Plant Breeders Rights and Listing Cooperation in the Netherlands

the Vegetable Open Day in Edinburgh on the 12th September

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Seeds and Plant Material Act 2005

- Combined in one Act:
  - Listing of plant varieties and provenances of trees
  - Trading of seeds and plant material
  - Plant Breeders' Rights

PBR/LISTING in the Netherlands

Characteristics of NL system

- Centralised, multi - test system
- One organisation responsible for complete process DUS testing
- Own DUS testing in field and green houses on behalf of NL, CPVO and other Member States
- Purchase of reports
- Sale of reports
- Collaboration with other inspection services in NL
  - Combining reference collections and making use of inspection trials

Cooperation in PBR (1)

1. Cooperation with EU Member States on PBR and listing
2. Cooperation with other UPOV Member States
3. Involvement in projects on accession to the EU (implementation of EU legislation)
4. PVP training
5. UPOV & CPVO

Cooperation in PBR (2)

6 Disease resistance testing

7 Calibration manuals

8 Bilateral cooperation

9 DNA databases

10 Other cooperation

1 Cooperation with EU Member States on PBR and listing

Cooperation between Naktuinbouw and EU Member States on PBR and listing (Bundessortenamt, GEVES, NIAB, INIA, UKZUZ, COBURU etc.)

All Member States	exchange of variety descriptions
CPVO	projects on harmonization; PVP-course; R&D projects
Bundessortenamt	PVP-training; database (potato) 9 counties;
GEVES	databases; disease resistance testing; data collecting; PVP-training
SASA	database (potato)
INIA	disease resistance testing
UKZUZ	2 trials in one season (bean, pea, onion, cabbage)
UKSUP	2 trials in one season (sweet corn)
general	disease resistance testing
Etc.	

2 Cooperation with other UPOV Member States

Cooperation between Naktuinbouw and other UPOV Member States

China	exchange of information; training on DUS
China/Taiwan	DNA database *Phaleanopsis*
Korea	Memorandum Of Understanding; exchange of DNA tests; PVP-course
Japan	Memorandum Of Understanding; development of calibration manuals; PVP-course
Vietnam	PVP-training

3 Involvement in projects on accession to the EU

Involvement in projects on accession to the EU (implementation of EU legislation):

Hungary, Czech Republic, Slovenia, Poland, Estonia, Lithuania, Rumania, Bulgaria, Croatia, Serbia, Albania

Recently:

Ukraine	development of PVP system
Turkey	exchange of information on PVP systems
Bosnia Herzegovina	development of regulation and PVP system
Montenegro	development of regulation

4 Missions for PBR

China	development into UPOV 1991
Indonesia	development PVP system (UPOV observer)
Vietnam	implementation PVP and awareness
Malaysia	development PVP system (UPOV observer)
Egypt	development PVP system (UPOV observer)
Tanzania	development and awareness PVP
Myanmar	development and awareness PVP (PVP law – not yet UPOV conform)
OAPI	African Intellectual Property Organization implementation PVP - implementation PVP and awareness
ARIPO	African Regional Intellectual Property Organization - implementation PVP and awareness
Mexico	development into UPOV 1991
Etc.	

5 UPOV & CPVO

Annual technical meetings UPOV, CPVO

- Expert meetings
  (Technical) meetings UPOV
  (Technical) meetings CPVO

- Ring tests - Field visits

- UPOV: harmonizing guidelines explanatory notes

- UPOV/CPVO electronic application form

- CPVO/EU: harmonizing denomination rules, projects (Harmores)

6 Disease resistance testing

- Tested by Naktuinbouw:

Spinach *Peronospora*: for United Kingdom and France
Greece: for all diseases

- Tested of behalf of the Netherlands:

Pea *Erysiphe pisi*: tested by France
Tomato TYLCV: tested by Spain

- Exchange isolates and protocols mainly with Spain and France

- Future Matref/Plantum networks:

-Isolates
-Differentials
-Standards

7 Calibration manuals

Calibration manuals

Japanese-Dutch cooperation.

Goals 10 manuals in the next 4-5 years

Publication and available for free on both the Website of Naktuinbouw and of NCSS Japan

8 Bilateral cooperation

Bilateral agreements between the Board for plant varieties in The Netherlands and other countries

Some examples:

Tested on behalf of NL:

Mays (agricultural), Flax in France

Pelargonium in Germany

Tested in NL on behalf of other countries

Colombia, Ecuador, Argentina, Mexico: Rose

Denmark & Belgium: potato

United Kingdom: spinach,

Colombia: *Alstroemeria*

9 DNA databases

Combined existing databases

- *Phalaenopsis* (Taiwan-NL)
- Rose (on behalf of EU/CPVO storage of DNA)
- Potato (UK (SASA) – NL)

Future

- Horizon 2020
- Tomato
- Lettuce

Other cooperation

- PVP-training: CPVO, UPOV, GEVES, Bundessortenamt, Korea, Japan, Vietnam

- Exchange of experts: 4 foreign experts to Naktuinbouw (each year) as a guest worker. 2 Dutch experts visit other countries to study DUS work in other conditions.

- DUS-helpdesk: dushelpdesk@naktuinbouw.nl

Thank You

Quality in Horticulture