	16 472	14 912	11 687	11 788
Japan	1 551	1 669	1 443	1 396	1 996	1 664	1 484	1 405	1 535	1 384	1 254
Germany	813	752	1 044	488	1 187	1 437	1 808	1 055	1 444	834	1 614
Korea, South	1 040	1 285	820	600	896	984	1 036	579	357	89	91
Switzerland	3	100	729	337	39	18	124	45	68	38	81
Dominican Republic	341	1 105	724	43	690	406	23	5	34	280	18
Saudi Arabia	790	965	617	336	701	530	598	732	785	546	440
Netherlands Antilles	610	294	533	216	980	1 859	567	445	590	393	196
Others	6 947	6 353	4 190	4 850	6 448	9 581	4 944	6 931	9 240	9 900	11 280
Total	91 171	106 413	85 693	77 017	94 851	93 626	99 372	113 265	96 849	79 325	82 921

Source: United States Department of Agriculture, Foreign Agricultural Service, 2024

Exports – Cut flowers, value in 1 000 EUR

Partner country	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
Canada	14 255	15 466	14 212	10 428	11 968	11 805	12 467	12 951	16 077	14 440	16 564
Mexico	453	2 142	1 180	253	1 069	526	140	174	85	86	8
Japan	659	769	473	429	641	914	726	617	580	528	724
Others	592	2 044	1 504	1 174	1 945	1 869	3 642	3 341	3 224	1 771	578
Total	15 959	20 421	17 368	12 285	15 624	15 114	16 974	17 085	19 965	16 824	17 874

Source: United States Department of Agriculture, Foreign Agricultural Service, 2024

AREA AND PRODUCTION

Country pages

Exports – Flowers and plants, value in 1 000 EUR

	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
Bulbs and tubers, corms etc. dormant	6 462	7 363	5 077	3 920	3 897	4 256	8 995	8 407	6 604	9 172	7 802
Bulbs and tubers, in growth or flower	5 985	5 531	4 666	3 205	3 000	4 234	7 383	5 302	2 865	3 143	5 237
Bulbs and tubers, total	12 447	12 894	9 743	7 125	6 897	8 489	16 379	13 709	9 469	12 314	13 039
Cuttings and slips	11 807	13 257	11 771	11 388	11 293	11 771	12 332	9 835	11 510	8 630	8 854
Trees, shrubs and bushes	97 069	98 785	89 609	91 105	91 256	79 431	68 550	55 856	50 156	45 140	41 641
Rhododendrons and azaleas	3 004	3 415	2 997	2 641	2 756	2 613	3 347	3 197	3 559	3 187	4 006
Roses, plants	5 454	4 214	3 358	2 876	2 766	2 530	2 667	2 458	2 702	1 779	2 321
Plants, live	233 823	230 538	200 403	157 344	167 896	158 943	157 838	154 300	156 507	130 501	127 715
Live Plants, total	351 157	350 210	308 103	265 353	275 967	255 290	244 735	225 646	224 434	189 237	184 537
Roses	4 371	4 610	3 802	2 795	3 291	2 941	3 058	3 386	4 148	3 590	3 982
Carnations	892	892	994	804	688	666	822	1 026	1 161	1 021	1 140
Orchids	38	37	83	8	83	120	98	65	243	352	483
Chrysanthemums	681	840	1 015	674	690	939	868	982	1 160	955	987
Lilies	201	351	427	206	604	378	340	647	671	818	934
Other cut flowers, fresh	8 656	11 215	9 224	6 523	7 797	7 623	7 641	7 315	8 959	7 785	9 175
Cut flowers, dried or otherwise treated	1 120	2 477	1 823	1 276	2 470	2 448	4 146	3 663	3 623	2 304	1 174
Cut flowers, total	15 959	20 421	17 392	12 285	15 624	15 114	16 974	17 085	19 965	16 824	17 874
Foliage, branches, other parts of plants, fresh	79 588	92 148	71 904	54 484	79 975	80 387	85 802	66 178	53 965	45 802	38 212
Foliage, branches, other parts of plants, treated	11 583	14 264	13 789	22 533	14 877	13 239	13 570	47 088	42 883	33 523	44 710
Cut foliage, total	91 171	106 412	85 693	77 017	94 851	93 626	99 372	113 265	96 849	79 325	82 921
Total	470 734	489 936	420 943	361 780	393 339	372 519	377 460	369 705	350 717	297 701	298 371

Source: United States Department of Agriculture, Foreign Agricultural Service, 2024

USA: Expanded wholesale value 2010–2023

(operations with 10 000 or more USD sales)

in billion USD

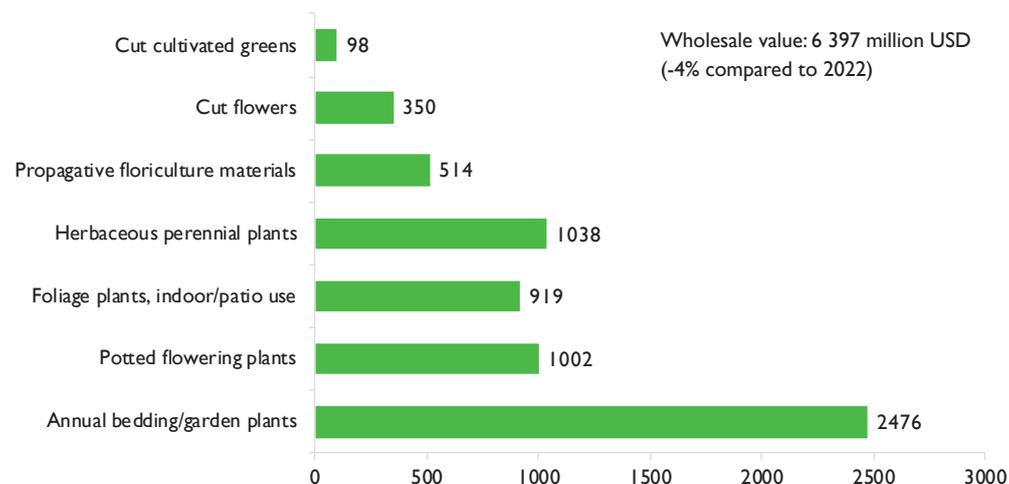


Source: United States, Department of Agriculture, Floriculture Crops 2023 Summary, May 2024

USA: Wholesale value of floricultural sales by plant category 2023

(operations with 100 000 or more USD sales)

in million USD

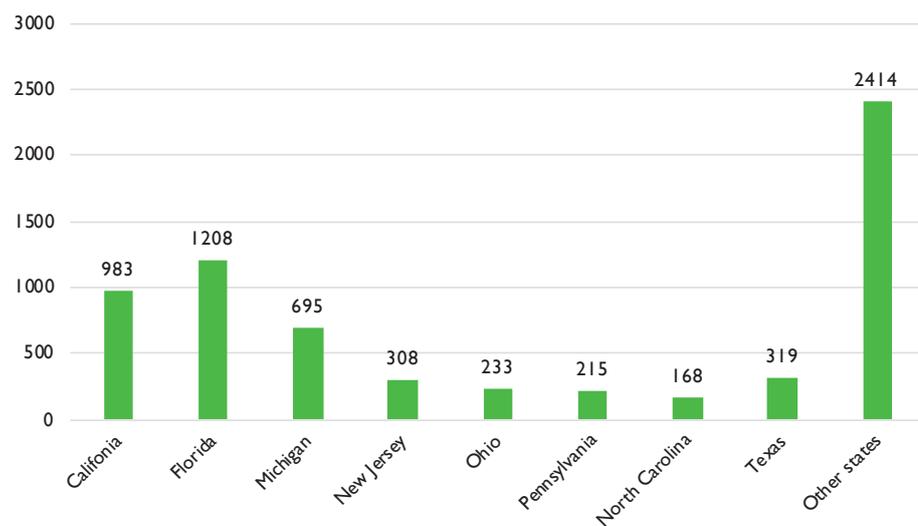


Source: United States, Department of Agriculture, Floriculture Crops 2023 Summary, May 2024

USA: Distribution of wholesale value of floriculture crops by state 2023

(operations with 100 000 or more USD sales)

Wholesale value in 1 million USD



Distribution

Floriculture crop value¹ – In 1 million USD

State	Wholesale value of all plant categories ²	in %
California	983	15
Florida	1 208	18
Michigan	695	11
New Jersey	308	5
Ohio	233	4
Pennsylvania	215	3
North Carolina	168	3
Texas	319	5
Other states	2 414	37
Total	6 543	100

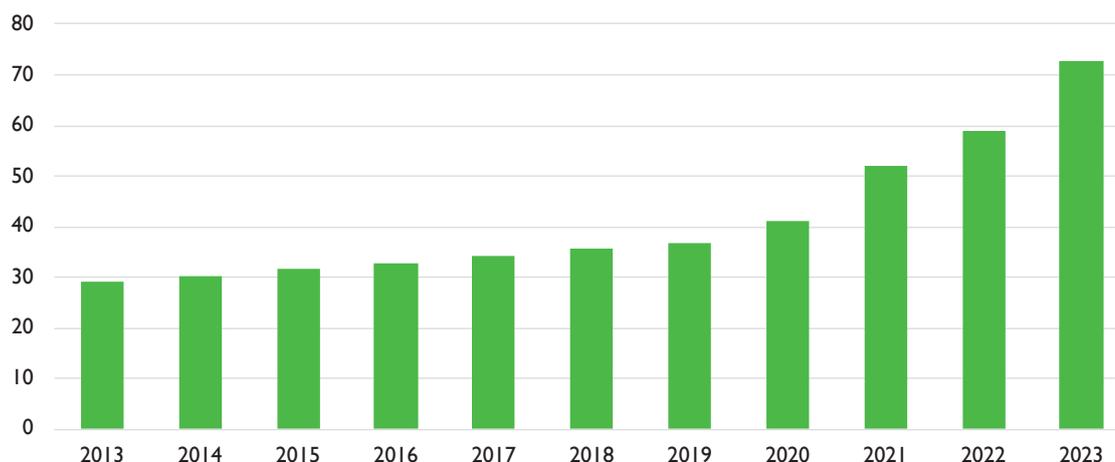
¹ operations with 100 000 or more USD sales

² includes bedding garden plants, herbaceous perennial plants, potted flowering plants, foliage plants for indoor or patio use, cut flowers, Cut cultivated greens, propagative floriculture material.

Source: United States, Department of Agriculture, Floriculture Crops 2023 Summary, May 2024

US: Personal consumption expenditures on flowers, seeds and potted plants, 2011–2023

in billion USD



Source: U.S. Bureau of Economic Analysis, 2024

VIETNAM

Flowers and plants

Area in hectares

Products	2020	2019	2018	2017	2016	2015	2008 ⁴
Chrysanthemums	800
Roses	700
Gladiolus	300
Carnations	150
Other cut flowers and foliage	2 550
Total cut flowers and foliage	4 500
Total plants and ornamental trees	8 700
Total	35 000¹	32 823e	30 645e	28 468e	26 290e	24 113e	13 200

Regions	2020	2019	2018	2017	2016	2015	2008 ⁴
Lam Dong Province (Dalat)	.	.	8283 ³	8152 ³	7909 ³	.	2 025
HCMC (Cu chi)	700
Hanoi (Tay tuu, Tu Liem)	7960 ²	7465e	6970e	6474e	5979e	5484 ²	330
Hai Phong (Red river delta)	300
Lao Cai (Sapa, north)	135
Red river delta	7 200
Sourth east	1 580
South west	1 800
Others	2 650
Total	35 000¹	32 823e	30 645e	28 468e	26 290e	24 113e	13 200

e: estimated

¹ Source: Institute of Vegetable and Fruit Research under the Ministry of Agriculture and Rural Development

² Source: Ha Noi Rural Development Division

³ Source: Vietnam Journal of Agricultural Sciences - May 2021

⁴ Source: Dutch Embassy Hanoi, Agriculture, Nature and Food Section, published in: An overview of the floriculturall sector in Greater China, Vietnam and Thailand, Summer 2008, Ministry of Agriculture, Nature and Food Quality of the Netherlands

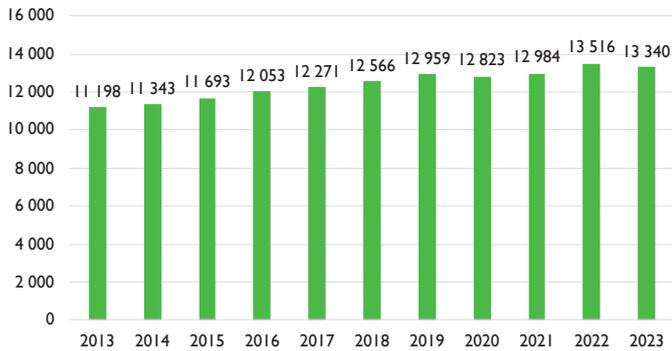


II. PRODUCTS

CPVO STATISTICS

Cumulative titles in force for ornamental plants

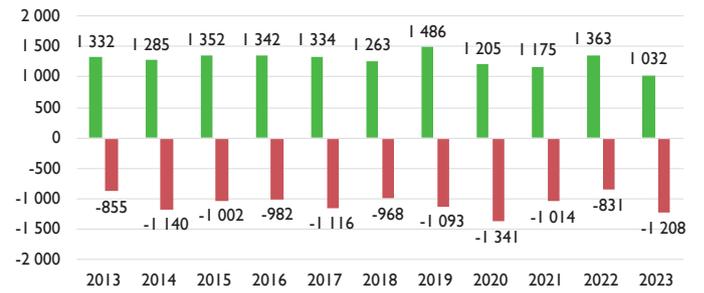
2013–2023



Source: Community Plant Variety Office, 2024

Titles granted and terminated for ornamental plants

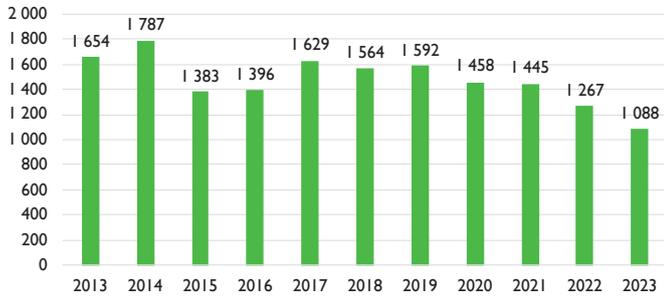
2013–2023



Source: Community Plant Variety Office, 2024

Development in applications for ornamental plants

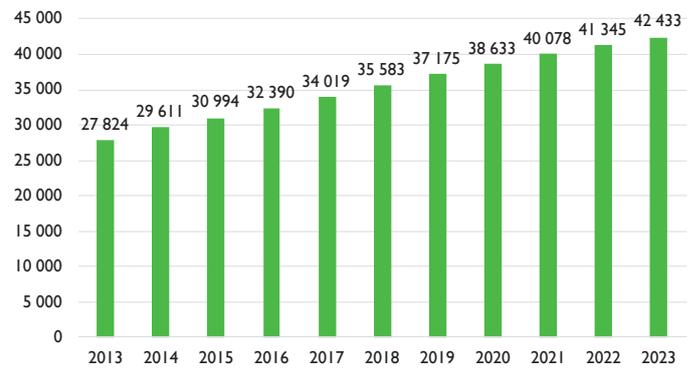
2013–2023



Source: Community Plant Variety Office, 2024

Cumulative applications for ornamental plants

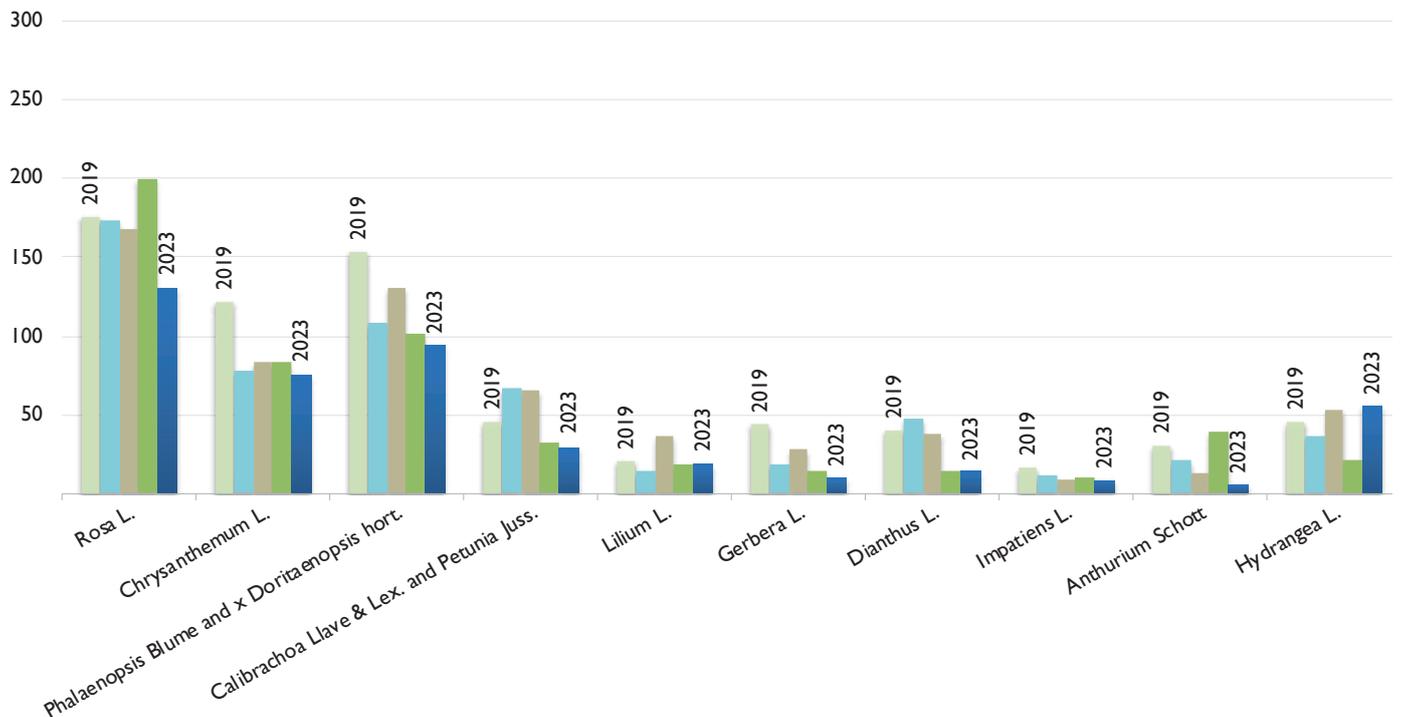
2013–2023



Source: Community Plant Variety Office, 2024

Evolution of number of applications for selected ornamental species

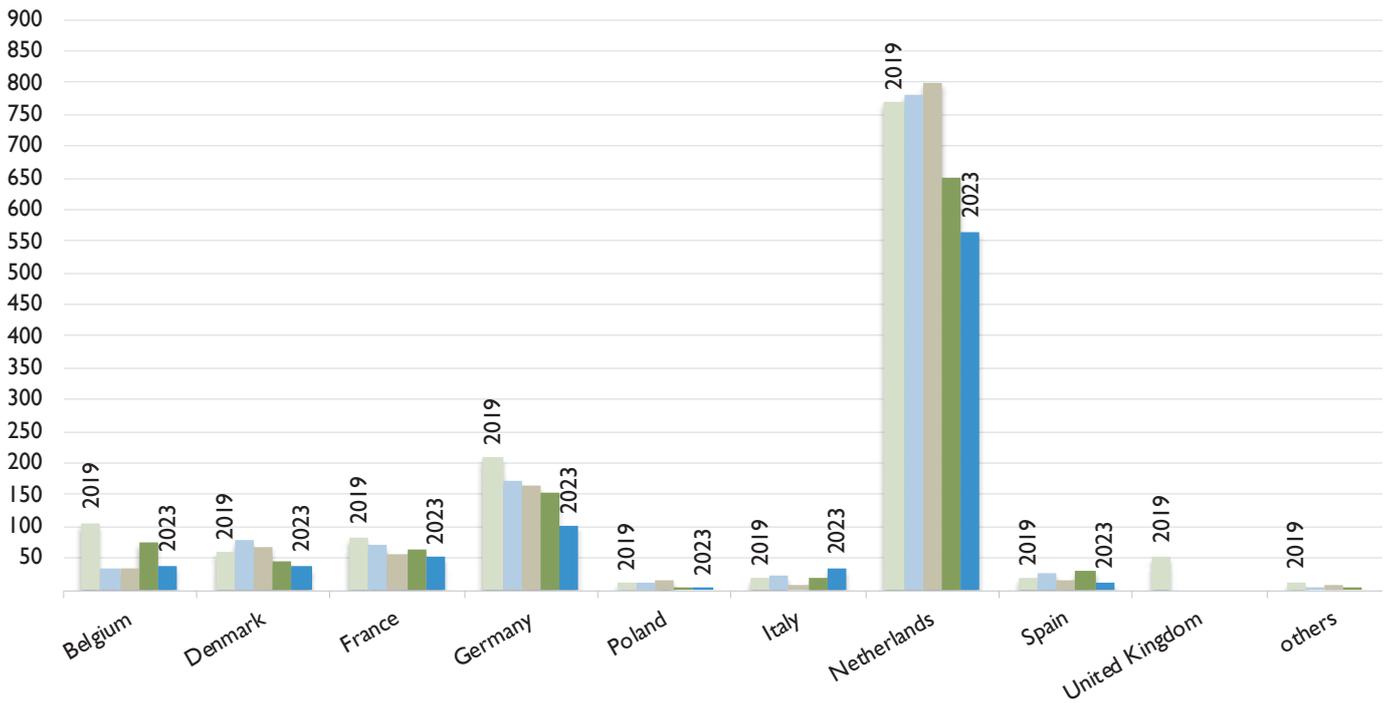
2019–2023



Source: Community Plant Variety Office, 2024

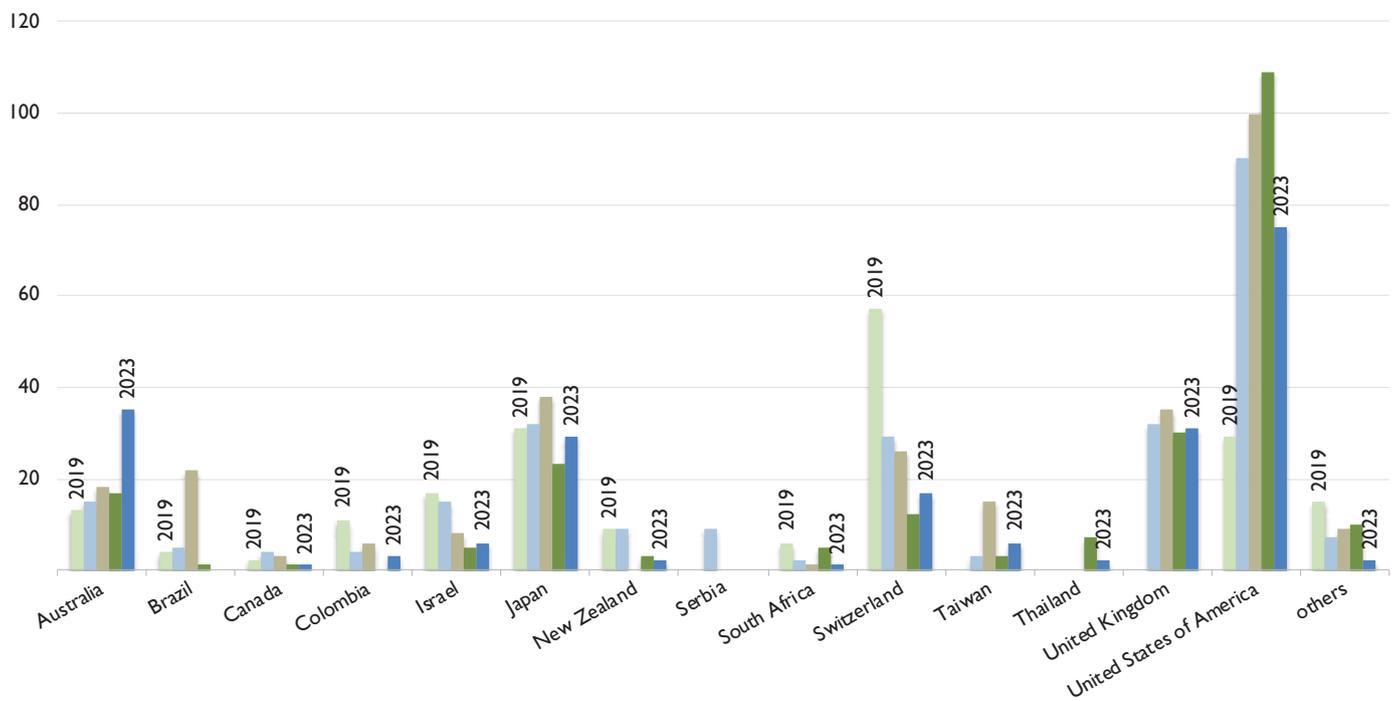
CPVO STATISTICS

Applications for ornamentals listed by country of origin of the main applicant within the European Union 2019–2023



Source: Community Plant Variety Office, 2024

Applications for ornamentals listed by country of origin of the main applicant outside the European Union 2019–2023



Source: Community Plant Variety Office, 2024

PRODUCTS

2.1 ROSES, FRESH CUT

Important producers of roses, fresh cut

Area in ha ¹	Total ²	In the open	Under protection	Year
India	41 000			2023
China	19 049			2020
Ecuador	6 002	160	5 842	2022
Colombia	3 230			2023
Kenya	2 164			2012
Mexico	1 662	528	1 134	2023
Italy	1 221			2005
Vietnam	700			2008
Thailand	1002			2008
Japan	284			2021
Korea, Republic of	237			2020
Germany	234	151	83	2021
Netherlands 3	160		160	2023
Chinese Taipei	166			2019
Poland	144		144	2022
Turkey	284		284	2023
Spain	87	13	74	2022

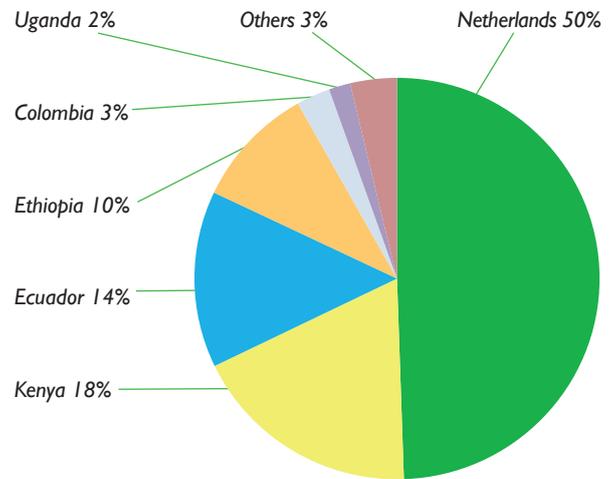
¹ As far as provided

² Including unspecified area

³ Area under protection, revised data

Other important producing countries of fresh cut roses: Ethiopia

Share of exports of fresh cut roses to EU-countries in 2023



Total value:
I 666 million EUR

Source: Eurostat, provisional data 2023

Top 15 countries exporting roses, fresh cut to EU-countries in 2023

	I 000 EUR	I 000 pieces	Exporting to (value in I 000 EUR)
Netherlands	811 644	2 441 566	Germany (265 236) / France (112 992) / Italy (93 624)
Kenya	315 050	2 161 514	Netherlands (286 068) / Germany (18 985) / France (2 779)
Ecuador	265 143	538 730	Netherlands (228 730) / Spain (32 955) / Italy (1 841)
Ethiopia	149 782	1 538 776	Netherlands (145 440) / Germany (1 999) / Italy (1 134)
Colombia	43 892	108 865	Netherlands (26 245) / Spain (16 362) / France (440)
Uganda	28 408	221 340	Netherlands (28 408)
Spain	9 568	14 585	Portugal (7 902) / France (965) / Netherlands (598)
Zambia	9 034	100 139	Netherlands (4 987) / Germany (4 047)
Germany	5 878	9 121	Netherlands (3 021) / Austria (1 455) / Czech Rep. (264)
Italy	4 975	8 754	France (1 227) / Germany (757) / Lithuania (735)
Belgium	3 505	10 653	Germany (1 288) / France (1 247) / Luxembourg (502)
United Kingdom	2 715	443	Ireland (2 695) / Netherlands (16) / Germany (3)
Austria	2 316	3 128	Hungary (1 260) / Latvia (797) / Slovenia (164)
Finland	2 118	4 161	Poland (1 844) / Latvia (155) / Estonia (117)
Poland	1 866	5 029	Slovakia (1 433) / Austria (209) / Netherlands (126)
others	9 854	36 617	
Total	I 665 749	7 203 421	

Top 15 EU-countries importing roses, fresh cut in 2023

	I 000 EUR	I 000 pieces	Importing from (value in I 000 EUR)
Netherlands	727 814	4 343 796	Kenya (286 068) / Ecuador (228 730) / Ethiopia (145 440)
Germany	293 399	1 194 428	Netherlands (265 236) / Kenya (18 985) / Zambia (4 047)
France	120 365	385 048	Netherlands (112 992) / Kenya (2 779) / Belgium (1 247)
Italy	98 072	187 734	Netherlands (93 624) / Ecuador (1 841) / Ethiopia (1 134)
Poland	76 674	273 308	Netherlands (73 408) / Finland (1 844) / Ukraine (585)
Spain	53 141	135 950	Ecuador (32 955) / Colombia (16 362) / Netherlands (3 482)
Czech Rep.	33 245	80 397	Netherlands (32 021) / Slovakia (939) / Germany (264)
Austria	29 782	59 147	Netherlands (27 073) / Germany (1 455) / Ethiopia (528)
Romania	28 782	96 199	Netherlands (28 419) / Ecuador (117) / Germany (79)
Sweden	27 617	55 456	Netherlands (27 332) / Denmark (160) / Armenia (61)
Belgium	20 353	49 023	Netherlands (17 584) / Kenya (1 651) / Ethiopia (607)
Finland	18 726	68 411	Netherlands (17 626) / Kenya (801) / Italy (274)
Ireland	17 808	38 805	Netherlands (14 628) / United Kingdom (2 695) / Kenya (398)
Portugal	16 255	30 310	Netherlands (7 960) / Spain (7 902) / Colombia (190)
Denmark	16 090	16 740	Netherlands (16 031) / Germany (36) / Korea, Republic of (22)
others	87 626	188 669	
Total	I 665 749	7 203 421	

Source: Eurostat, provisional data 2023

Data based on table 3.2. Roses, Imports (CN-Code 06031100)

PRODUCTS

2.2 CARNATIONS, FRESH CUT

Important producers of carnations, fresh cut

Area in ha ¹	Total ²	In the open	Under protection	Year
China	1 256			2020
Colombia	1 487			2023
Italy	722	134	588	2005
Turkey	602		602	2023
Mexico	625	605	20	2019
Spain	345	56	298	2022
Japan	252			2021
Kenya	252			2012
Vietnam	150			2008
Ecuador	97		97	2023
Korea, Republic of	39			2020
Chinese Taipei	44			2020
Netherlands ³	10		10	2023

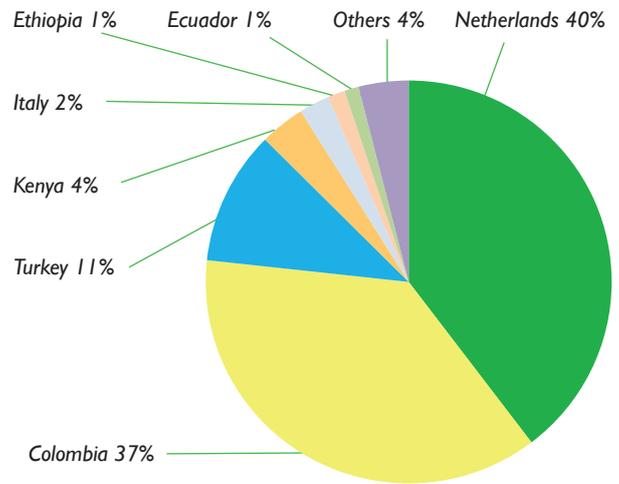
¹ As far as provided

² Including unspecified area

³ Area under protection, revised data

Other important producing countries of cut flowers: Ethiopia

Share of exports of fresh cut carnations to EU-countries in 2023



Total value:
260 million EUR

Source: Eurostat, provisional data 2023

Top 15 countries exporting carnations, fresh cut to EU-countries in 2023

	I 000 EUR	I 000 pieces	Exporting to (value in I 000 EUR)
Netherlands	102 928	411 932	Poland (34 961) / Germany (23 130) / France (9 468)
Colombia	96 183	502 126	Netherlands (77 054) / Spain (17 754) / Germany (1 021)
Turkey	27 921	372 978	Netherlands (23 353) / Poland (1 331) / Bulgaria (1 120)
Kenya	9 340	62 991	Netherlands (8 955) / Germany (1 93) / France (1 25)
Italy	6 272	23 385	Netherlands (2 312) / France (1 703) / Germany (1 262)
Ethiopia	3 583	20 620	Netherlands (3 583)
Ecuador	2 957	12 111	Netherlands (2 670) / Spain (240) / Germany (23)
Spain	2 386	14 684	Portugal (1 270) / France (518) / Hungary (299)
Finland	2 112	7 963	Poland (1 628) / Latvia (379) / Estonia (76)
Morocco	1 468	14 547	Netherlands (1 468)
Germany	1 310	3 948	Netherlands (1 080) / Finland (104) / Austria (69)
Belgium	799	3 819	Netherlands (342) / Poland (321) / France (58)
Bulgaria	699	6 988	Romania (674) / Netherlands (13) / Greece (9)
Portugal	251	236	Spain (250) / Netherlands (1)
France	218	803	Belgium (172) / Netherlands (37) / Spain (6)
others	1 085	4 175	
Total	259 513	1 463 305	

Top 15 EU-countries importing carnations, fresh cut in 2023

	I 000 EUR	I 000 pieces	Importing from (value in I 000 EUR)
Netherlands	121 298	785 329	Colombia (77 054) / Turkey (23 353) / Kenya (8 955)
Poland	38 400	207 167	Netherlands (34 961) / Finland (1 628) / Turkey (1 331)
Germany	26 444	112 844	Netherlands (23 130) / Italy (1 262) / Colombia (1 021)
Spain	18 726	116 683	Colombia (17 754) / Netherlands (308) / Portugal (250)
France	12 037	40 405	Netherlands (9 468) / Italy (1 703) / Spain (518)
Finland	5 518	19 154	Netherlands (5 369) / Germany (104) / Italy (33)
Czech Rep.	5 217	19 161	Netherlands (5 049) / Italy (97) / Slovakia (70)
Italy	5 197	12 300	Netherlands (5 093) / Colombia (96) / Spain (7)
Sweden	3 939	7 743	Netherlands (3 814) / Spain (67) / Denmark (37)
Ireland	2 851	9 546	Netherlands (2 734) / United Kingdom (94) / Colombia (15)
Romania	2 673	38 207	Turkey (1 018) / Netherlands (914) / Bulgaria (674)
Belgium	2 148	5 996	Netherlands (1 882) / France (172) / Kenya (59)
Austria	2 051	5 239	Netherlands (1 889) / Italy (76) / Germany (69)
Denmark	1 739	4 487	Netherlands (1 737) / Germany (2)
Portugal	1 575	9 216	Spain (1 270) / Netherlands (304)
others	9 701	69 827	
Total	259 513	1 463 305	

Source: Eurostat, provisional data 2023

Data based on table 3.1. Carnations, Imports (CN-Code 06031200)

PRODUCTS

2.3 ORCHIDS, FRESH CUT

Important producers of orchids, fresh cut

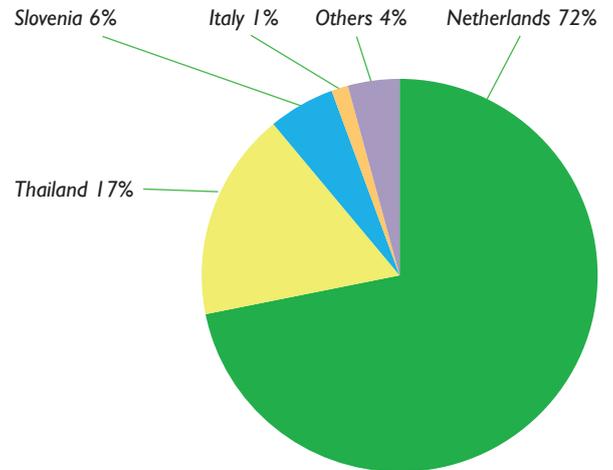
Area in ha ¹	Total ²	In the open	Under protection	Year
Chinese Taipei	245			2020
Netherlands ³	90		90	2023
Japan	170			2021
Italy	44	1	43	2005

¹ As far as provided

² Including unspecified area

³ Area under protection, revised data

Share of exports of fresh cut orchids to EU-countries in 2023



Total value:
45 million EUR

Source: Eurostat, provisional data 2023

Top 15 countries exporting orchids, fresh cut to EU-Countries in 2023

	1 000 EUR	1 000 pieces	Exporting to (value in 1 000 EUR)
Netherlands	32 505	19 497	Germany (9 206) / Italy (6 284) / France (5 890)
Thailand	7 764	23 153	Italy (5 638) / Netherlands (1 329) / Portugal (215)
Slovenia	2 459	620	Germany (2 389) / Austria (35) / Croatia (35)
Italy	617	483	Portugal (275) / Spain (108) / Germany (72)
Malaysia	442	804	Netherlands (269) / Greece (169) / Spain (3)
Chinese Taipei	365	544	Netherlands (347) / Belgium (10) / France (9)
Spain	220	102	Portugal (210) / France (8) / Latvia (1)
Poland	110	27	Germany (97) / Lithuania (9) / Netherlands (2)
Denmark	104	19	Germany (55) / Romania (49)
Portugal	101	60	Spain (101)
Belgium	98	16	France (71) / Luxembourg (21) / Netherlands (3)
South Africa	83	78	Netherlands (82) / France (1)
Germany	83	24	Romania (24) / Austria (20) / Netherlands (12)
Hungary	75	54	Romania (47) / Latvia (27)
Czech Rep.	49	12	Netherlands (30) / Slovakia (11) / Latvia (8)
others	179	1 010	
Total	45 252	46 503	

Top 15 EU-countries importing orchids, fresh cut in 2023

	1 000 EUR	1 000 pieces	Importing from (value in 1 000 EUR)
Italy	11 942	18 687	Netherlands (6 284) / Thailand (5 638) / Austria (9)
Germany	11 832	11 160	Netherlands (9 206) / Slovenia (2 389) / Poland (97)
France	6 099	2 819	Netherlands (5 890) / Belgium (71) / Italy (60)
Portugal	2 210	1 102	Netherlands (1 497) / Italy (275) / Thailand (215)
Netherlands	2 091	4 070	Thailand (1 329) / Chinese Taipei (347) / Malaysia (269)
Czech Rep.	1 821	706	Netherlands (1 813) / Thailand (6) / Cambodia (2)
Spain	1 609	1 444	Netherlands (1 372) / Italy (108) / Portugal (101)
Romania	1 388	988	Netherlands (1 192) / Thailand (52) / Denmark (49)
Austria	976	316	Netherlands (884) / Italy (37) / Slovenia (35)
Poland	720	2 603	Netherlands (539) / Thailand (181)
Belgium	656	649	Netherlands (545) / Thailand (101) / Chinese Taipei (10)
Greece	579	818	Netherlands (257) / Malaysia (169) / Thailand (150)
Lithuania	474	209	Netherlands (443) / Italy (18) / Poland (9)
Bulgaria	439	139	Netherlands (436) / Italy (3)
Latvia	438	175	Netherlands (350) / Austria (37) / Hungary (27)
others	1 977	618	
Total	45 252	46 503	

Source: Eurostat, provisional data 2023

Data based on table 3.3. Orchids, Imports (CN-Code 06031300)

PRODUCTS

2.4 CHRYSANTHEMUMS, FRESH CUT

Important producers of chrysanthemums, fresh cut

Area in ha ¹	Total ²	In the open	Under protection	Year
India	32 000			2023
China	7 987			2020
Japan	4 258			2021
Mexico	2 797	2 682	115	2023
Italy	1 180	411	769	2005
Indonesia	754			2023
Colombia	1 206			2023
Vietnam	800			2008
Chinese Taipei	599			2020
Korea, Republic of	303			2020
Thailand	440			2013
Netherlands ³	550	70	480	2023
Germany	25	10	15	2021
Poland	39			2023
Turkey	115		115	2023
Ecuador	70		70	2023

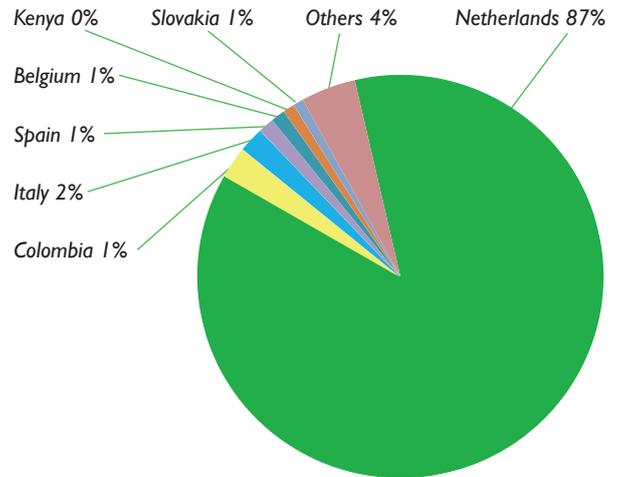
¹ As far as provided

² Including unspecified area

³ revised data

Other important producing countries of cut flowers: Kenya, Ethiopia

Share of exports of fresh cut chrysanthemums to EU-countries in 2023



Total value:
206 million EUR

Source: Eurostat, provisional data 2023

Top 15 countries exporting chrysanthemums, fresh cut to EU-countries in 2023

	1 000 EUR	1 000 pieces	Exporting to (value in 1 000 EUR)
Netherlands	178 802	436 343	Germany (69 878) / Lithuania (12 440) / Poland (12 008)
Colombia	5 272	18 946	Netherlands (3 215) / Spain (1 711) / France (335)
Italy	4 117	9 172	Netherlands (3 468) / France (217) / Greece (196)
Spain	2 553	5 740	Netherlands (1 236) / Portugal (1 088) / France (178)
Belgium	2 331	3 921	Netherlands (1 902) / France (366) / Luxembourg (52)
Kenya	1 880	6 733	Netherlands (1 705) / Germany (87) / Finland (48)
Slovakia	1 700	1 359	Czech Rep. (1 691) / Netherlands (9)
Hungary	1 423	4 362	Latvia (1 347) / Romania (61) / Netherlands (11)
Czech Rep.	1 390	2 932	Netherlands (1 170) / Latvia (114) / Slovakia (106)
Ecuador	877	1 664	Spain (562) / Netherlands (264) / France (27)
Austria	862	2 784	Latvia (818) / Lithuania (26) / Netherlands (16)
Germany	844	1 445	Netherlands (272) / Austria (205) / Slovakia (129)
United Kingdom	688	188	Ireland (685) / Netherlands (3)
South Africa	394	1 160	France (239) / Netherlands (153) / Cyprus (2)
Brazil	380	6 694	France (380)
others	2 129	8 787	
Total	205 642	512 231	

Top 15 EU-countries importing chrysanthemums, fresh cut in 2023

	1 000 EUR	1 000 pieces	Importing from (value in 1 000 EUR)
Germany	70 023	192 830	Netherlands (69 878) / Kenya (87) / Ecuador (23)
Netherlands	14 249	38 522	Italy (3 468) / Colombia (3 215) / Belgium (1 902)
France	13 880	38 042	Netherlands (11 903) / Brazil (380) / Belgium (366)
Lithuania	12 709	28 488	Netherlands (12 440) / Germany (126) / Latvia (43)
Czech Rep.	12 556	25 891	Netherlands (10 784) / Slovakia (1 691) / Germany (54)
Poland	12 010	33 797	Netherlands (12 008) / Germany (2)
Ireland	10 227	23 950	Netherlands (9 494) / United Kingdom (685)
Latvia	9 136	23 390	Netherlands (6 580) / Hungary (1 347) / Austria (818)
Sweden	6 334	9 017	Netherlands (6 334)
Spain	6 165	16 832	Netherlands (3 639) / Colombia (1 711) / Ecuador (562)
Romania	5 972	14 239	Netherlands (5 882) / Hungary (61) / France (11)
Italy	4 657	8 533	Netherlands (4 654) / Spain (3)
Denmark	4 251	7 654	Netherlands (4 231) / Germany (20)
Portugal	3 433	10 272	Netherlands (2 318) / Spain (1 088) / Malta (26)
Finland	3 168	7 632	Netherlands (3 117) / Kenya (48) / Italy (3)
others	16 872	33 143	
Total	205 642	512 231	

Source: Eurostat, provisional data 2023

Data based on table 3.4. Chrysanthemums, Imports (CN-Code 06031400)

PRODUCTS

2.5 LILIES, FRESH CUT

Important producers of lilies, fresh cut

Area in ha ¹	Total ²	Under protection	In the open	Year
China	5 960			2020
Kenya	1 073			2012
Japan	659			2021
Chinese Taipei	402			2020
Mexico	284	284		2023
Netherlands ³	270	190	80	2022
Korea, Republic of	78			2020
Italy	134			2005
Colombia	121			2023
Turkey	36	36		2023

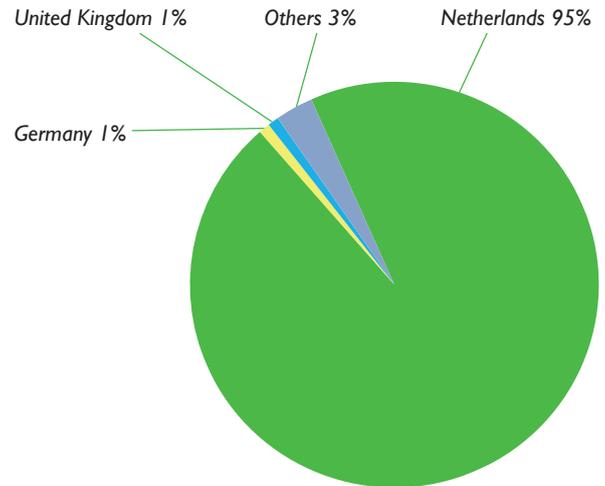
¹ As far as provided

² Including unspecified area

³ revised data

Other important producing countries of cut flowers: Columbia, Kenya, Ethiopia

Share of exports of fresh cut lilies to EU-countries in 2023



Total value:
49 million EUR

Source: Eurostat, provisional data 2023

Top 15 countries exporting lilies, fresh cut to EU-countries in 2023

	1 000 EUR	1 000 pieces	exporting to (value in 1 000 EUR)
Netherlands	46 433	61 588	Germany (11 380) / France (7 683) / Ireland (7 245)
Germany	430	476	Austria (149) / Belgium (133) / Netherlands (96)
United Kingdom	424	76	Ireland (413) / Netherlands (10)
Hungary	261	298	Austria (154) / Latvia (80) / Romania (27)
Belgium	175	356	Poland (116) / Germany (31) / France (20)
Italy	174	156	France (96) / Greece (19) / Lithuania (17)
Czech Rep.	131	98	Netherlands (117) / Latvia (10) / Slovakia (3)
Poland	129	300	Latvia (78) / Slovakia (18) / Netherlands (12)
Spain	92	232	Poland (38) / France (26) / Portugal (24)
Colombia	91	91	France (75) / Netherlands (14) / Spain (1)
Austria	63	89	Latvia (59) / Lithuania (3) / Italy (1)
Latvia	58	119	Estonia (45) / Lithuania (13) / Netherlands (1)
Slovakia	56	14	Czech Rep. (56) / Netherlands (1)
Ecuador	44	31	France (37) / Netherlands (5) / Germany (2)
Kenya	31	142	Netherlands (31)
others	161	249	
Total	48 752	64 314	

Top 15 EU-countries importing lilies, fresh cut in 2023

	1 000 EUR	1 000 pieces	importing from (value in 1 000 EUR)
Germany	11 432	20 176	Netherlands (11 380) / Belgium (31) / Denmark (11)
France	7 939	8 083	Netherlands (7 683) / Italy (96) / Colombia (75)
Ireland	7 685	9 528	Netherlands (7 245) / United Kingdom (413)
Spain	2 684	3 665	Netherlands (2 668) / France (7) / Portugal (6)
Czech Rep.	2 387	2 413	Netherlands (2 320) / Slovakia (56) / Poland (11)
Romania	2 076	3 038	Netherlands (2 035) / Hungary (27) / Germany (5)
Sweden	1 744	1 274	Netherlands (1 741) / Spain (2)
Poland	1 660	2 727	Netherlands (1 506) / Belgium (116) / Spain (38)
Belgium	1 560	2 087	Netherlands (1 412) / Germany (133) / France (8)
Austria	1 359	951	Netherlands (1 054) / Hungary (154) / Germany (149)
Italy	1 292	1 033	Netherlands (1 290) / Austria (1) / Spain (1)
Finland	1 182	2 745	Netherlands (1 181) / Italy (1)
Latvia	1 042	1 175	Netherlands (798) / Hungary (80) / Poland (78)
Greece	990	1 146	Netherlands (969) / Italy (19) / Croatia (3)
Denmark	969	1 047	Netherlands (962) / Germany (7)
others	2 752	3 227	
Total	48 752	64 314	

Source: Eurostat, provisional data 2023

Data based on table 3.5 Lilies, Imports (CN-Code 06031500)

PRODUCTS

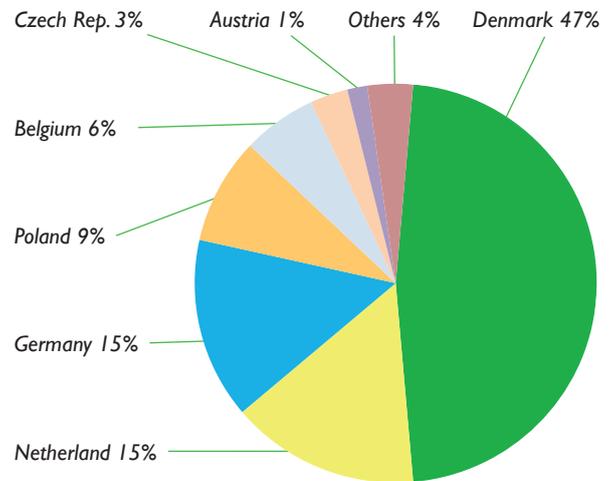
2.6 CHRISTMAS TREES (and branches from conifers)

Important producers of christmas trees

Area in ha ¹	Total	Year
USA	118 188	2022
Denmark	21 962	2023
France	4 751	2010
Austria	2 348	2020
UK	1 581	2023
Mexico	1 068	2022
Germany	313	2021
Switzerland	706	2023

¹ As far as provided

Share of exports of christmas trees and branches of conifers to EU-countries in 2023



Total value:
108 million EUR

Source: Eurostat, provisional data 2023

Top 15 countries exporting christmas trees to EU-countries in 2023

	1 000 EUR	1 000 pieces	Exporting to (value in 1 000 EUR)
Denmark	50 784	3 997	Germany (19 749) / France (8 667) / Sweden (4 690)
Netherlands	16 359	250	Germany (7 429) / Austria (4 383) / Italy (1 336)
Germany	15 778	792	Austria (4 274) / Netherlands (3 579) / Slovakia (1 526)
Poland	9 267	465	Germany (4 803) / Denmark (2 196) / Romania (1 105)
Belgium	6 437	527	France (4 124) / Netherlands (981) / Germany (554)
Czech Rep.	3 264	34	Germany (2 049) / Austria (547) / Slovakia (357)
Austria	1 730	139	Czech Rep. (1 444) / Hungary (107) / Slovenia (90)
France	1 255	70	Belgium (798) / Denmark (307) / Germany (100)
United Kingdom	870	53	France (626) / Denmark (174) / Netherlands (56)
Hungary	384	4	Austria (228) / Denmark (74) / Romania (44)
Latvia	205	1	Lithuania (151) / Denmark (37) / Estonia (11)
Estonia	201	16	Denmark (130) / Finland (62) / Sweden (4)
Sweden	175	31	Denmark (160) / Finland (10) / Netherlands (4)
Lithuania	162	5	Denmark (142) / Greece (14) / Netherlands (5)
Ireland	145	10	Belgium (143) / Netherlands (2)
others	533	24	
Total	107 549	6 420	

Top 15 EU-countries importing christmas trees in 2023

	1 000 EUR	1 000 pieces	importing from (value in 1 000 EUR)
Germany	34 751	1 399	Denmark (19 749) / Netherlands (7 429) / Poland (4 803)
France	14 638	1 281	Denmark (8 667) / Belgium (4 124) / United Kingdom (626)
Austria	10 768	102	Netherlands (4 383) / Germany (4 274) / Denmark (1 223)
Czech Rep.	6 404	588	Denmark (2 737) / Austria (1 444) / Germany (1 273)
Netherlands	6 067	403	Germany (3 579) / Denmark (1 211) / Belgium (981)
Romania	5 345	419	Denmark (3 031) / Poland (1 105) / Germany (848)
Sweden	5 040	323	Denmark (4 690) / Netherlands (214) / Germany (126)
Belgium	4 424	562	Denmark (2 709) / France (798) / Netherlands (706)
Denmark	4 282	401	Poland (2 196) / Germany (645) / France (307)
Poland	3 639	239	Denmark (3 075) / Germany (424) / Netherlands (116)
Italy	3 289	68	Netherlands (1 336) / Denmark (1 059) / Belgium (386)
Slovakia	2 222	163	Germany (1 526) / Czech Rep. (357) / Denmark (197)
Hungary	2 112	168	Germany (1 364) / Denmark (346) / Poland (233)
Finland	992	77	Denmark (868) / Estonia (62) / Netherlands (50)
Luxembourg	788	21	Germany (410) / Belgium (352) / France (20)
others	2 786	207	
Total	107 549	6 420	

Source: Eurostat, provisional data 2023

based on table 5.3 Christmas trees and branches from conifers, Imports (CN-Code 06042020 and 06042040)

PRODUCTS

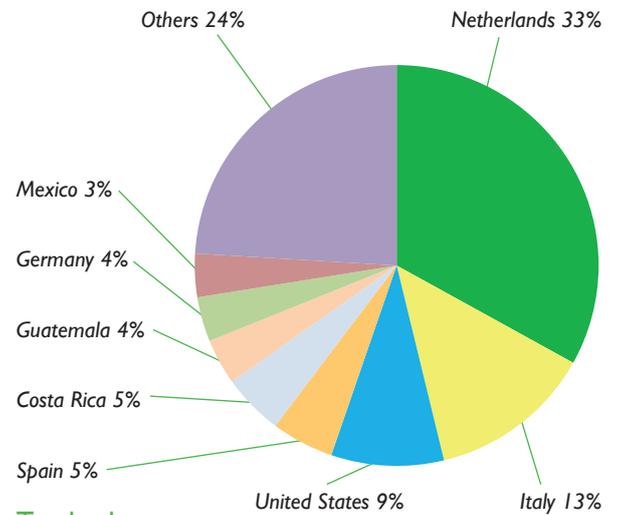
2.7 CUT FOLIAGE AND BRANCHES, FRESH CUT

Important producers of cut foliage, fresh cut

Area in ha ¹	Total	Year
China	8 557	2020
Italy	3 082	2007
Japan	573	2021
Ireland	193	2010

¹ As far as provided

Share of exports of cut foliage, fresh to EU-countries in 2023



Total value:
461 million EUR

Source: Eurostat, provisional data 2023

Top 15 countries exporting cut foliage, branches etc., fresh to EU-countries in 2023

	I 000 EUR	exporting to (value in I 000 EUR)
Netherlands	152 500	Germany (46 039) / France (20 310) / Italy (17 245)
Italy	60 698	Netherlands (30 027) / Germany (12 661) / France (5 487)
United States	41 590	Netherlands (40 686) / Germany (901) / Spain (2)
Spain	23 081	Netherlands (20 622) / Germany (1 330) / France (372)
Costa Rica	22 678	Netherlands (22 668) / France (6) / Spain (3)
Guatemala	16 996	Netherlands (16 840) / Spain (154) / France (2)
Germany	16 596	Netherlands (14 919) / Austria (1 082) / Denmark (248)
Mexico	16 133	Netherlands (15 473) / Spain (330) / Germany (329)
Kenya	13 086	Netherlands (13 073) / France (9) / Germany (4)
Portugal	12 845	Netherlands (12 581) / Belgium (118) / Germany (94)
South Africa	10 502	Netherlands (9 956) / Germany (493) / Italy (23)
Belgium	10 017	Netherlands (8 822) / France (792) / Germany (225)
Denmark	9 887	Netherlands (9 077) / Germany (485) / Sweden (140)
Israel	9 634	Netherlands (6 406) / Belgium (2 614) / Germany (536)
Poland	8 659	Netherlands (5 409) / Germany (2 824) / Latvia (177)
others	36 259	
Total	461 162	

Top 15 EU-countries importing cut foliage, branches etc., fresh in 2023

	I 000 EUR	importing from (value in I 000 EUR)
Netherlands	257 293	United States (40 686) / Italy (30 027) / Costa Rica (22 668)
Germany	66 830	Netherlands (46 039) / Italy (12 661) / Poland (2 824)
France	27 521	Netherlands (20 310) / Italy (5 487) / Belgium (792)
Italy	18 589	Netherlands (17 245) / France (752) / Spain (231)
Poland	11 132	Netherlands (10 570) / Italy (416) / Macedonia (76)
Czech Rep.	10 207	Netherlands (6 685) / Italy (3 393) / Poland (62)
Austria	9 395	Netherlands (5 227) / Italy (2 950) / Germany (1 082)
Spain	8 363	Netherlands (5 628) / Italy (2 067) / Mexico (330)
Belgium	8 119	Netherlands (4 604) / Israel (2 614) / France (628)
Sweden	7 809	Netherlands (5 204) / Italy (2 056) / Norway (152)
Finland	4 225	Netherlands (3 494) / Italy (647) / Denmark (49)
Lithuania	4 162	Netherlands (2 985) / Latvia (986) / Poland (146)
Romania	4 062	Netherlands (3 924) / Hungary (76) / Germany (36)
Denmark	3 668	Netherlands (3 383) / Germany (248) / Thailand (36)
Latvia	2 927	Netherlands (2 211) / Lithuania (205) / Italy (182)
others	16 859	
Total	461 162	

Source: Eurostat, provisional data 2023

Based on table 5.2 Foliage, fresh, Imports (CN-Code 06042090)

PRODUCTS

2.8 FLOWERING PLANTS (INDOOR)

Important producers of flowering plants (indoor)

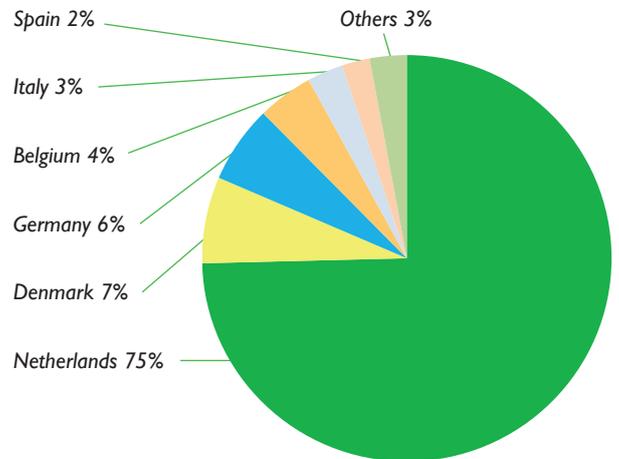
Area in ha ¹	Total ²	In the open	Under protection	Year
Japan	1 474			2021
USA	1 358			2022
Netherlands ³	1 150		1 150	2023
Belgium	555	332	223	2021
Poland	690			2023

¹ As far as provided

² Including unspecified area

³ revised data

Share of exports of flowering plants (indoor) to EU-countries in 2023



Total value:
1 078 million EUR

Source: Eurostat, provisional data 2023

Top 15 countries exporting flowering plants (indoor) to EU-countries in 2023

	1 000 EUR	1 000 pieces	importing from (value in 1 000 EUR)
Netherlands	804 489	392 265	Germany (304 238) / Italy (95 347) / France (88 126)
Denmark	74 171	40 485	Germany (29 178) / Sweden (22 308) / Netherlands (6 701)
Germany	66 315	36 770	Netherlands (16 855) / Austria (9 106) / Poland (7 292)
Belgium	47 525	19 185	France (21 862) / Netherlands (17 371) / Germany (4 177)
Italy	30 671	9 766	France (9 409) / Netherlands (6 484) / Germany (6 247)
Spain	23 794	8 316	France (13 466) / Germany (3 133) / Netherlands (2 276)
Poland	6 101	1 952	Germany (1 561) / Netherlands (1 287) / Hungary (973)
Czech Rep.	3 970	2 398	Slovakia (2 313) / Germany (827) / Latvia (327)
Hungary	3 806	1 582	Latvia (2 345) / Romania (778) / Czech Rep. (238)
Turkey	2 769	5 265	Denmark (2 144) / Poland (432) / Netherlands (192)
Portugal	2 351	706	France (996) / Netherlands (695) / Denmark (361)
Latvia	1 982	1 280	Estonia (1 235) / Lithuania (526) / Romania (148)
Austria	1 491	2 770	Czech Rep. (933) / Slovakia (132) / Netherlands (111)
Greece	1 485	710	Romania (1 046) / Italy (186) / Cyprus (149)
United Kingdom	1 231	406	Ireland (1 213) / Netherlands (12) / Portugal (4)
others	6 188	4 113	
Total	1 078 338	527 967	

Top 15 EU-countries importing flowering plants (indoor) in 2023

	1 000 EUR	1 000 pieces	importing from (value in 1 000 EUR)
Germany	350 018	197 429	Netherlands (304 238) / Denmark (29 178) / Italy (6 247)
France	142 332	53 282	Netherlands (88 126) / Belgium (21 862) / Spain (13 466)
Italy	99 147	25 328	Netherlands (95 347) / Germany (1 884) / Denmark (1 132)
Poland	63 589	41 112	Netherlands (50 198) / Germany (7 292) / Denmark (4 103)
Netherlands	54 013	23 069	Belgium (17 371) / Germany (16 855) / Denmark (6 701)
Sweden	48 593	19 769	Netherlands (24 580) / Denmark (22 308) / Germany (1 129)
Denmark	38 926	25 088	Netherlands (28 119) / Germany (4 483) / Italy (2 887)
Austria	36 277	16 246	Netherlands (23 643) / Germany (9 106) / Belgium (1 216)
Belgium	34 998	16 695	Netherlands (29 371) / Italy (1 816) / Germany (1 549)
Czech Rep.	33 109	18 871	Netherlands (24 551) / Germany (5 629) / Austria (933)
Romania	28 920	14 298	Netherlands (21 374) / Germany (4 545) / Greece (1 046)
Finland	22 139	9 136	Netherlands (17 016) / Denmark (3 947) / Belgium (581)
Spain	18 682	13 902	Netherlands (16 932) / Germany (781) / Italy (486)
Hungary	18 483	9 404	Netherlands (15 425) / Poland (973) / Germany (968)
Portugal	16 138	6 907	Netherlands (13 778) / Spain (1 401) / Germany (919)
others	72 974	37 430	
Total	1 078 338	527 967	

Source: Eurostat, provisional data 2023

Based on CN-Code 06029091, without bulbs and tubers, in growth or in flower (CN-Codes 06012030 and 06012090)

PRODUCTS

2.9 GREEN/FOLIAGE PLANTS (INDOOR)

Important producers of green/foilage plants

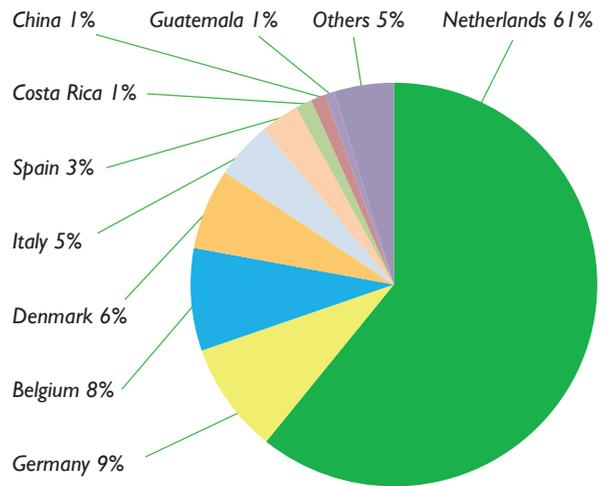
Area in ha ¹	Total ²	In the open	Under protection	Year
USA	1 270			2022
Netherlands ³	590		590	2023
Japan	265			2021
Belgium	23		23	2023

¹ As far as provided

² Including unspecified area

³ revised data

Share of exports of green/foilage plants (indoor) to EU-countries in 2023



Total value:
I 145 million EUR

Source: Eurostat, provisional data 2023

Top 15 countries exporting green/foilage plants (indoor) to EU-countries in 2023

	I 000 EUR	I 000 pieces	importing from (value in I 000 EUR)
Netherlands	696 207	307 765	Germany (264 722) / France (95 996) / Poland (65 610)
Germany	101 726	44 798	Netherlands (51 959) / Austria (12 771) / Denmark (6 402)
Belgium	94 041	32 324	Netherlands (60 407) / France (23 854) / Germany (4 899)
Denmark	74 274	33 804	Netherlands (35 818) / Germany (14 512) / Sweden (9 316)
Italy	52 191	19 752	Netherlands (31 511) / Germany (8 632) / France (4 401)
Spain	35 221	21 097	Netherlands (20 035) / France (5 843) / Germany (4 747)
Costa Rica	14 939	17 400	Netherlands (13 775) / Spain (681) / Denmark (299)
China	13 499	23 187	Netherlands (11 066) / Italy (1 619) / Spain (383)
Guatemala	8 526	8 167	Netherlands (8 265) / Italy (115) / Germany (89)
Honduras	7 694	3 420	Netherlands (5 982) / Denmark (1 009) / Spain (679)
Poland	5 293	2 708	Netherlands (3 138) / Lithuania (1 380) / Latvia (147)
Portugal	4 835	1 944	Netherlands (3 125) / Spain (1 506) / France (191)
France	3 183	1 307	Netherlands (2 235) / Spain (345) / Belgium (324)
Japan	3 169	545	Italy (1 519) / Netherlands (794) / Spain (582)
Austria	3 077	3 695	Czech Rep. (2 251) / Netherlands (371) / Latvia (193)
others	27 075	37 082	
Total	I 144 952	558 996	

Top 15 EU-countries importing green/foilage plants (indoor) in 2023

	I 000 EUR	I 000 pieces	importing from (value in I 000 EUR)
Germany	300 040	143 993	Netherlands (291 385) / Denmark (17 948) / Italy (12 395)
Netherlands	263 456	141 042	Belgium (61 142) / Germany (54 015) / Denmark (36 211)
France	138 655	51 912	Netherlands (90 266) / Belgium (21 642) / Germany (13 490)
Poland	77 403	43 794	Netherlands (67 834) / Denmark (4 356) / Germany (4 193)
Italy	57 860	21 474	Netherlands (47 192) / Germany (3 226) / China (2 237)
Belgium	43 044	30 061	Netherlands (35 653) / Germany (2 615) / Viet Nam (1 546)
Austria	35 168	21 309	Netherlands (24 564) / Germany (14 398) / Denmark (985)
Spain	32 327	16 652	Netherlands (21 120) / Germany (8 532) / Italy (3 011)
Sweden	29 709	9 610	Netherlands (20 668) / Denmark (9 756) / Germany (1 604)
Denmark	28 905	15 518	Netherlands (23 451) / Germany (3 672) / Portugal (1 336)
Czech Rep.	19 819	13 287	Netherlands (13 187) / Germany (4 218) / Denmark (496)
Romania	16 885	6 024	Netherlands (11 582) / Germany (2 900) / Denmark (852)
Lithuania	16 705	5 150	Netherlands (9 962) / Germany (4 033) / Spain (1 636)
Portugal	13 815	5 401	Netherlands (8 739) / Denmark (1 854) / Germany (1 642)
Finland	12 457	4 939	Netherlands (8 811) / Poland (2 126) / Germany (555)
others	58 703	28 829	
Total	I 144 952	558 996	

Source: Eurostat, provisional data 2023

based on table 6.2.4 Foliage plants, imports (CN-Code 06029099)



V. ADDITIONAL INFORMATION

List of Countries/Abbreviations
Explanatory Notes
CN-Codes, References
VAT Rates

ADDITIONAL INFORMATION

List of nationality abbreviations, countries and continents

Europe

AD	Andorra
AL	Albania
AT	Austria
BE	Belgium
BG	Bulgaria
CH	Switzerland
CZ	Czech Republic
DE	Germany
DK	Denmark
EE	Estonia
ES	Spain
FI	Finland
FR	France
FO	Faroe Islands
GB	United Kingdom
GG	Guernsey
GI	Gibraltar
GR	Greece
HR	Croatia
HU	Hungary
IE	Ireland
IS	Iceland
IT	Italy
LI	Liechtenstein
LU	Luxembourg
LT	Lithuania
LV	Latvia
MC	Monaco
MD	Moldova, Republic of
ME	Montenegro
MK	Macedonia, the Former Yugoslav Republic of
MT	Malta
NL	Netherlands
NO	Norway
PL	Poland
PT	Portugal
RO	Romania
RS	Serbia
RU	Russian Federation
SE	Sweden
SI	Slovenia
SK	Slovakia
UA	Ukraine
VA	Vatican City State

Africa

BU	Burundi
BJ	Benin
BW	Botswana
CD	Congo, the Dem. Rep. of the
CF	Central African Rep.
CG	Congo
CI	Ivory Coast
DZ	Algeria
ER	Eritrea
ET	Ethiopia
GH	Ghana
GM	Gambia
KE	Kenya
LS	Lesotho
LR	Liberia
MA	Morocco
MG	Madagascar
ML	Mali
MR	Mauritania
MU	Mauritius
MW	Malawi
NE	Niger
NG	Nigeria
RW	Rwanda
SC	Seychelles
SL	Sierra Leone
SN	Senegal
SO	Somalia
SZ	Swaziland
TG	Togo
TN	Tunisia
TZ	Tanzania, United Republic of
UG	Uganda
ZA	South Africa
ZM	Zambia
ZR	Zaire
ZW	Zimbabwe

Asia

BD	Bangladesh
BN	Brunei Darussalam
CN	China
HK	Hong Kong
IN	India
JP	Japan
KH	Cambodia
KR	Korea, Republic of
LA	Lao Peoples Dem. Rep.
LK	Sri Lanka
MM	Myanmar
MY	Malaysia
PK	Pakistan
RI	Indonesia
RP	Philippines
SG	Singapore
TH	Thailand
TW	Chinese Taipei
VN	Vietnam

Middle East

AE	United Arab Emirates
BH	Bahrain
CY	Cyprus
EG	Egypt
IL	Israel
IR	Iran, Islamic Republic of
IQ	Iraq
JO	Jordan
KW	Kuwait
LB	Lebanon
LY	Libya
SA	Saudi Arabia
SY	Syrian Arab Republic
TR	Turkey
YE	Yemen

Latin America

AN	Netherlands Antilles
AR	Argentina
BB	Barbados
BR	Brazil
BS	Bahamas
BZ	Belize
CL	Chile
CO	Colombia
CR	Costa Rica
CU	Cuba
DM	Dominica
DO	Dominican Rep.
EC	Ecuador
GD	Grenada
GT	Guatemala
GY	Guyana
HT	Haiti
JM	Jamaica
LC	St. Lucia
MX	Mexico
NI	Nicaragua
PA	Panama
PE	Peru
PY	Paraguay
SR	Suriname
SV	El Salvador
TT	Trinidad and Tobago
UY	Uruguay
VC	St. Vincent a. the Grenadines
VE	Venezuela, Bolivarian Republic of

North America

CA	Canada
US	United States

Oceania

AU	Australia
FJ	Fiji
NZ	New Zealand
WS	Samoa

ADDITIONAL INFORMATION

EXPLANATORY NOTES

A. General

- The tables on production and external trade are based on the official national statistics of the various countries. In case official statistics are not available, statistics and estimations of the member-associations are used, as well as data from other sources. All non-official data are indicated as such.

Data on market developments have partly been taken from official market and price statistics. On top of this a number of data were made available from internal statistics of some markets. The sources used are enumerated in the appendix.

- The countries are tabulated in alphabetical order according to their names in English.

- Explanation of symbols:

- signifies: 'nil'

0 signifies: the number is less than half of the unit used, but greater than 'nil'

- signifies: it is impossible on statistical / technical causes to provide precise information because, e.g. the appropriate census is lacking

p signifies: provisional

r signifies: revised

e signifies: estimated

A further explanation is given to the particularity of some product groups as follows:

- 1 All ornamental horticultural products (excl. seeds) taken together. Included in this group are: flower bulbs, tubers, tuberous roots, corms, crowns and rhizomes; cut flowers as well as foliage, branches, grasses etc., fresh, dried or otherwise prepared, since 1989 with Christmas trees and branches of conifers, also mosses and lichens; live nursery stock and ornamental plants, as well as buds, eyes and stems for grafting and budding, cuttings and slips
 - 2 Flower bulbs, tubers, tuberous roots, corms and rhizomes, dormant
 - 5 Foliage, fresh or treated; Christmas trees and branches of conifers, also mosses and lichens
 - 5.1 Mosses and lichens, fresh or treated
 - 5.2 Fresh foliage, that is to say foliage, branches, grasses etc.
 - 5.4 Foliage, treated
 - 6 Live plants, that is to say, nursery stocks, hardy perennials, herbaceous plants and other live ornamental plants, including flower bulbs, tubers, tuberous roots, corms, crowns and rhizomes, in growth or in flower.
 - 6.1 Nursery stock (fruit, forest and ornamental trees and shrubs - since 1976 without wine -, as well as buds, eyes and stems for grafting and budding, cuttings and slips therefrom)
 - 6.2 Other live plants, that is to say: rooted and unrooted cuttings and young plants of indoor plants, flowering pot plants with flowers or buds, foliage plants, bedding plants, flower bulbs, tubers, corms etc., growing or flowering
 - 6.2.1 Cuttings and young plants, unrooted cuttings included
 - 6.2.3 Flowering pot plants; Azaleas, cuttings and young plants excluded, flowering bulbs included
 - 6.2.4 Foliage plants without cuttings and young plants
- Because of the different structure of national statistics for cultivation, production and foreign trade however the definition of the groups of products, has not been achieved everywhere in this very sense. In order to reach the utmost clearness and on easy handling of the tables, the divergences from these definitions will be only mentioned in case they are of some practical importance. This is also the reason why the headlines do not always contain the above cited full definition of the concerning groups of products.

ADDITIONAL INFORMATION

B. Cultivation and production

- In principle the tables are made up in the groups of products mentioned above. In particular it was attempted to come to the following classification:
 - produce of the flower bulb industry, e.g. the growing of flower bulbs, tuber and such for dry sales or forcing in the same business;
 - produce of floriculture, e.g. the production of cut flowers and pot plants, bedding plants and such, incl. young plants of these products, without growing of flower seeds and perennials in the open;
 - cut flowers, e.g. the production of cut flowers, incl. flower bulb forcing and shrub forcing, without production of foliage etc.
 - nursery stock produce, e.g. fruit, forest and ornamental trees, without wine nurseries, wine mother plants and culture of perennials in the open.
- The given acreages represent the areas used for growing and contain, as far as the national statistics allowing, no multiple use of an area by more crops following successively. So far as possible the main crop is indicated; frequently the data refer however to a census on a fixed day.
- Data of official statistics were only completed by estimations if
 - adequate particulars were available and
 - thus the correspondence with the principles mentioned under 1 and 2 could really be improved.
- In consequence of changes intervened in the procedures and substances of the censuses in the course of time, breaks are shown in the series; these breaks however have only been indicated by a vertical line (|) in cases where they led to considerable disturbances in the comparison.

C. Sales and Markets

The absolute values cannot in all cases be compared with each other, for e.g. the definition of the several groups of products is not the same everywhere and furthermore the prices do not always refer to the same quality. However, these shortcomings should not affect the principal tendencies.

D. External Trade

- From 1999 on the external trade of the French Departments (DOM) is considered as foreign trade of the EU, the same is true for the foreign trade of the Canary Islands (to Spain). The foreign trade of Ceuta and Melilla is not considered as external trade of the EU.



ADDITIONAL INFORMATION

REFERENCES TO DATA SOURCES

(see also references below tables)

A. Production

Australia	Australian Bureau of Statistics, 2022
Austria	Statistik Austria, Statistik der Landwirtschaft 2020, Anbau auf dem Ackerland 2023
Belgium	Statistics Belgium, FOD Economie, K.M.O. Middenstand en Energie: Landbouwcijfers 2022
Brazil	Hortica Consulting and Market Intelligence, Ibraflor, 2023; Veiling Holambra, 2022
Canada	Statistics Canada, CANSIM Database, 2023
China	China Flower Association, released by Ministry of Agriculture, 2021
Chinese Taipei	Chinese Taipei Floriculture Association; Council of Agriculture: Yearly report 2021
Colombia	Asocoflores, 2024
Costa Rica	Secretaria Ejecutiva de Planificación Sectorial Agropecuaria: Boletín Estadístico Agropecuario 29, 2019
Denmark	Danmark Statistik, Statbank Denmark, 2024
Ecuador	Instituto Nacional de Estadística y Censos (INEC), ESPAC – Resumen 2023
Ethiopia	Ethiopian Horticulture Producer Exporters Association (EHPEA), 2018
Finland	Luke, Horticultural Statistics, 2024
France	Agreste, Ministère de l'Agriculture, de l'Agroalimentaire et de la Forêt. Données en Ligne, Statistique agricole annuelle 2022, Recensement agricoles 2010; FranceAgriMer, 2022: Les filières de l'horticulture et de la pépinière en France
Germany	Statistisches Bundesamt: Agrarstrukturhebung 2017 – Zierpflanzenerhebung 2021, Baumschulerhebung 2021 Bundesministerium für Ernährung und Landwirtschaft (BMEL): Ertragslage Garten- und Weinbau 2021
Guatemala	Agexport, Plantas ornamentales follajes y flores, 2023
Hungary	Hungarian Interbranch Organization for Ornamental Horticulture, 2020
India	National Horticulture Board, Area Production statistics, 2024
Indonesia	Indonesian Ornamental Plants Research Institute: Budi Marwoto, Presentaion at the 69th AIPH Annual Congress Taichung, Chinese Taipei, 2017 Book of Angka Tetap Hortikultura 2023, The Directorate General of Horticulture, Ministry of Agriculture
Iran	Agriculture Ministry of Iran, Deputy of Horticulture, 2023
Ireland	Department of Agriculture, Food and the Marine: National Amenity Census 2011, Annual report 2020
Israel	Central Bureau of Statistics, National Flower Board
Italy	Indagine Florovivaismo 2007, Ministero delle politiche agricole alimentari e forestali, Agricultural census 2010, Italian Institute of Statistic; Conti Nazionali, Istat Databank
Japan	Ministry of Agriculture, Forestry and Fishery, Statistics Department, Statistical Yearbook No. 97, 2021/22; Ministry of Internal Affairs and Communication: Japan Statistical Yearbook 2023 Ministry of Agriculture Forestry and Fisheries; Current Status of Flowers and Plants in Japan, February 2019 Statistics Bureau Japan, Family income and expenditure survey, 2023 Yearly Average
Kenya	Horticultural Crops Development Authority (H.C.D.A.), 2013
Korea, Republic of	Ministry for Food, Agriculture, Forestry and Fisheries; Korean Statistical Service (KOSIS), Database, 2023
Malaysia	Department of Agriculture in: Producer's Perspective on the Potential of Malaysia's Floricultural Industry, 2023, FFTC Agricultural Policy Platform (FFTC-AP) Perangkaan Agromakanan, Ministry of agriculture and food industry, Malaysia, 2024
Mexico	Servizio de Información Agroalimentaria y Pesquera Mexico (SIAP), 2024
Netherlands	Centraal Bureau voor de Statistiek (CBS), Den Haag, Bloembollenkeuringsdienst (BKD), 2024
Norway	Statistics Norway, Census of Agriculture 2020
Poland	D. Olewnicki, Institute of Horticultural Sciences, Warsaw University of Life Sciences; A. Marosz, Institute of Horticulture, Skierniewice; Central Statistical Office Poland, 2024
Spain	Ministerio de Agricultura, Alimentación y Medio Ambiente : Anuario de Estadística 2023
Sweden	Swedish Board of Agriculture (Jordbruksverket), Statistics, Horticultural Census 2023
Switzerland	Bundesamt für Statistik, Land- und Forstwirtschaft, Landwirtschaftliche Betriebe und landwirtschaftliche Nutzflächen, 2024
Thailand	Ministry of Information and Communication Technology: National Statistical Office, Agricultural Census 2013; Office of Agricultural Economics: Basic Business Data, 2022
Turkey	Turkish Statistical Institute: Crop Production Statistics, 2024
United Kingdom	Department for Environment, Food and Rural Affairs (DEFRA), Agriculture in the United Kingdom 2023 Farming Statistics, June Survey 2023 – England Farming Statistics, June Survey 2021 – UK
United States	US Department of Agriculture: Floriculture Crops 2023 Summary, May 2024 US Department of Agriculture: National Agriculture Statistic Service: Census of Agriculture 2007, 2012, 2017, 2022 United States Department of Agriculture, Foreign Agricultural Service, 2024 United States, Departement of Agriculture, National Agricultural Statistics Service, 2024
Vietnam	Dutch Embassy, Ministry of Agriculture, Nature and Food Quality, Netherlands Institute of Vegetable and Fruit Research under the Ministry of Agriculture and Rural Development Ha Noi Rural Development Division Vietnam Journal of Agricultural Sciences – May 2021

ADDITIONAL INFORMATION

B. Markets

Market channels	Flora Holland, Netherlands
Turnover wholesale markets	FloraHolland, Landgard: Annual reports, written information, Veiling Holambra, Plantion Netherlands
Netherlands	FloraHolland, Plantion: written information
USA	Floriculture Crops 2023 Summary (May 2024), USDA, National Agricultural Statistics Service

C. External Trade

Europe

European Union	Eurostat; Bulk-Download, Statistic Regime ¹
Norway	Statistics Norway, Section for External trade
Switzerland	Eidgenössisches Finanzdepartement EFD, Swiss-Impex Database
United Kingdom	UK Trade Info, Overseas trade by commodity code

America, Asia, Africa

Australia	International Trade Center (ITC), Trade map
Belarus	International Trade Center (ITC), Trade map
Brazil	International Trade Center (ITC), Trade map
Canada	Trade Data Online, Government of Canada
Chile	International Trade Center (ITC), Trade map
China	International Trade Center (ITC), Trade map
Chinese Taipei	International Trade Center (ITC), Trade map
Colombia	International Trade Center (ITC), Trade map
Costa Rica	International Trade Center (ITC), Trade map
Ecuador	International Trade Center (ITC), Trade map
Egypt	International Trade Center (ITC), Trade map
Ethiopia	International Trade Center (ITC), Trade map
Guatemala	International Trade Center (ITC), Trade map
India	International Trade Center (ITC), Trade map
Indonesia	International Trade Center (ITC), Trade map
Israel	International Trade Center (ITC), Trade map
Japan	International Trade Center (ITC), Trade map
Kazakhstan	International Trade Center (ITC), Trade map
Kenya	International Trade Center (ITC), Trade map, Kenya Flower Council
Korea, Republic of	International Trade Center (ITC), Trade map
Malaysia	International Trade Center (ITC), Trade map
Mexico	International Trade Center (ITC), Trade map
Morocco	International Trade Center (ITC), Trade map
New Zealand	International Trade Center (ITC), Trade map
Russia	International Trade Center (ITC), Trade map
Saudi Arabia	International Trade Center (ITC), Trade map
Singapore	International Trade Center (ITC), Trade map
South Africa	International Trade Center (ITC), Trade map
Thailand	International Trade Center (ITC), Trade map
Turkey	Turkish Statistical Institute, Foreign Trade Statistics, Database, 2022
Uganda	International Trade Center (ITC), Trade map
Ukraine	International Trade Center (ITC), Trade map
United Arab Emirates	International Trade Center (ITC), Trade map
USA	United States Department of Agriculture, Foreign Agricultural Service, Global agricultural trade system (GATS)
Vietnam	International Trade Center (ITC), Trade map

Other sources

Data from AIPH and Union Fleurs member organisations

ADDITIONAL INFORMATION

Sales taxes (VAT and reduced rates)

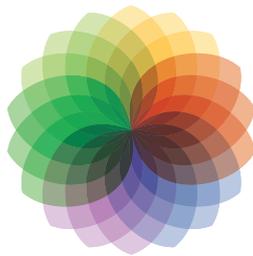
EU countries	Standard rate in %	Reduced rate for cut flowers and plants for decoration purposes in %	
Austria	20	13 ¹	
Belgium	21	6	
Bulgaria	20	–	
Croatia	25	–	foodstuff: 5 or 13%
Cyprus	19	– ¹	foodstuff: 5%
Czech Republic	21	15	foodstuff: 10 or 15%
Denmark	25	–	
Estonia	20	–	
Finland	24	– ¹	foodstuff: 14%
France	20	10 ¹	foodstuff: 5.5 or 10%
Germany	19	7	foodstuff: 7%
Greece	24	–	foodstuff: 13%
Hungary	27	–	foodstuff: 5% or 18%
Ireland	23	13.5 ¹	foodstuff: 9% or 13.5%
Italy	22	10	foodstuff: 4%, 5% or 10%
Latvia	21	–	foodstuff: 5%
Lithuania	21	–	
Luxembourg	16	8 ¹	foodstuff: 3%
Malta	18	–	foodstuff: 0%
Netherlands	21	9	foodstuff: 6%
Poland	23	–	foodstuff: 5 or 8%
Portugal	23	6	foodstuff: 6 or 13%
Romania	19	– ¹	foodstuff: 9%
Slovakia	20	–	foodstuff: 10%
Slovenia	22	9.5	foodstuff: 9.5%
Spain	21	– ¹	foodstuff: 4 or 10%
Sweden	25	–	foodstuff: 12%

¹ Cut flowers and plants for food production only: Austria 10%, Cyprus 5%, Finland 14%, France: 5.5%, Ireland: 0%, Luxembourg: 3%, Romania 9%, Spain 10%

Non-EU countries	Standard rate in %	Reduced rate for cut flowers and plants for decoration purposes in %	
Canada Fed. Government plus Provinces	5	–	foodstuff: 0% plus local PST 0%-10%
China	13	–	some foodstuff: 13%
India	18	–	basic foodstuff: 0%, other: 5 or 12%
Japan	10	–	basic foodstuff: 8%
Norway	25	–	foodstuff: 15%
Russia	20	–	foodstuff: 16.67%
Switzerland	7.7	–	foodstuff: 2.5%
Turkey	18	–	foodstuff: 1% or 8%
United Kingdom	20	– ¹	foodstuff: 0%
United States	up to 10%	different rates	state sales tax plus other taxes

¹ Cut flowers and plants for food production only: UK: 0%

Sources: Alavara VAT live, 2022



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