

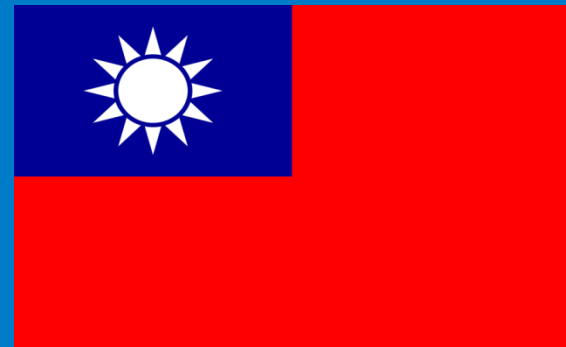


Ministry of Economic Affairs

Welcome

Taiwan Delegation

6-10 November 2017



A veterinarian with brown hair tied back in a bun, wearing blue scrubs and a stethoscope, is examining a dark horse's back. The veterinarian is using a stethoscope to listen to the horse's heart or lungs. The background is a blurred outdoor setting with greenery and a building.

The veterinary system in the Netherlands



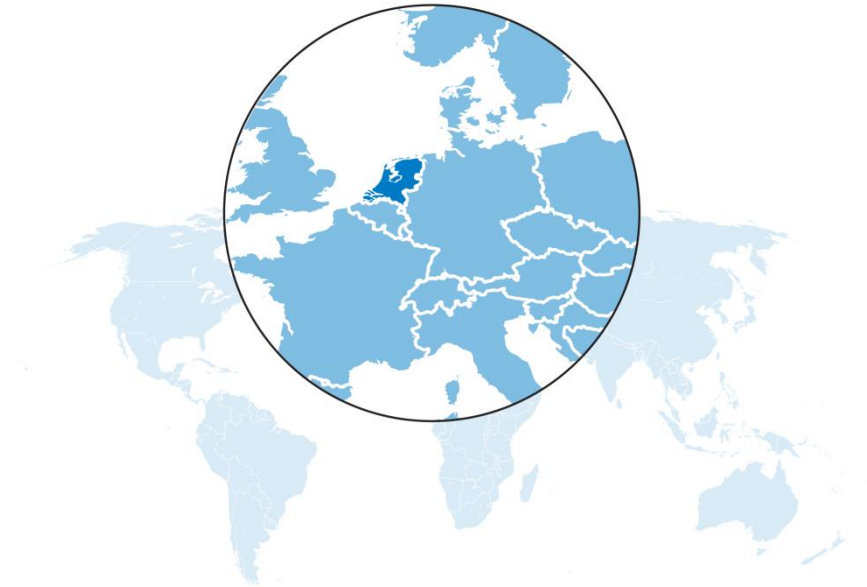
Content






- About the Netherlands
- Livestock sector
- Organisation
- Expertise and education





The Netherlands

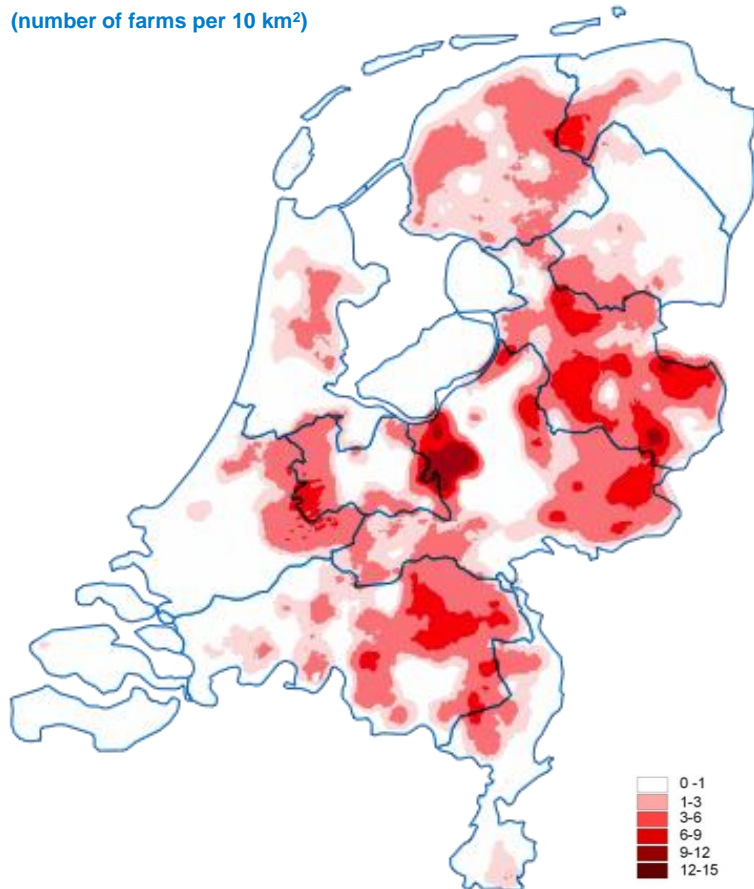


<p>Population</p>  <p>17 million</p>	<p>Surface</p>  <p>41,526 km²</p>	<p>Population Density</p>  <p>401.4 people/km²</p>	<p>Water</p>  <p>26% below sea level</p>	<p>Agricultural and horticultural companies</p>  <p>65,000</p>
---	---	--	---	---









Density of animal farms

(number of farms per 10 km²)



Animal husbandry in the Netherlands

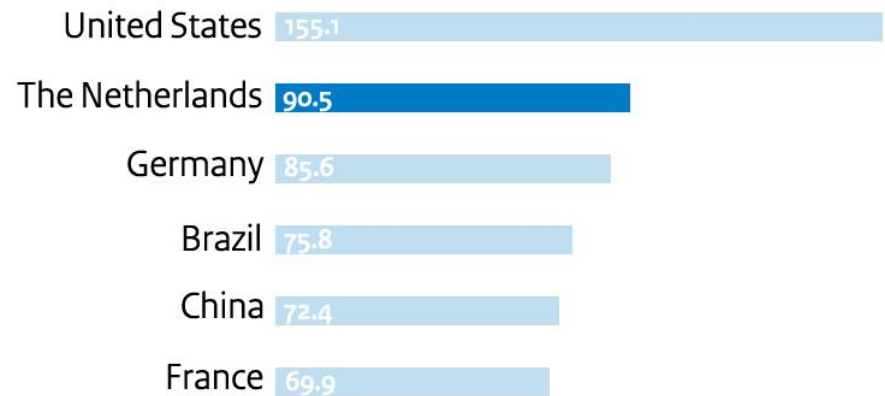
-  3.9 million cattle
-  900,000 veal calves
-  12 million pigs
-  500,000 horses
-  1.5 million sheep and goats
-  100 million poultry



The Dutch Agri & Food sector

- 10% of GDP
- 10% of labour force
- €42 billion added value
- 2nd exporter of agri products worldwide
- Exports to more than 170 countries
- The Netherlands produces 5x more than EU average

Export agricultural products in 2016
(in billion euros)





Top 5
Agricultural export country partners (in billion euros)

1 Germany	2 Belgium	3 U.K.	4 France	5 Italy
€20.9	€8.5	€8.3	€6.9	€3.3

€ 5.4

Animals and animal products exported to countries
outside the European Union

Top 5
Agricultural export products (in billion euros)

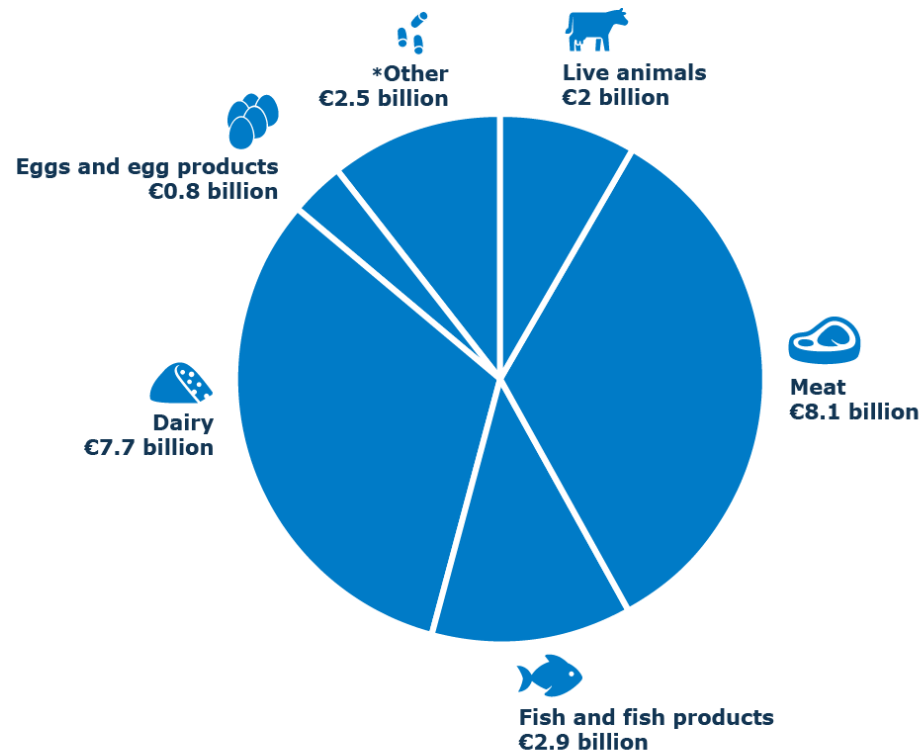
Flowers & Plants	Meat	Dairy & Eggs	Vegetables	Fruits
				
€ 8.72	€ 7.79	€ 7.22	€ 6.56	€ 5.01

The Netherlands agricultural trade in 2016





Total export of animals and animal products worldwide: €24 billion in 2014



*Other: genetic raw material, processed animal protein, animal fat, animal feeds



The Dutch livestock sector



Dutch dairy sector

- 18.100 dairy farms (2.8% of EU)
- 1.5 million dairy and calf cows (6.5% of EU)
- Average milk production/farm 636,000 kg
- Total milk production: 11.9 billion kg milk (7.8% of EU)
- 51 dairy plants, 21 companies
- Contribution to economy: €6 billion (1.2%)
- Major player in international market:
 - EU market share milk production: 7.8%
 - Global market share: 1.9%





Dutch pig sector

- 100 million people consume Dutch meat daily
- 15.3 million pigs slaughtered yearly
- Pork export: €2.4 billion
- Pork export outside EU: €500 million
- 13.000 people work in the Dutch meat processing industry





Dutch beef and veal sector

- Beef and veal export: €2.5 billion
- 1.5 million veal calves slaughtered yearly
- 570.000 cattle slaughtered yearly
- Export to more than 60 countries worldwide





Dutch poultry sector

- 576 broiler farms (4% of EU)
- 47 million broilers
- 580 million slaughterings yearly
- Poultry meat production: 986,000 tons
- 20 large poultry slaughterhouses
- 30 large meat cutting premises
- Export per year:
 - Volume: 1.5 million tons
 - Value: €2 billion
 - Destination: 75% to EU member states, 25% to countries outside the EU





Dutch egg sector

- 1,060 laying hen farms
- 34.8 million laying hens
- 10.5 billion eggs per year
- 78 egg packing centers





Animal byproducts

- Input Animal byproducts (in 1000kg/year)
 - Ruminant: 52,000
 - Pigs: 356,000
 - Poultry: 333,000
 - Mix: 284,000
 - Total Input byproduction: 1,025,000
- Output produced product
 - Animal fats: 169,000
 - Animal proteins: 264,000





Bovine Genetics

- 5 EU certified bovine semen collection centres
- 3.2 million bovine artificial inseminations in the Netherlands per year
- 3.2 million doses of semen exported
- Export to 80 countries



Porcine Genetics

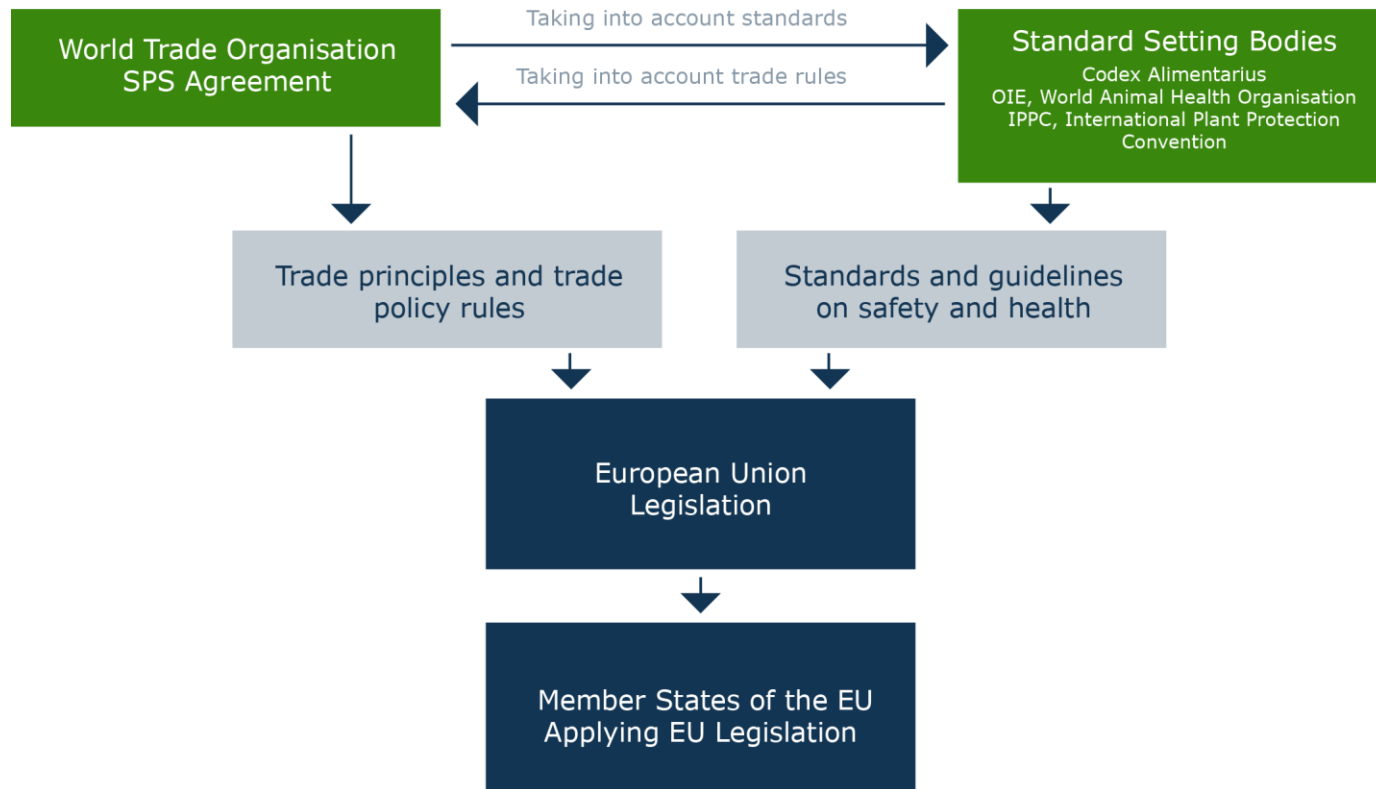
- 25,000 breeding pigs held on 55 farms
- Producing replacement gilts for Dutch market
- 4.7 million porcine artificial insemination in the Netherlands per year
- Export of genetic process and knowledge

A photograph showing a row of white wind turbines stretching across a green field under a blue sky. In the foreground, several sheep are grazing. The scene is set on a grassy hill overlooking the ocean.

Organisation



International Trade Policy and Health Standards





Dutch policy

Ministry of Economic Affairs

Ministry of Health, Welfare and Sports



Monitoring
and Control

NL Food & Consumer Product Safety Authority (NVWA)

Netherlands Controlling Authority for Dairy Products and Eggs (COKZ/NCAE)



Scientific
Support

National Reference Labs (WBVR, RIVM, Rikilt)

Animal Health Service (GD)

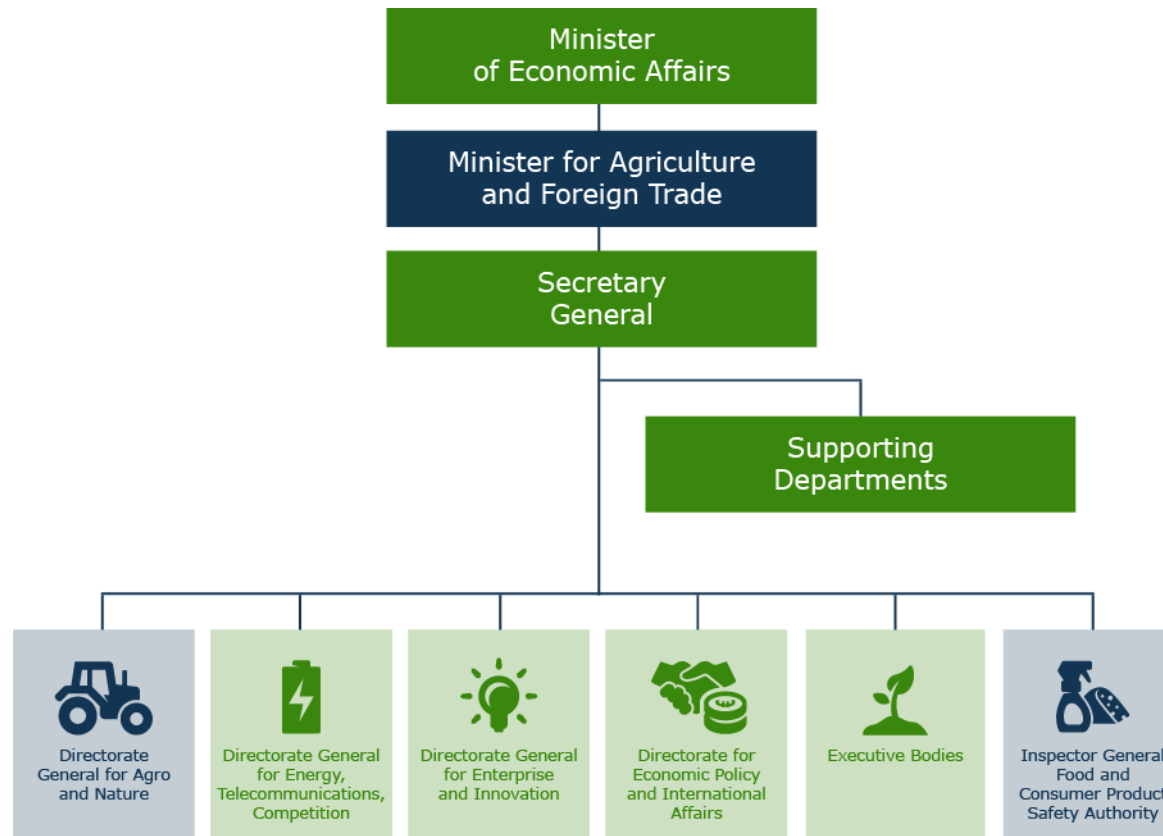


Industry

Branch Organisations & Stakeholders

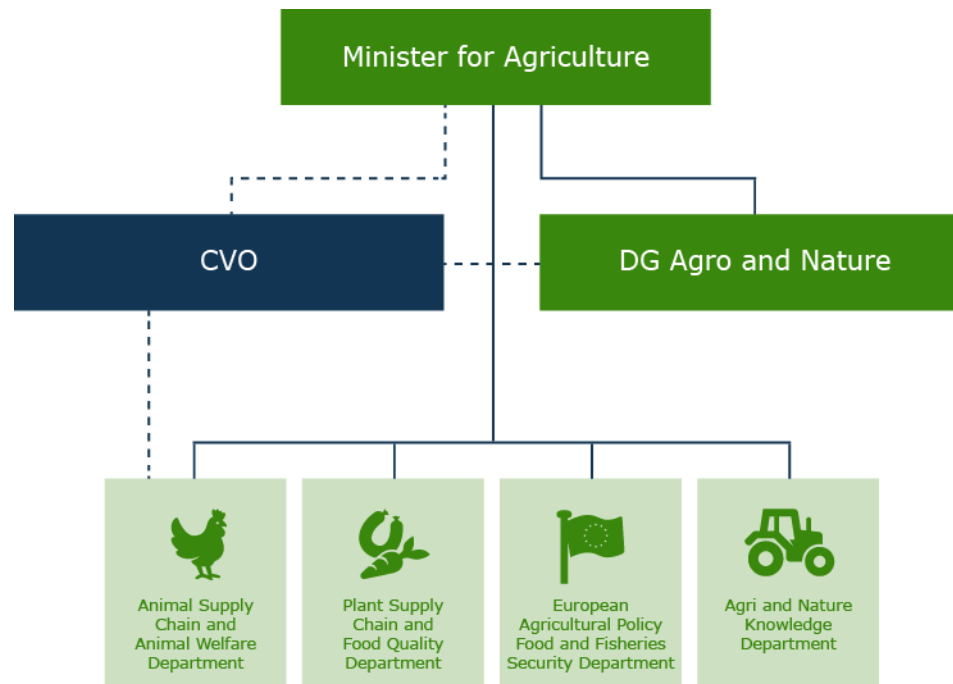


Ministry of Economic Affairs





CVO's independent position





Main tasks CVO

- Top Veterinary Policy Advisor to the Minister for Agriculture on animal health
- Animal disease crisis management
- OIE Delegate
- Chief Veterinary Trade representative



Animal Health Policy in the Netherlands

- Adopting policy goals from EU Directives
- For animal health, if necessary, additional national legislation is made
- Based on 3 pillars:
 - Prevention
 - Monitoring
 - Control
- Adopting measures in consultation with private sector
- Crisis Preparedness and training:
 - 24/7 availability of crisis structure
 - Goal crisis management: eradicate disease safeguarding products

A photograph of a laboratory setting where several students in white lab coats are focused on using microscopes. The students are arranged in a line, with the foreground student being a young woman with blonde hair in a ponytail, looking intently through the eyepiece. Behind her, a young man with brown hair is also looking through a microscope. The background shows other students and more microscopes, creating a sense of a busy educational environment. The lighting is bright and even, highlighting the students' concentration.

Expertise and education



Veterinarians in the Netherlands

- Faculty of Veterinary Medicine in Utrecht
- 70% in general practice
- 360 vets work at the NVWA
- All farmers have a 1 to 1 relation with their private veterinarian



1

Veterinary Faculty
at Utrecht University



225

Vet students
a year



4,680

Vets working
in the Netherlands



Agricultural Education in the Netherlands

- High level of training
- Education of farmers & supporting services in agriculture
- Wageningen UR world renowned



1

Research university
Wageningen UR



5

Universities
for applied
agricultural sciences



13

Schools
for agricultural
skills



47

Schools for
pre-vocational
agricultural education



Expertise & research: National Reference Labs

- **Feed and Food Safety Laboratory**

Public, part of NVWA

- **RIKILT**

Public, Agency of ministry of Health, Welfare and Sports

- **Wageningen Bioveterinary Research (WBVR)**

Private, official government related veterinary institute

- **RIVM**

Private official government related institute

- **(GD Animal Health)**

Private official veterinary laboratory

- **(Private Expertise labs)**





Governmental oversight

- Government is at all time responsible for food safety
- NVWA supervises
- WBVR supervises Animal Health Service
- Dutch Accreditation Council accredits laboratories
- Food and Veterinary Office audits NVWA performance



Expertise: international context

- European Commission, *Brussels*
- European CVO Network
- FVO (Food and Veterinary Office), *Grange*
- EFSA (European Food Safety Authority), *Parma*
- FAO (Food & Agriculture Organization)
& Codex Alimentarius, *Rome*
- OIE (World Organization for Animal Health), *Paris*
- ECDC (European Centre for Disease Prevention
and Control), *Stockholm*
- WTO, World Trade Organisation, *Geneva*





Communication

- Keep our trade partners updated
- Notifications yearly to OIE
- Immediate notification of an outbreak
 - OIE
 - EU
 - Trade partners



Summary

- Densely populated country
- Global export
- 24/7 crisis management
- Well developed education
- Close cooperation throughout the whole production chain
- Government responsibility and guarantees





Ministry of Economic Affairs

Thank you for your
attention