



nak  *tuinbouw*

Country Analysis The Netherlands

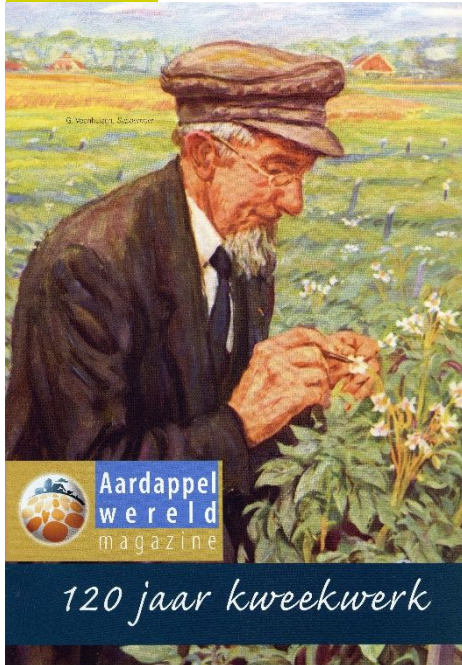
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The Netherlands in statistics

Item	Magnitude	Remark
Area	41.528 km ²	18.41% water
Population	17 million	498 / km ²
Temperature	2.8 – 17.4 C	January – July
GDP	697 billion €	
Export – Agri	85 billion €	Dairy / meat / flowers / potatoes / seed
Farmers	55.000	Decreasing 3 % / year
Breeders	300	2.4 billion
Agriculture	1.8 million ha	1.2 million ha grasses
Arable crops	500.000 ha	Maize, Wheat, Sugarbeet, Potato
Horticulture	100.000 ha	9.000 ha greenhouses

From farmer to formal seed system



- Netherlands
 - Farmer breeding
 - 1900 - 1943 Public and private breeding
 - 1934 - 1942 Breeders' compensation fund
 - 1942 - 1967 Breeders' decree
 - 1967 - 2005 Seeds and Plant Materials Act
 - 1968 Accession to UPOV
 - 1995 EU Plant Breeders' Rights
 - 1998 Accession to UPOV 1991
 - 2005 New Seeds and Plant Material Act
- Gradual process of over 100 years
- Geared for worldwide production and marketing

Testing for Listing and Recommendation in the Netherlands

	Number of:						
	Years		Trials/year		reps		Varieties
	Nat. List	Rec. List	Yield	special tests	in yield trials	in testing per year	
Sugarbeet	2	3	5 (4)	5	3	100	
Maize for silage	2	3	7	-	2	160	
Maize for grain	2	3	4	-	2	30	
Winter wheat	2	3	6+3*	6	2	55	
Spring barley	2	3	4+2*	2	2	30	
Spring wheat	2	3	3+3*	3	2	10	
Industrial chicory	2	3	3	1	3	12	
Potatoes	2	no	-	7	-	90	
Green manure crops	2	3	2	2	3	50	
Fodder grasses	3	4	4	-	3(4)	90	

*: with disease control/without disease control

Number of varieties listed

1930-1950 low number

1950-1970 very low number of similar varieties

1970-2010 higher numbers

1960 introduction of hybrids

1970 introduction of breeding for disease resistance

1995 Introduction of breeding for taste

After the second world war pressure for high production. Limitation of biodiversity. Breeding for high yield.

With the introduction of breeding purposes for disease resistance and taste more genes from wild relatives were introduced in varieties for cultivation



Responsibilities in the Netherlands Propagating material

Ministry of Agriculture

Board for plant Varieties

- National Listing
- National Plant Breeders' Rights

NVWA

- Phytosanitary control

Naktuinbouw

- DUS testing
- Phytosanitary tests horticultural crops
- Quality Inspection

NAK

- Phytosanitary tests agricultural crops
- Quality Inspection

BKD

- Phytosanitary tests bulbs
- Quality Inspection

SKAL

- Phytosanitary tests in biological production
- Quality Inspection

Registration in The Netherlands

Ornamental crops: listing not obligatory, Plant Breeders' Rights

Fruits: listing obligatory for professionals for species mentioned in common catalogue, Plant Breeders' Rights

Vegetables: listing obligatory for professionals for species mentioned in common catalogue, Plant Breeders' Rights

Agricultural crops: listing obligatory for professionals for species mentioned in common catalogue, Value Cultivated Usage for limited number of species, Plant Breeders' Rights

Ornamental crops

Listing not obligatory, Plant Breeders' Rights

Cost PBR

Application Fee for Board for Plant Varieties: 438,- €

Test fee: 1.734 – 2.443 €



Fruits

Listing obligatory for professionals for species mentioned in common catalogue, Plant Breeders' Rights

2008/90: Article 5.2 possibility for listing varieties for non professional circuit. Varieties do not have to fulfil strong DUS criteria. (biodiversity varieties)

Dutch situation:

Register all varieties and mark biodiversity variety with denomination and name of the Breeder in the National List. Discussion about varieties that enter The Netherlands from outside EU. In low numbers acceptable as biodiversity variety?

Costs:

National list: At the moment no costs

PBR: Application Fee: 438,- €
 Testing Fee: NL not testing.
 Depends on foreign tariffs

Specialist for fruits and trees:

Marco Hoffman

m.hoffman@naktuinbouw.nl



Vegetables

Listing obligatory for professionals for species mentioned in common catalogue, Plant Breeders' Rights

Turnover less 500 €: no obligatory registration

Species not in common catalogue: no obligatory registration

Amateur varieties/ land races: Turnover more 500 €. Small packages. Uniformity level 10% population standard.

Specialist for amateur variety's: Marian van Leeuwen.

m.v.leeuwen@naktuinbouw.nl.

- Application fee 42 €
- Testing fee 219 -342 €

Common Catalogue species:

Cost PBR and/or national listing

Application Fee for

Board for Plant Varieties: 438,- €

Test fee: 1.902 – 2.555 €



Agricultural crops

Listing obligatory for professionals for species mentioned in common catalogue, Plant Breeders' Rights

Turnover less 500 €: no obligatory registration

Species not in common catalogue: no obligatory registration

Amateur varieties/ land races: Turnover more 500 €. Small packages. Uniformity level 10% population standard.

Specialist for amateur variety's: Marian van Leeuwen.

m.v.leeuwen@naktuinbouw.nl. Specialist agricultural corps: Lysbeth Hoff.

l.hoff@naktuinbouw.nl

- Application fee 42 €
- Testing fee 264 -420 €

Common Catalogue species:

Cost PBR and/or national listing

Application Fee for

Board for Plant Varieties: 594- €

Test fee: 1.500 – 2.040 €

Naktuinbouw: quality in horticulture

Thank You

