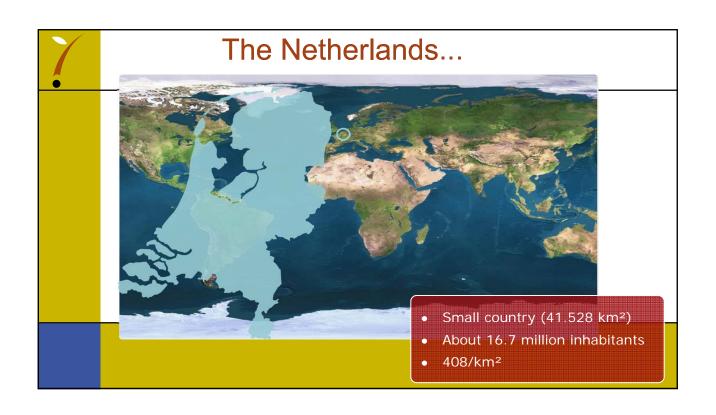


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The Netherlands and Plant Breeding nowadays



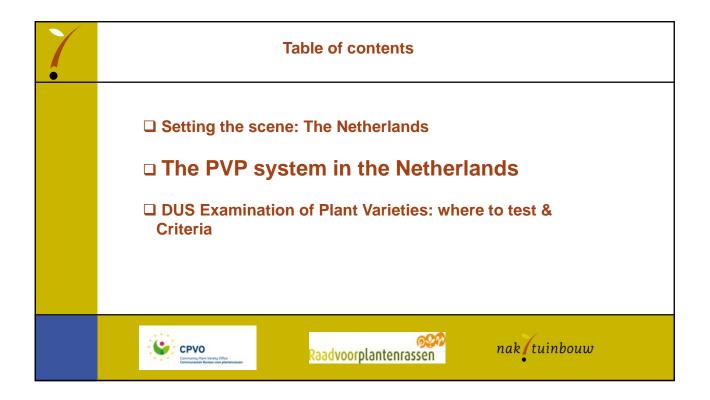
- Present, only private breeding, Government finances fundamental breeding research
- In the Netherlands there are approx. 350 breeding companies with an annual turnover of approx. € 2.5 billion.
- Of top 10 vegetable breeding companies in the world, 7 are in NL
- Many breeding companies are Small and Medium Enterprises
- 15-30 % of their annual turnover is spent on R&D
- Yearly private investment is € 250 -350 million (\$ 350 – 475 million)

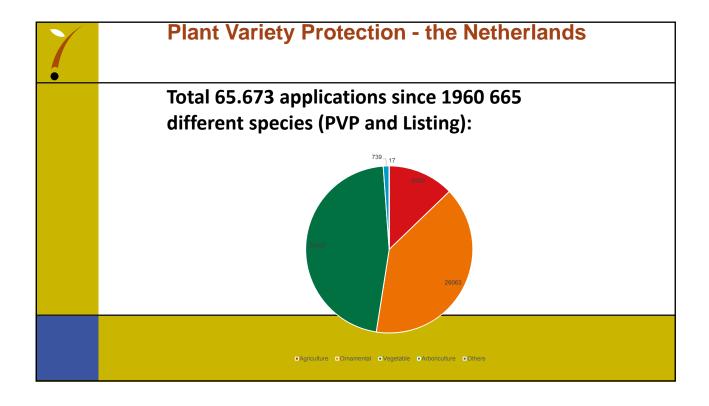


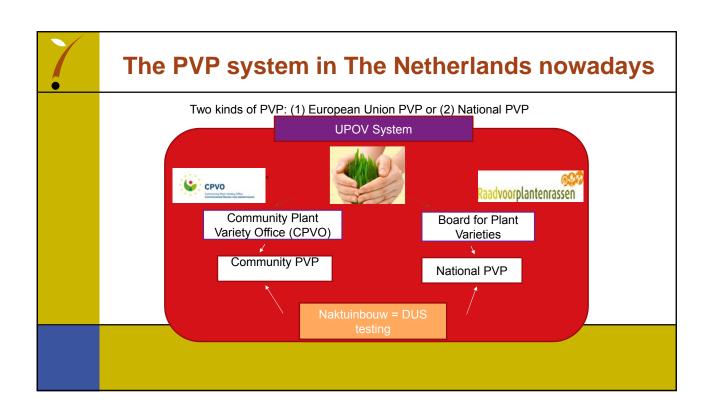
The Netherlands and Plant Breeding nowadays

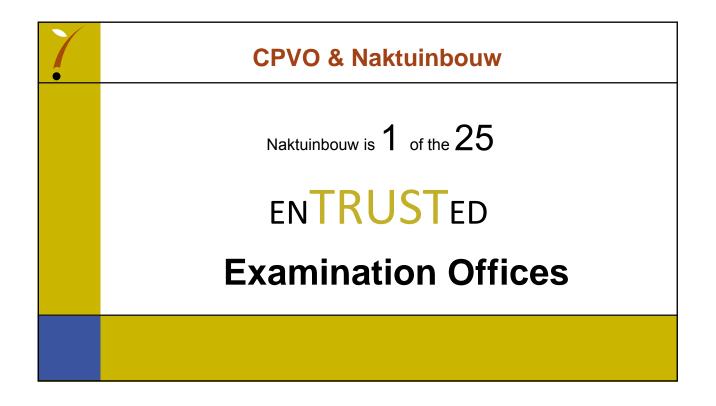


- 24% of value of world export of seeds and propagating material from the Netherlands
- 47% of European use of Seeds and propagating material is from the Netherlands
- The Dutch Breeding sector world market leader
 - Vegetables
 - o Ornamentals
 - o Potatoes

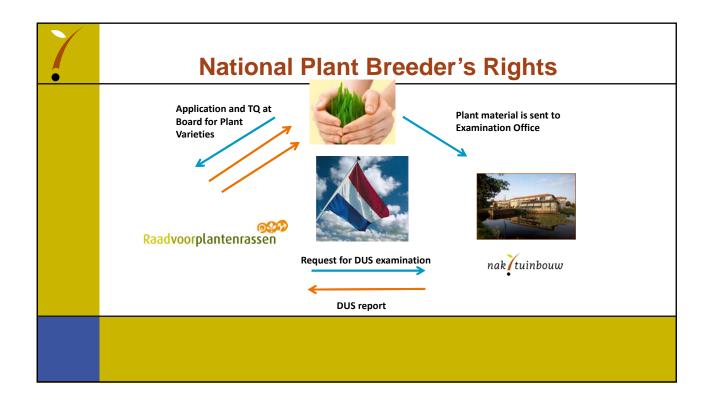








Number of applications							
Crops	2016			Total			
	List PVP						
		NL	CPVO				
Ornamentals		232	562	794			
Agriculture	251	82	8	341			
Vegetables	676	486	111	1273			
Trees			19	19			
Total	927	800	700	2427			

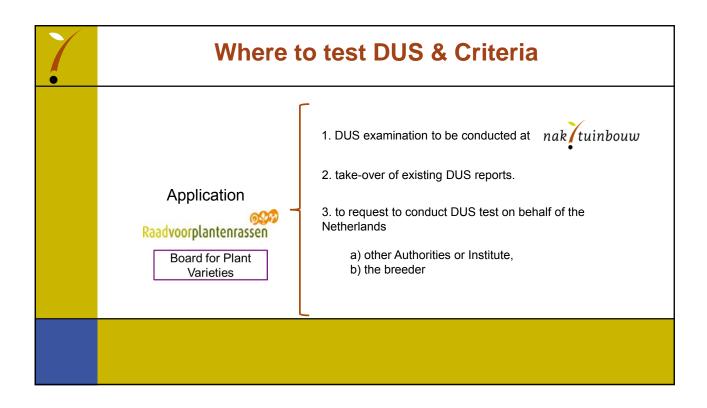


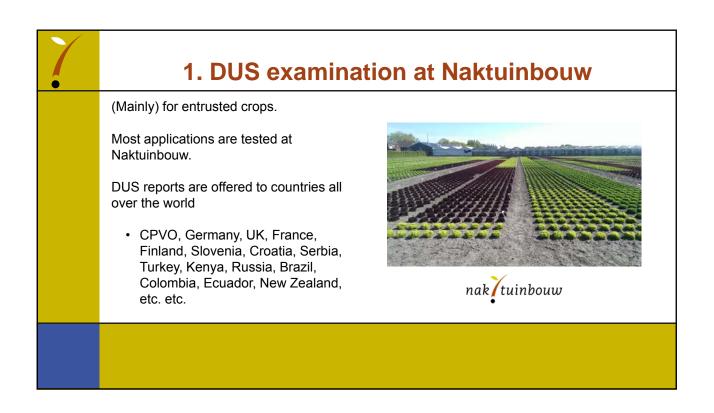
Board for Plant Varieties
 Falls under Ministry of Economic Affairs Members of the Board (7 – 11) appointed by Minister No administrative tasks Secretary of the Board http://www.raadvoorplantenrassen.nl/en/home
Raadvoorplantenrassen



Naktuinbouw				
 Non-profit organisation, 'only public duties' Regulated by the Ministry of Economic Affairs Independent chairman appointed by the Minister of Economic Affairs Charged with activities based on the Dutch Seeds and Planting Materials Act (ZPW) and the Plant Diseases Act (PZW) Activities 100% funded by the business community 				

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2. Purchase of DUS reports in The Netherlands

If the variety has been tested already by other entrusted (CPVO) EO the Dutch board of Plant Varieties can "take over the report

'Take-overs' mainly:

- agricultural crops (maize, wheat)
- vegetables (lettuce, tomato)
- Fruit



3. Request DUS test to other authorities (1/2)

DUS done by other Entrusted CPVO EO

- Flax: France
- Maize: France, Germany, Czech Republic
- Wheat: Czech Republic, Germany
- Fruit: Germany
- '2 trials in one year' for pea, bean, onion, cabbage, maize etc., with the 2nd trial in Czech Republic or for maize in Slovenia





Request DUS test to other authorities (2/2)

The Netherlands has:

- · Bilateral agreements:
 - · Potato: for Denmark, Belgium
 - Spinach: for United Kingdom.
 - Rose: for Colombia
- · Multilateral agreements
 - Ornamentals in Europe:
 - · Chrysanthemum: United Kingdom,
 - · Alstroemeria and Gerbera: the Netherlands,
 - Rose

Cutflowers: the Netherlands

Potroses: Germany,

Garden roses: United Kingdom.





Request DUS test in cooperation with Breeders

- maximizes the use of all available information
- minimizes the time for DUS examination
- can provide access to breeders' specialist resources
- is always under the control of the Authority
- can involve the applicant in all aspects of conducting the DUS Test but will always result in a decision being taken by the Authority

Seaweed



