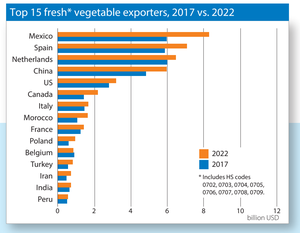
World Vegetable Map

Rabobank Group is an international financial services provider focused on food & agribusiness, with operations in 36 countries.
Visit **research.rabobank.com** to learn more about our knowledge and services in various F&A sectors.

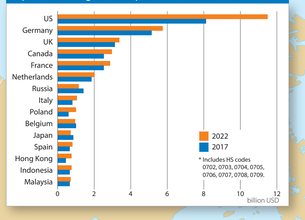
RaboResearch
Food & Agribusiness

Rabobank

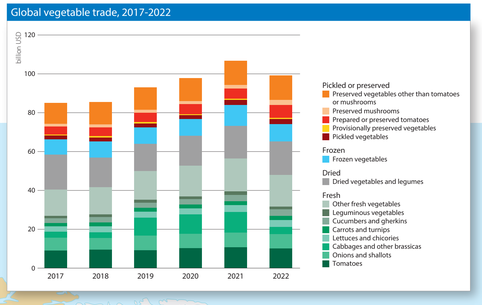
Top 15 fresh* vegetable exporters, 2017 vs. 2022



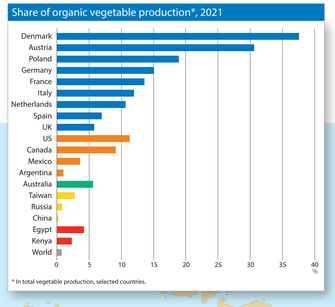
Top 15 fresh* vegetable importers, 2017 vs. 2022



Global vegetable trade, 2017-2022

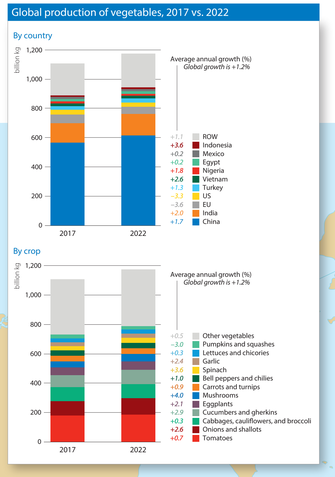


Share of organic vegetable production*, 2021

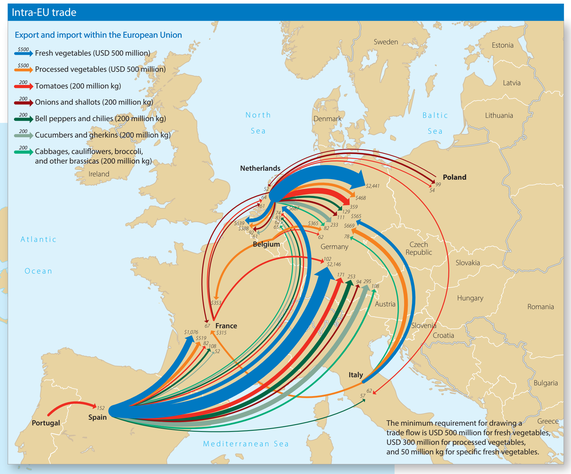


* In total vegetable production, selected countries.

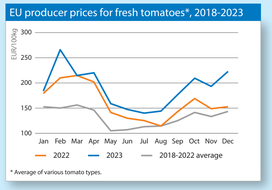
Global production of vegetables, 2017 vs. 2022



Intra-EU trade

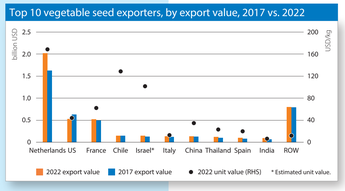


EU producer prices for fresh tomatoes*, 2018-2023

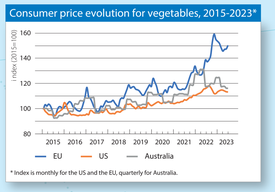


* Average of various tomato types.

Top 10 vegetable seed exporters, by export value, 2017 vs. 2022

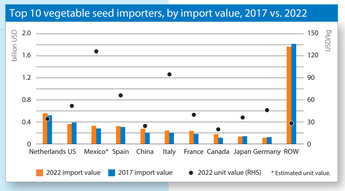


Consumer price evolution for vegetables, 2015-2023*

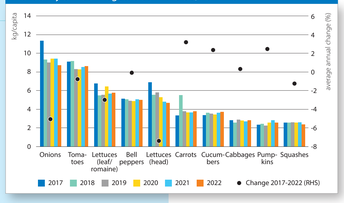


* Index is monthly for the US and the EU, quarterly for Australia.

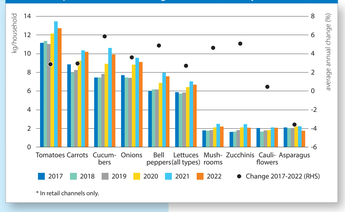
Top 10 vegetable seed importers, by import value, 2017 vs. 2022



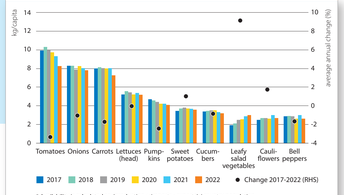
Availability of fresh vegetables in the US, 2017-2022



Household purchases of fresh vegetables in Germany*, 2017-2022

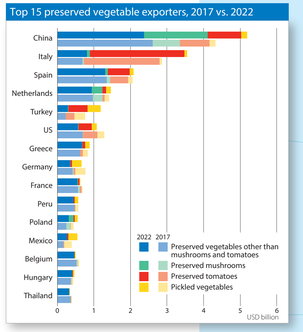


Availability* of vegetables in Australia, 2017-2022

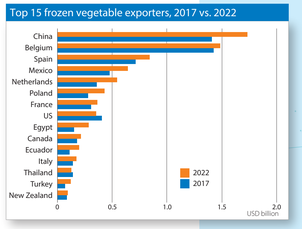


* Availability is calculated as: (production + imports - exports) / country population.
It is not equal to consumption, as waste and loss are not taken into account.

Top 15 preserved vegetable exporters, 2017 vs. 2022

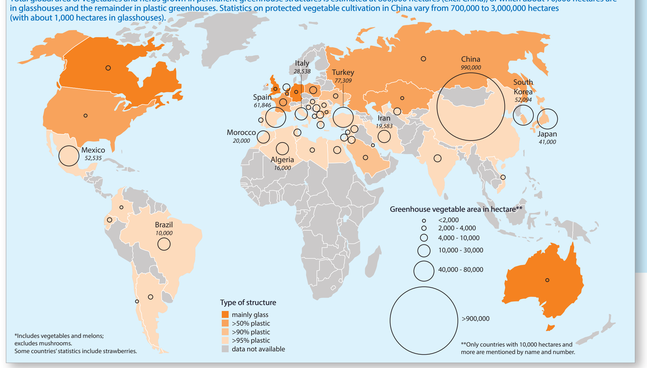


Top 15 frozen vegetable exporters, 2017 vs. 2022



Global greenhouse vegetable* production area, latest estimate

Total global area of vegetables and herbs grown in permanent greenhouse structures is estimated at 800,000 hectares (excl. China), of which about 70,000 hectares are in glasshouses and the remainder in plastic greenhouses. Statistics on protected vegetable cultivation in China vary from 700,000 to 3,000,000 hectares (with about 1,000 hectares in glasshouses).



*Includes vegetables and melons; excludes mushrooms.
Some countries' statistics include strawberries.

**Only countries with 10,000 hectares and more are mentioned by name and number.

Legend

Total flows for fresh and processed vegetables are in million US dollars. Flows of specific vegetable types are in million kilograms. The minimum requirement for drawing a trade flow is USD 500 million for fresh vegetables and USD 300 million for processed vegetables. The minimum requirement for specific fresh vegetables is 50 million kg. Trade data refers to 2022.
Trade lines on the map do not refer to the actual trade route or the exact point of origin or arrival.

Trade flows of fresh and processed vegetables (value)
- 5500 Fresh vegetables (USD 500 million)
- 5500 Processed vegetables (USD 500 million)

Trade flows of specific fresh vegetables (volume)
- 200 Tomatoes (200 million kg)
- 200 Onions and shallots (200 million kg)
- 200 Bell peppers and chilies (200 million kg)
- 200 Cucumbers and gherkins (200 million kg)
- 200 Cabbages, cauliflowers, broccoli, and other brassicas (200 million kg)

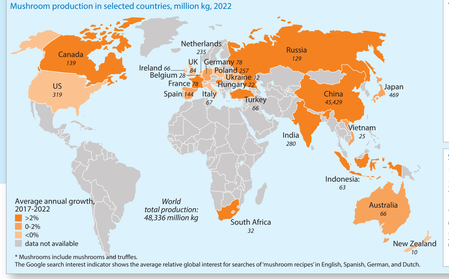
Potatoes are not included on this world map.

Vegetable production per country in kg/capita
- 200-432
- 100-199
- 50-99
- 1-49
- not available, uninhabited

State boundary
EU boundary

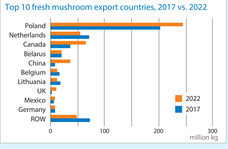
Zooming in on mushrooms*

Mushroom production in selected countries, million kg, 2022

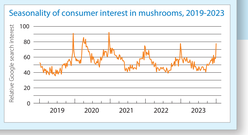


* Mushrooms include mushrooms and truffles.
The Google search interest indicator shows the average relative global interest for searches of 'mushroom recipes' in English, Spanish, German, and Dutch.

Top 10 fresh mushroom export countries, 2017 vs. 2022

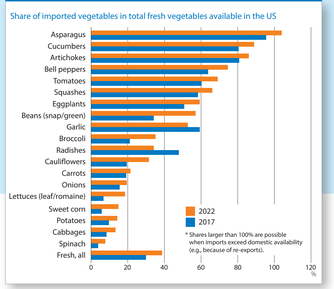


Seasonality of consumer interest in mushrooms, 2019-2023



Share* of imported vegetables in the US, 2017 vs. 2022

Share of imported vegetables in total fresh vegetables available in the US



* Shares larger than 100% are possible when imports exceed domestic availability (e.g., because of re-exports).

Published
Utrecht, March 2024

Availability
This map is published in line with Rabobank's long-term commitment to international food and agribusiness. It is one of the products undertaken by RaboResearch Food & Agribusiness. Clients of Rabobank can obtain a copy of this map from their Relationship Manager.

Printing
De Groot Drukkerij bv, Goudriaan, the Netherlands

Cover Photo
Shutterstock

Cartography
Kaartbeeld, Scherpenzeel, the Netherlands & Dirkink Mapdesign, Ribeira de Alcalamouque, Portugal

Sources
AMI, Australian Bureau of Statistics, CBS, Cuesta Roble, Eurostat, Food and Agriculture Organization of the United Nations, GFK, Google Trends, Gruda & Popimonova, Hortivation, INE, INEGI, Macrobond, Mafra, Mapama, Ministere van LNV, Ministry of Agriculture Iran 2, Ministry of Agriculture of Kazachstan, Polish statistical office, Statbel, Statistics Canada, Statistics Hellenic, UN Comtrade, USDA, Australian Bureau of Statistics, Wageningen Economic Research, Wageningen University Research

Copyright
© Rabobank 2024. No reproduction of this map or any part thereof is permitted without prior consent of the copyright owners. The international and other boundaries in this map are taken from authoritative sources and are believed to be accurate as of the date of publication of this map.

Disclaimer
The information on this map is based upon or drawn from various authoritative sources and whilst all reasonable care has been taken in the preparation of this map no warranties can be given as to its accuracy and/or no reliance should be placed upon the same without further detailed inspection and survey. Therefore, the publishers cannot accept any liability or responsibility for any loss or damage and indeed would be grateful to receive notification of any errors or inconsistencies.