PQR: the EPPO database on quarantine pests

What is PQR?

PQR is the EPPO database on quarantine pests which provides data on:
- all the pests of the EPPO A1 and A2 lists and of EU Directive 2000/29
- pests of the EPPO Alert List
- plants of the EPPO List of invasive alien plants
- many other quarantine pests and invasive plants of interest to other regions of the world.

For each pest, it is possible to obtain lists of host plants, commodities able to act as pathways in international trade, details of geographical distribution with maps, and pictures. Conversely, it is also possible to interrogate the database to obtain specific lists of pests, by stipulating the host species, the commodity, and the countries of interest. PQR contains general nomenclatural and economic details on pests and hosts.

Free downloads from the EPPO website: www.eppo.int/DATABASES/pqr/pqr.htm

Brief history of PQR development

1984: initiation of PQR development by Dr IM Smith and Ms BC Smith.
1990: first database for the internal use of the EPPO Secretariat.
1991: first version distributed to NPPOs.
1991–2007: several versions distributed on disks or CD-Roms to NPPOs.
2007: PQR freely downloadable from the EPPO website.
2011: new interface to allow frequent updates and new functionalities.

Main features of PQR

- Updated information: all new data collected by the EPPO Secretariat (scientific literature and official pest reports) which appears in the EPPO Reporting Service and the EPPO Alert List is included in PQR. Several updates of PQR are released every year.
- Dynamic maps: showing the world distribution of a pest. When distribution changes, the map is automatically updated.
- Official pest status: when NPPOs have provided an official pest status (in the terms of ISPM 8), it is displayed in a text field.
- Links to the EPPO Reporting Service: when a Reporting Service article is quoted to describe the situation of a pest in a given country, the full article can be accessed.
- Pictures: over 1500 photos of pests including invasive plants can be viewed.

Future plans: EPPO Global Database

It is planned to gather in a single web-based database all pest-specific information prepared by EPPO.

Pest-specific documents
- Data sheets
- Pictures
- Reporting Service
- Pest Risk Analysis

Pest-specific Standards
- Diagnostic protocols
- National Regulatory control systems
- Phytoecological treatments

Diagnostic expertise
- Laboratories & Experts

EPPT data
- Plant & pest names
- Elements of taxonomy
- EPPO codes

PQR data
- Host plants
- Distribution lists & maps
- Categorisation

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