EUROPEAN AND MEDITERRANEAN PLANT PROTECTION ORGANIZATION

## **EPPO**

## Reporting

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#### 2003/113 New data on quarantine pests and pests of the EPPO Alert List

By browsing through the literature, the EPPO Secretariat has extracted the following new data concerning quarantine pests and pests included on the EPPO Alert List. The situation of the pest concerned is indicated in bold, using the terms of ISPM no. 8.

#### New geographical records

During surveys carried out in 1996-2000 in the central zone of Chile- on production and propagation material of grapevine, *Cherry leaf roll nepovirus* (EPPO A2 list) was detected in 0.2% of the tested samples (Herrera & Madariaga, 2001). **Present, detected in the central zone with a low incidence.** 

Phaeoramularia angolensis (EPPO A1 quarantine pest) occurs in northwest Ethiopia. It was detected in 11 of the 18 districts studied and severity reached 68% on leaves and 97% on citrus fruits (Dessalegn & Girma, 2002). **Present, found in northwest Ethiopia.** 

Investigations carried out in orchards and fruit tree collections in different regions of Iran revealed the presence of *Plum pox potyvirus* (EPPO A2 quarantine pest). (Buntsevich *et al.*, 2001). **Present, no details**.

Raspberry ringspot nepovirus (EPPO A2 quarantine pest) has been isolated from one sample of Japanese anemone (Anemone hupehensis var. japonica x A. vitifolia) from a nursery in north western Italy (Lisa et al., 2002). Present, found on 1 sample of anemone.

Stenocarpella maydis (EPPO A2 quarantine pest) was found during surveys on the major diseases of maize carried out in Ethiopia from 1991 to 2000 (Tilahun et al., 2001). **Present, no details**.

#### Detailed records

*Cryphonectria parasitica* (EPPO A2 quarantine pest) was found in street chestnuts (*Castanea sativa*) in Zuid-Limburg, Netherlands in November 2001. An earlier infection had occurred in 1995 (Anonymous, 2002).

Citrus tatter leaf capillovirus (EPPO A1 quarantine pest) occurs in citrus-growing regions of Fujian Province, China (Wu Rujian & Ke Chong, 2002).

In Mexico, *Tomato spotted wilt tospovirus* (EPPO A2 quarantine pest) was detected on tomatillo (*Physalis ixocarpa*) in the states of México, Puebla and Morelos (Torre-Almará *et al.*, 2002).



Synchytrium endobioticum (EPPO A2 quarantine pest) occurs in Volgograd region, Russia (Demchenko, 2001).

Source:

Anonymous (2002) [Canker of sweet chestnut]. Gewasbescherming, Netherlands Plantenziektenkundige Dienst, Wageningen, 33(2), p 79. [Review of Plant Pathology 81(12), December 2002, abst. 12380, p 1805].

Buntsevich, L.L.; Omidallakh, A.; Mutisher, B.; Nankali, A. [Virus and phytoplasma disease in fruit crops in Iran.]. (2001) Zashchita i Karantin Rastenii, no. 4, p 32-33. [Review of Plant Pathology 81(9), September 2002, abst. 8447, p 1199].

Demchenko, V.I. (2001) [Activities and plans of Volgograd quarantine Inspectorate.] Zashchita i Karantin Rastenii, no. 6, p 9. [Review of Plant Pathology 81(9), September 2002, abst. 8410, p 1192].

Dessalegn, Y.; Girma, G. (2002) *Phaeoramularia angolensis*: a citrus disease in Northwest Ethiopia. AgriTopia, 17(1), 12-13.

[Review of Plant Pathology 81(9), September 2002, abst. 8614, p 1226].

Herrera, M.; Madariaga, V.M. (2001) [Presence and incidence of grapevine viruses in the central zone of Chile.] Agricultura Técnica, 61(4), 393-400. [Review of Plant Pathology 81(9), September 2002, abst. 8532, p 1213].

Lisa, V.; Vaira, A.M.; Milne, R.G.; Masenga, V.; Lesemann, D.E. (2002) Virus diseases of Japanese anemone. Acta Horticulturae, no. 568, 185-191. [Review of Plant Pathology 81(10), October 2002, abst. 10074, p 1445].

Tilahun, T.; Ayana, G.; Abebe, F.; Wegary, D. (2001) Maize pathology in Ethiopia: a review. In: Enhancing the contribution of maize to food security in Ethiopia. Proceedings of the 2nd National Maize Workshop of Ethiopia, Addis Ababa; Ethiopia, 2001-11-12/16. [Review of Plant Pathology 81(10), October 2002, abst. 9420, p 1350].

Torre-Almaráz, R. de la; Cervantes-Díaz, L.; Houston, H.A.; Valverde, R. (2002) Phenotypic variation of some Mexican isolates of tomato spotted wilt virus (TSWV). Agrociencia (Montecillo), 36(2), 211-221.

[Review of Plant Pathology 81(10), October 2002, abst. 9984, p 1432].

Wu Rujian; Ke Chong (2002) [Reaction of citrus to the co-infection by the citrus Huanglongbing pathogen with other viruses.] Fujian Journal of Agricultural Sciences, 15(4), 12-16.

[Review of Plant Pathology 81(9), September 2002, abst. 8591, p 1223].

Additional key words: new record, detailed record

Computer codes: CERCAN, CLRV00, CTLV00, DIPDMA, ENDOPA, PPV000, RPRSV0, SYNCEN, TSWV00, CL, CN, ET, IR, IT, MX, NL, RU



#### <u>2003/114</u> First report of *Anoplophora glabripennis* in France

In May 2003, *Anoplophora glabripennis* (Coleoptera: Cerambycidae – EPPO A1 list) was reported for the first time in France. Larvae, pupae and adults were detected in the city of Gien (Loiret), on approximately 20 *Acer* trees. It is suspected that *A. glabripennis* has been introduced with wooden pallets from Asia. A national decree of compulsory control has officially been published with the aim of eradicating the pest. All infested trees have been burnt. A buffer zone within a radius of 1 km is delimited around all findings (area freedom will be declared only if after 4 consecutive years of thorough inspections, the pest is no longer found), movement of host plant material is prohibited from the infested area, as well as movements of any live stages of the insect.

The situation of A. glabripennis in France can be described as follows: **Present, reported in 2003 at Gien (Loiret), under eradication.** 

Source:

Cocquempot, C.; Hérard, F.; Raynaud, P. (2003) Les longicornes asiatiques. *Anoplophora glabripennis* et *Anoplophora chinensis*, une menace sérieuse pour l'arboriculture fruitière, les plantes d'ornement et les forêts françaises.

Phytoma – La Défense des Végétaux, no. 561, 24-28.

Arrêté du 28 mai 2003 relatif à la lutte contre *Anoplophora glabripennis*. Journal Officiel n° 131 du 7 juin 2003, p 9727.

#### **INTERNET**

L'Eclaireur du Gâtinais et du Centre du 27 mai 2003.

Gien: alerte au capricorne asiatique.

http://www.eclaireurdugatinais.com/news/archivestory.php/aid/3339/Gien:\_alerte\_au\_capricorne\_asiatique.html

Additional key words: new record Computer codes: ANOLGL, FR



#### <u>2003/115</u> First report of *Diabrotica virgifera* in United Kingdom

The NPPO of United Kingdom has informed the EPPO Secretariat of the first findings of Diabrotica virgifera (Coleoptera: Chrysomelidae – EPPO A2 list) on its territory. The insect was trapped at two sites near London, to the west and north west of Heathrow Airport. The findings were made on 28 August 2003. In one location, only one beetle has been trapped; in the other over 60 have been trapped. Considering the number of insects caught at one site, it is felt that it has been present in the country for more than a year. Eradication measures are now under consideration and are likely to include early harvest of the crop for silage and further precautions to prevent spread of the pest from outbreak sites. Limitations on future cropping are also likely to be applied to fields where infestation has been confirmed. Further searches are being undertaken and traps are being placed in other maize crops in the area. The situation of Diabrotica virgifera in United Kingdom can be described as follows: **Present, first trapped in 2003 near Heathrow airport, under official control.** 

Source: NPPO of United Kingdom, 2003-09.

Department for Environment Food and Rural Affairs (DEFRA), UK,

Plant Health Web site.

New pest of maize found in the UK.

http://www.defra.gov.uk/news/2003/030904c.htm

Additional key words: new record Computer codes: DIABVI, GB

#### <u>2003/116</u> <u>Detection of *Diabrotica virgifera* in Alsace, France</u>

Within the framework of the national monitoring programme which started in 1989, a new outbreak of *Diabrotica virgifera* (EPPO A2 list) has been found in France (see also EPPO RS 2002/139). One adult was trapped near Blotzheim (Alsace, department of Haut-Rhin) near the airport of Bâle-Mulhouse (located 4.7 km from Germany and 4.8 km from Switzerland). Official control measures are being applied.

Source: NPPO of France, 2003-08.

Additional key words: detailed record Computer codes: DIABVI, FR



#### 2003/117 Squash leaf curl begomovirus found in Israel

The NPPO of Israel (PPIS) informed the EPPO Secretariat of the presence of Squash leaf curl begomovirus (SLCV - EPPO A1 list) in Israel. In Autumn 2002, severe leaf curling symptoms were observed on cultivated squash (Cucurbita pepo) in an agricultural settlement near Jerusalem and thereafter by delimiting surveillance in other cucurbit-growing areas around the country. SLCV was found affecting the field crops squash (Cucurbita pepo), pumpkin (Cucurbita moschata) and melon (Cucumis melo), as well as the wild weed hosts Ecballium elaterium (Cucurbitaceae) and Malva nicaeensis (Malvaceae). Surveillance is being maintained and further scientific study are being undertaken. The status of this pest in Israel is declared as: Present.

Source: NPPO of Israel, 2003-09.

Antignus, Y.; Lachman, O.; Pearlsman, M.; Omer, S.; Yunis, H.; Messika, Y.; Uko, O.; Koren, A. (2003) *Squash leaf curl geminivirus* - a new illegal immigrant from the Western Hemisphere and a threat to cucurbit crops in Israel. Abstracts of presentations made at the 24<sup>th</sup> Congress of the Israeli Phytopathological Society.

Phytoparasitica 31(4), p 415.

Also available on Internet: http://www.phytoparasitica.org

Additional key words: new record Computer codes: SLCV00, IL

#### <u>2003/118</u> Findings of *American plum line pattern ilarvirus* in Europe

During a survey on stone fruit viruses conducted in Palestine, an unusual virus was isolated from *Prunus salicina* cv. Beauty. Mechanical inoculation to herbaceous indicators (*Nicotiana occidentalis*) produced symptoms but ELISA tests failed to detect ilarviruses and nepoviruses known to occur in fruit trees in Europe. Further studies (biological characterization, virus purification, partial sequencing, molecular hybridization and serology) revealed the presence of *American plum line pattern ilarvirus* (APLPV - EPPO A1 quarantine pest). This finding prompted investigations in other countries. A total of 701 samples was collected from 13 Italian commercial plum orchards, 3 varietal collections (Italy and Spain), and the virus-infected stone fruit collection of IAM-Bari (IT). Samples were tested by ELISA, and if positive, re-tested by molecular hybridization. All samples from commercial orchards (516) and varietal collections (170) gave negative results. Out of the 15 re-tested samples, APLPV was detected in 4 samples of *P. salicina* grown in the virus-infected collection of Bari. These samples originated from Italy (Puglia and Sicilia), Albania and Tunisia. All APLPV-infected plants were collected as symptomatic samples during previous surveys but had not been



specifically tested for the presence of this virus. More extensive surveys are under way to assess the incidence of APLPV in the Mediterranean region.

Concerning the Tunisian situation, the NPPO of Tunisia provided more information and stated that the infected samples had been collected from 2 trees (*P. salicina* cv. Sciro) during the 1995/96 growing season) in a commercial apple orchard (and not a plum orchard) in the region of Mornag (20 km south of Tunis). Trees located in the vicinity of this orchard were all apple and pear which are not hosts of APLPV. In addition, the Japanese plum cultivar concerned (cv Sciro) is not included in the Tunisian list of registered varieties. Therefore, it is concluded that these infected Japanese plum trees had been illegally introduced into Tunisia and later destroyed (even before APLPV tests were done). Visual inspections were carried out in all commercial orchards in the region of Mornag, and failed to detect any APLPV symptoms.

Concerning the Italian situation, the NPPO of Italy provided more information. The sample from Puglia corresponded to an old case. In 1992-93, a plant showing suspect virus symptoms was discovered. As the orchard was old, it was uprooted but a budstick was kept at the IAM-Bari and tested many years afterwards. Present surveys being carried out in Puglia, and the nearby region Basilicata, failed to detect symptoms of APLPV. The other sample from Sicilia was collected in autumn 2002 from a small plum orchard, on a tree which showed symptoms. A survey is planned in 2003 to delimit better the extent of the disease in Sicilia.

Concerning the Albanian situation, the NPPO of Albania stated that no further information is yet available on the possible presence of APLPV, and that surveys will be carried out in 2003.

Although, more studies are needed to understand better the current situation of APLPV in Europe, it appears that this North American virus is present in at least in some parts of the EPPO region.

Source:

Alayasa, N.; Al Rwahnih, M.; Myrta, A.; Herranz, M.C.; Minafra, A.; Boscia, D.; Castellano, M.A.; Pallás, V. (2003) Identification and characterization of an *American plum line pattern virus* isolate from Palestine.

Journal of Plant Pathology, 85(1), 3-7.

Myrta, A.; Abbadi, H.; Al Rwahnih, M.; Herranz, M.C.; Di Terlizzi, B.; Minafra, A.; Pallás; V. (2002) First report of *American plum line pattern virus* in Albania, Italy and Tunisia.

Journal of Plant Pathology, 84(3), 171-200.

NPPO of Albania, 2003-02. NPPO of Italy, 2003-01. NPPO of Tunisia, 2003-02.

Additional key words: new records

Computer codes: APLPV0, AL, IL, IT, TN



#### <u>2003/119</u> Results of 2002 surveys on quarantine pests in Latvia

During 2002, several surveys for different plant quarantine pests were carried out in Latvia (for 2001 results see EPPO RS 2002/075).

#### Bursaphelenchus xylophilus (EPPO A1 list)

71 samples of *Pinus* were collected from forest trees and sawn timber. *B. xylophilus* was not found. **Absent, confirmed by survey.** 

#### Beet necrotic yellow vein benyvirus (rhizomania - EPPO A2 list)

51 samples were collected from 35 beet production farms from a total area of 569.9 ha. The virus was not found. **Absent, confirmed by survey.** 

## Clavibacter michiganensis subsp. sepedonicus and Ralstonia solanacearum (both EPPO A2 list)

59 seed-potato production farms were inspected and 189 samples were taken for detection of potato ring rot and brown rot. Infection of *C. michiganensis* subsp. *sepedonicus* was found in 6 farms with infected fields (total area of 36.45 ha). Control measures are being taken in accordance with EU Council Directive 93/85. In 2003, the Ministry of Agriculture also allocated financial compensations to infested farms in order to reduce their losses due to the application of compulsory phytosanitary measures. *R. solanacearum* was not found.

## C. michiganensis subsp. sepedonicus: Present, found at 6 production sites, under official control.

R. solanacearum: Absent, confirmed by survey.

#### Erwinia amylovora (EPPO A2 list)

In order to verify the absence of *E. amylovora* in Latvia, 78 sites with fireblight host plants (*Chaenomeles, Cotoneaster, Crataegus, Malus, Pyrus, Sorbus*) over a total area of 552.5 ha were inspected and 93 samples were taken and tested for the presence of the bacterium. *E. amylovora* was not found. **Absent, confirmed by survey.** 

#### Glasshouse pests

During surveys on glasshouse pests, 132 samples were collected from 120 production sites.

- Bemisia tabaci (EPPO A2 list) was not found. Absent, confirmed by survey.
- *Liriomyza bryoniae* (EU Annexes) was confirmed in 16 glasshouses (total infested area of 20,840 m<sup>2</sup>), on the following crops: capsicum, cucumber and tomato. **Present, only in glasshouses.**
- Thrips palmi (EPPO A1 list) was not found. Absent, confirmed by survey.



#### Globodera rostochiensis and G. pallida (both EPPO A2 list)

7614 soil samples were collected from 85 seed-potato production farms and 194 nurseries and tested. Inspections were also carried out on these sites. The presence of G. rostochiensis was confirmed in 231 samples corresponding to 10 seed-potato production farms (infested area of 31.6 ha) and 7 nurseries (4.07 ha). Eradication measures are being taken in the infested areas. G. pallida was not found. G. rostochiensis: Present, found in several production sites (10 seed-potato production sites and 7 nurseries), under eradication. G. pallida: Absent, confirmed by survey.

#### Grapholita molesta

235 samples (pheromone traps) were collected from orchards and nurseries. G. molesta was found in 2 samples. Present, found in 2 samples.

#### Puccinia horiana (EPPO A2 list)

48 samples of chrysanthemums were taken from 37 cut-flower production sites and from 26 planting-material production sites. P. horiana was found in 9 cut-flower production sites with a total infected area of 4,470 m<sup>2</sup>. Present, found in 9 production sites of chrysanthemum cut flowers.

NPPO of Latvia, 2003-09. Source:

Additional key words: detailed records Computer codes: BEMITA, BNYVV0, BURSXY,

CORBSE, ERWIAM, HETDPA, HETDRO, LASPMO,

LIRIBO, PSDMSO, PUCCHN, THRIPL, LV

#### **2003/120** First report of Cacopsylla fulguralis in Italy

Cacopsylla fulguralis (Homoptera: Psyllidae – EPPO Alert List) is reported for the first time from Italy. At the end of April 2003, several plants of Elaeagnus x ebbingei severely damaged by a small psyllid were observed in the city of Mestre, near Venezia (Veneto region). The psyllid was identified as C. fulguralis. Further studies revealed its presence in a garden centre near Milano (Lombardia) on plants of E. ebbingei and E. pungens. These infested plants had been grown near Pistoia (Toscana). The authors felt that C. fulguralis is probably more widespread, at least in Northern Italy, than originally thought, and that this introduction is probably related to imports of ornamental plants from Asia.

**Source:** Süss, L.; Savoldelli, S. (2003) Rinvenimento di Cacopsylla fulguralis

(Kuwayama) (Homoptera Psyllidae) in Italia.

Bollettino di Zoologia Agraria e di Bachicoltura, Serie II, 35(1), 95-98.

Computer codes: CCPSFU, IT Additional key words: new record



#### <u>2003/121</u> First report of *Paysandisia archon* in United Kingdom

The palm borer, *Paysandisia archon* (Lepidoptera: Castniidae – EPPO Alert List) is reported for the first time from United Kingdom. In 2002, the pest has been found in a private garden on the coast of West Sussex.

Source: Department for Environment Food and Rural Affairs (DEFRA), UK,

Plant Health Web site.

What's New: Earlier news items.

http://www.defra.gov.uk/planth/oldnews.htm

Additional key words: new record Computer codes: PAYSAR, GB

#### <u>2003/122</u> First report of *Stephanitis takeyai* in Germany

In 2002, the occurrence of *Stephanitis takeyai* (EPPO Alert List) was recorded for the first time in Germany. The insect was found in a sample collected from *Pieris japonica* growing in a public park in Bremen. Further investigations on this site in June 2003 confirmed the infestation. In addition, *S. takeyai* was detected in a private garden in Bremen and on 2 container plants ordered by the BBA Institute for Plant Protection in Horticulture in spring 2003. In one case, the Netherlands was confirmed as the country of origin of one of the infested plants. As *S. takeyai* is most likely to be moved with trade of container plants, it is feared that it could more widespread in Germany than previously thought.

Source: Hommes, M.; Westhoff, J.; Melber, A. (2003) [First verification for the

Andromeda lacebug, Stephanitis takeyai Drake et Maa (Heteroptera: Tingidae)

for Germany.]

Nachrichtenblatt des Deutschen Pflanzenschutdienstes, 55(8), p 174-177.

Additional key words: new record Computer codes: STEPTA, DE



## <u>2003/123</u> <u>Chrysanthemum stem necrosis tospovirus eradicated from United Kingdom</u>

On the 2003-08-14, the NPPO of United Kingdom declared that the outbreak of *Chrysanthemum stem necrosis tospovirus* (EPPO Alert List) was eradicated. The virus had previously been found in November 2002 on a chrysanthemum flower crop in South-West England. Eradication was achieved through an intensive treatment programme against *Frankliniella occidentalis* which is the vector of the virus.

Source: Department for Environment Food and Rural Affairs (DEFRA), UK,

Plant Health Web site.

Chrysanthemum stem necrosis virus outbreak eradicated. http://www.defra.gov.uk/planth/newsitems/csnvnews.htm

Additional key words: eradication Computer codes: CSNV00, GB

## <u>EPPO report on notifications of non-compliance (detection of regulated pests)</u>

The EPPO Secretariat has gathered the notifications of non-compliance for 2002 received since the previous report (EPPO RS 2003/112) from the following countries: Algeria, Austria, Belgium, Denmark, France, Finland, Germany, Ireland, Israel, Italy, Lithuania, Netherlands, Poland, Portugal, Slovenia, Sweden, Switzerland, United Kingdom. When a consignment has been re-exported and the country of origin is unknown, the re-exporting country is indicated in brackets. When the occurrence of a pest in a given country is not known to the EPPO Secretariat, this is indicated by an asterisk (\*).

The EPPO Secretariat has selected notifications of non-compliance made because of the detection of regulated pests. Other notifications of non-compliance due to prohibited commodities, missing or invalid certificates are not indicated. It must be pointed out that the report is only partial, as many EPPO countries have not yet sent their notifications.

Pest	Consignment	Type of commodity	Country of origin	C. of destination	nb
Acari	Pyrus	Fruits	Argentina	Israel	1
Acaridae	Ficus	Plants for planting	Netherlands	France	1
Aleurodicus dispersus	Solidago hybrida	Cut flowers	Netherlands	France	1



Pest	Consignment	Type of commodity	Country of origin	C. of destination	nb
Ambrosia	Cucurbita pepo	Seeds	France	Israel	1
	Glycine max	Vegetables	USA	Israel	1
	Panicum miliaceum	Stored products	Hungary	Poland	1
	Panicum miliaceum	Stored products	Ukraine	Poland	2
	Zea mays	Stored products	Hungary	Poland	1
	Zea mays	Stored products	USA	Israel	2
	_	•			
Ambrosia artemisiifolia	Zea mays	Stored products	Hungary	Lithuania	6
Anarsia lineatella	Prunus persica	Fruits	Greece	Poland	1
Aphididae	Hypericum	Cut flowers	Israel	France	1
-	Mollucella	Cut flowers	South Africa	France	1
Apple proliferation phytoplasma	Malus	Plants for planting	Germany	France	1
Arachnidae, Diplopoda, Blattidae, Cydnidae, Ixodidae, Labiduridae, Curculionidae	Agave, Dasylirion, Fouquieriaceae, Pedilanthus, Yucca	Plants for planting	USA	France	1
Bagnalliella	Yucca	Cuttings	USA	United Kingdom	1
Bemisia tabaci	Aster	Cut flowers	Netherlands	United Kingdom	1
	Campsis	Plants for planting	Israel	United Kingdom	1
	Echinodorus paniculatus	Aquarium plants	Singapore	France	1
	Eryngium	Vegetables	Thailand	France	2
	Eryngium	Vegetables	Vietnam	France	2
	Eryngium foetidum	Vegetables	Thailand	Denmark	1
	Eryngium foetidum	Vegetables	Thailand	Ireland	2
	Eryngium foetidum	Vegetables	Vietnam	France	1
	Euphorbia pulcherrima	Plants for planting	(United Kingdom)	Ireland	1
	Euphorbia pulcherrima	Plants for planting	Germany	Finland	4
	Euphorbia pulcherrima	Plants for planting	Germany	Ireland	1
	Euphorbia pulcherrima	Cuttings	Germany	United Kingdom	3
	Euphorbia pulcherrima	Pot plants	Morocco	United Kingdom	1
	Euphorbia pulcherrima	Plants for planting	Netherlands	United Kingdom	1
	Euphorbia pulcherrima	Cuttings	Netherlands	United Kingdom	2
	Euphorbia pulcherrima	Pot plants	Netherlands	United Kingdom	2
	Euphorbia pulcherrima	Cuttings Cuttings	Netherlands	United Kingdom	5 2
	Euphorbia pulcherrima	e e	Portugal Netherlands	United Kingdom United Kingdom	
	Ficus benjamina	Pot plants Cut flowers	Spain	United Kingdom	1 1
	Gypsophila Hibiscus	Plants for planting	Netherlands	France	2
	Hibiscus Hibiscus	Pot plants	Netherlands	Lithuania	1
	Hibiscus	Pot plants	Netherlands	United Kingdom	3
	Hygrophila angustifolia	Aquarium plants	Indonesia	France	1
	Limnophila	Aquarium plants	Thailand	France	2
	Limnophila	Aquarium plants	Vietnam	France	1
	Limnophila aromatica	Aquarium plants	Vietnam	France	1
	Mandevilla	Cuttings	Israel	Netherlands	1
	Mentha	Vegetables	Israel	France	2
	Myrtus	Plants for planting	Israel	Netherlands	1
	Ocimum basilicum	Vegetables	Israel	France	3
	Ocimum basilicum	Vegetables	Israel	Netherlands	1



Pest	Consignment	Type of commodity	Country of origin	C. of destination	nb
B. tabaci (cont.)	Origanum vulgare Origanum vulgare Piper sarmentosum Piper sarmentosum Rosa Salvia Solidago hybrida Solidago hybrida Solidago hybrida Solidago hybrida	Vegetables Cuttings Vegetables Vegetables Plants for planting Cuttings Cut flowers Cut flowers Cut flowers Cut flowers	Israel Israel Thailand Thailand Netherlands Israel Israel Israel Netherlands Spain	France United Kingdom France Ireland United Kingdom United Kingdom Netherlands United Kingdom United Kingdom United Kingdom United Kingdom United Kingdom	1 1 1 1 1 1 1 9 2
Bemisia tabaci, Leveillula taurica	Euphorbia pulcherrima	Pot plants	Netherlands	United Kingdom	1
Bemisia tabaci, Spoladea recurvalis	Amaranthus, Solanum	Vegetables	Sierra Leone	United Kingdom	1
Cadra cautella	Theobroma cacao	Stored products	Netherlands	Poland	1
Carnation etched ring caulimovirus, Carnation mottle carmovirus, Fusarium oxysporum	Dianthus caryophyllus	Cuttings	Kenya	Israel	1
Chlorophorus annularis	Bambusa	Canes	China	United Kingdom	1
Cirsium arvense	Daucus carota	Seeds	Netherlands	Israel	1
Clavibacter michiganensis subsp. michiganensis	Lycopersicon esculentum	Seeds	Thailand*	France	1
Claviceps purpurea	Secale cereale	Stored products	Russia	Israel	1
Cochliobolus carbonum	Zea mays	Seeds	Italy	Israel	1
Colletotrichum acutatum	Fragaria ananassa Fragaria ananassa Fragaria ananassa Fragaria ananassa	Plants for planting Plants for planting Plants for planting Plants for planting	Chile Italy Netherlands Netherlands	France Slovenia Finland Slovenia	1 1 1 1
Criconematidae	Cycas revoluta	Plants for planting	Vietnam	France	1
Cuscuta	Corchorus olitorius Guizotia abyssinica	Seeds Stored products	Egypt Ethiopia	Israel Israel	1 1
Diabrotica speciosa	Malus pumila	Fruits	Brazil	France	1
Erysiphe euphorbiicola	Euphorbia pulcherrima	Plants for planting	Portugal	United Kingdom	1
Frankliniella occidentalis	Alstroemeria Dendranthema Dianthus Gypsophila Helianthus Rosa	Cut flowers	Netherlands Netherlands Netherlands Netherlands Netherlands Netherlands	Lithuania Lithuania Lithuania Lithuania Lithuania Lithuania	2 2 5 2 1 2



Pest	Consignment	Type of commodity	Country of origin	C. of destination	nb
Fusarium	Lycopersicon esculentum	Seeds	Thailand	Israel	1
Globodera	Solanum tuberosum	Ware potatoes	Italy	Ireland	1
Guignardia citricarpa	Citrus limon	Fruits	South Africa	Netherlands	1
Helicotylenchus	Butia capitata Schefflera	Plants for planting Plants for planting	Argentina Côte d'Ivoire	France France	1 3
Helicotylenchus, Criconematidae	Cycas revoluta	Plants for planting	Argentina	France	1
Helicoverpa armigera	Dianthus Gypsophila Phaseolus vulgaris Phaseolus vulgaris Pisum sativum Pisum sativum Rosa	Cut flowers Cut flowers Vegetables Vegetables Vegetables Vegetables Cut flowers	Morocco Israel Egypt Senegal Kenya Zambia Kenya	Netherlands Netherlands Netherlands Netherlands Netherlands Netherlands	1 1 1 1 6 2 1
Helicoverpa armigera, Liriomyza huidobrensis	Pisum sativum	Vegetables	Kenya	Netherlands	1
Helicoverpa zea	Pisum sativum	Vegetables	Guatemala	Netherlands	1
Heteroptera	Corylus	Cut flowers	Netherlands	France	1
Hirschmaniella	Vallisneria Vallisneria Vallisneria	Aquarium plants Aquarium plants Aquarium plants	Indonesia Singapore Thailand	France France France	2 8 1
Hirschmaniella mucronata	Cycas revoluta	Plants for planting	Vietnam	France	1
Hymenoptera	Protea	Cut flowers	South Africa	France	1
Lepidoptera	Dianthus caryophyllus Myrtaceae Salix	Cut flowers Plants for planting Cut branches	Kenya Israel South Africa	France France France	1 1 1
Lepidosaphes	Calathea	Cut branches	Mauritius	France	1
Leptinotarsa decemlineata	Allium cepa Ammonium nitrate Raphanus sativus	Vegetables Fertilizers Vegetables	Germany Lithuania Germany	Sweden United Kingdom United Kingdom	1 1 1
Liriomyza	Artemisia dracunculus Dendranthema Ocimum basilicum	Cut flowers Cut flowers Vegetables	Israel Colombia Thailand	France France Denmark	1 3 1
Liriomyza huidobrensis	Allium cepa Argyranthemum frutescens Exacum affine Gypsophila Gypsophila Gypsophila	Vegetables Cuttings Pot plants Cut flowers Cut flowers Cut flowers	USA Germany Belgium Ecuador Israel Kenya*	United Kingdom Finland United Kingdom Netherlands Ireland Netherlands	1 1 1 1 1



Pest	Consignment	Type of commodity	Country of origin	C. of destination	nb
L. huidobrensis (cont.)	Gypsophila Pisum sativum Pisum sativum	Cut flowers Vegetables Vegetables	Netherlands Kenya* Zambia*	Ireland Netherlands United Kingdom	2 9 1
	Primula elatior Trachelium	Plants for planting Cut flowers	Netherlands South Africa	United Kingdom Netherlands	1 1
Liriomyza trifolii	Gypsophila	Cut flowers	Israel	Netherlands	1
Meloidogyne	Araceae Pothos	Plants for planting Plants for planting	Togo Côte d'Ivoire	France France	1 1
	Schefflera	Plants for planting	Côte d'Ivoire	France	1
	Syngonium	Plants for planting	Côte d'Ivoire	France	1
Nematoda	Schefflera	Plants for planting	Côte d'Ivoire	France	1
Noctuidae	Dianthus caryophyllus	Cut flowers	Kenya	France	1
Opogona sacchari	Dracaena marginata	Plants for planting	Costa Rica	Netherlands	1
Pepino mosaic potexvirus	Lycopersicon esculentum	Seeds	Chile*	France	5
	Lycopersicon esculentum	Vegetables	Netherlands	Sweden	1
	Lycopersicon esculentum	Seeds	Netherlands	United Kingdom	1
	Lycopersicon esculentum	Vegetables	Netherlands	United Kingdom	1
	Lycopersicon esculentum	Vegetables	Spain	United Kingdom	4
Phytophthora ramorum	Rhododendron	Pot plants	Belgium	Ireland	1
	Rhododendron	Pot plants	France	United Kingdom	1
	Rhododendron	Pot plants	Netherlands	Ireland	4
	Rhododendron catawbiense	Plants for planting	Germany	Sweden	1
	Rhododendron catawbiense	Plants for planting	Netherlands	Sweden	1
	Rhododendron ponticum	Pot plants	Netherlands	Ireland	1
	Viburnum bodnantense	Pot plants	Italy*	United Kingdom	1
	Viburnum bodnantense	Pot plants	Netherlands	United Kingdom	4
	Viburnum tinus	Pot plants	Netherlands	United Kingdom	1
Plutella xylostella, Trialeurodes vaporariorum, Thrips	Brassica oleracea convar. acephala	Vegetables	Spain	France	1
Polygonum convolvulus	Avena sativa	Stored products	Ukraine	Israel	1
	Hordeum vulgare	Stored products	Russia	Israel	2
	Raphanus sativus	Seeds	Denmark	Israel	1
	Raphanus sativus	Seeds	Italy	Israel	1
	Secale cereale	Stored products	Russia	Israel	1
	Triticum	Stored products	Ukraine	Israel	1
Pseudococcidae	Calathea	Cut branches	Mauritius	France	1
	Pyrus	Vegetables	Argentina	Israel	1
Pseudomonas pisi	Pisum sativum	Seeds	New Zealand	Israel	1
Rastrococcus iceryoides	Croton	Aquarium plants	Singapore	United Kingdom	1
Rhizopertha dominica	Hordeum vulgare	Stored products	Czech Republic	Poland	1
	Hordeum vulgare	Stored products	Slovakia	Poland	1
	Triticum aestivum	Stored products	Czech Republic	Poland	1
	Zea mays	Stored products	Czech Republic	Poland	1



Consignment	Type of commodity	Country of origin	C. of destination	nb
Cycas revoluta	Plants for planting	Vietnam	France	1
Eruca sativa	Seeds	Italy	Israel	1
Schefflera arboricola, Sanseviera trifasciata, Ficus benjamina, F. stricta, Bambusa, Zamia furfuracea	Plants for planting	Côte d'Ivoire	France	1
Hordeum vulgare Triticum	Stored products Stored products	Czech Republic Czech Republic	Poland Poland	1 2
Triticum aestivum	Stored products	Slovakia	Poland	1
Zea mays Zea mays	Stored products Stored products	Czech Republic Slovakia	Poland Poland	1 1
Zea mays	Stored products	Czech Republic	Poland	1
Fragaria	Plants for planting	USA	Israel	1
Dendrobium	Plants for planting	Thailand	Netherlands	1
Amaranthus	Vegetables	Gambia	United Kingdom	1
Coriandrum sativum	Seeds	Egypt	Algeria	1
Zea mays	Seeds	Spain	Israel	1
Pyracantha	Pot plants	Italy	United Kingdom	1
Protea	Cut flowers	South Africa	United Kingdom	1
Protea	Cut flowers	South Africa	United Kingdom	1
Dianthus	Cut flowers	Kenya	France	2
Solidago hybrida Solidago hybrida	Cut flowers Cut flowers	Netherlands South Africa	France France	1 1
Alstroemeria Amaranthus Asparagus officinalis Campanula Cynara scolymus Dendranthema Dianthus Gypsophila Gypsophila Iris Iris Ornamentals Ranunculus Ranunculus	Cut flowers Cut flowers Vegetables Cut flowers Vegetables Cut flowers	Netherlands Netherlands Spain Netherlands Spain South Africa Netherlands Kenya Netherlands Netherlands Netherlands South Africa South Africa South Africa South Africa	France	1 1 1 1 3 1 1 1 2 1 1 2 1
	Eruca sativa  Eruca sativa  Schefflera arboricola, Sanseviera trifasciata, Ficus benjamina, F. stricta, Bambusa, Zamia furfuracea  Hordeum vulgare Triticum Triticum aestivum  Zea mays Zea mays  Fragaria  Dendrobium  Amaranthus  Coriandrum sativum  Zea mays  Pyracantha  Protea  Protea  Dianthus Solidago hybrida Solidago hybrida Solidago hybrida Alstroemeria Amaranthus Campanula Cynara scolymus Dendranthema Dianthus Gypsophila Iris Iris Ornamentals Ranunculus	Cycas revolutaPlants for plantingEruca sativaSeedsSchefflera arboricola, Sanseviera trifasciata, Ficus benjamina, F. stricta, Bambusa, Zamia furfuraceaPlants for plantingHordeum vulgare Triticum Triticum aestivumStored productsZea mays Zea maysStored productsZea maysStored productsZea maysStored productsZea maysStored productsFragariaPlants for plantingDendrobiumPlants for plantingAmaranthusVegetablesCoriandrum sativumSeedsZea maysSeedsPyracanthaPot plantsProteaCut flowersDianthus Solidago hybrida Solidago hybrida Solidago hybrida Cut flowersCut flowersAlstroemeria Amaranthus Asparagus officinalis Cynara scolymus Dendranthema Dianthus Cypasophila Iris Cut flowersCut flowers Cut flowers Cut flowers Cut flowersDianthus Cypsophila Iris Cut flowers Cut flowers	Cycas revoluta         Plants for planting         Vietnam           Eruca sativa         Seeds         Italy           Schefflera arboricola, Sanseviera trifasciata, Ficus benjamina, F. stricta, Bambusa, Zamia furfuracea         Plants for planting         Côte d'Ivoire           Hordeum vulgare Triticum         Stored products         Czech Republic         Czech Republic           Triticum aestivum         Stored products         Slovakia           Zea mays         Stored products         Czech Republic           Zea mays         Stored products         Czech Republic           Fragaria         Plants for planting         USA           Dendrobium         Plants for planting         Thailand           Amaranthus         Vegetables         Gambia           Coriandrum sativum         Seeds         Egypt           Zea mays         Seeds         Spain           Pyracantha         Pot plants         Italy           Protea         Cut flowers         South Africa           Dianthus         Cut flowers         Netherlands           Solidago hybrida         Cut flowers         Netherlands           Solidago hybrida         Cut flowers         Netherlands           Vegetables         Spain         Netherlands	Cycas revoluta         Plants for planting         Vietnam         France           Eruca sativa         Seeds         Italy         Israel           Schefflera arboricola, Sanseviera trifasciata, Ficus benjamina, F. stricta, Bambusa, Zamia furfuracea         Plants for planting         Côte d'Ivoire         France           Hordeum vulgare Triticum         Stored products         Czech Republic Poland         Poland           Triticum         Stored products         Slovakia         Poland           Zea mays         Stored products         Slovakia         Poland           Zea mays         Stored products         Czech Republic Poland         Poland           Zea mays         Stored products         Czech Republic Poland         Poland           Zea mays         Stored products         Czech Republic Poland         Poland           Fragaria         Plants for planting USA         Israel           Dendrobium         Plants for planting Thailand         Netherlands           Amaranthus         Vegetables         Gambia         United Kingdom           Coriandrum sativum         Seeds         Spain         Israel           Pyracantha         Pot plants         Italy         United Kingdom           Protea         Cut flowers         South Africa



Pest	Consignment	Type of commodity	Country of origin	C. of destination	nb
Thrips palmi	Dendrobium Dendrobium	Cut flowers Cut flowers	Malaysia Singapore	Netherlands Netherlands	1 1
	Orchidaceae	Cut flowers	Thailand	Netherlands	1
	Solanum melongena	Vegetables	Dominican Rep.	Netherlands	4
	Solanum melongena	Vegetables	Ghana*	Netherlands	1
Thysanoptera	Solanum melongena	Vegetables	Thailand	France	2
Trialeurodes	Ornamentals	Cut flowers	Netherlands	France	1
Trialeurodes vaporariorum	Solidago hybrida	Cut flowers	Kenya	France	2
Tribolium	Hordeum vulgare	Stored products	Slovakia	Poland	4
	Triticum	Stored products	Czech Republic	Poland	2
	Zea mays	Stored products	Czech Republic	Poland	4
	Zea mays	Stored products	Hungary	Poland	1
	Zea mays	Stored products	Slovakia	Poland	1
Trogoderma granarium, Tribolium	Secale cereale	Stored products	Belarus	Poland	1
Trophorus	Butia capitata	Plants for planting	Brazil	France	1
	Strelitzia reginae	Plants for planting	Brazil	France	1
Tylenchorhynchus	Arecastrum	Plants for planting	Thailand	France	1
	Arecastrum, Phoenix sylvestris	Plants for planting	Thailand	France	1
	Bambusa aurea, Phoenix sylvestris	Plants for planting	Thailand	France	1
	Phoenix sylvestris, Woodsia	Plants for planting	Thailand	France	1
Tylenchus	Cycas revoluta	Plants for planting	Brazil	France	1
	Phoenix roebellini	Plants for planting	Brazil	France	1
Weed seeds	Cocus nucifera	Growing medium	Sri Lanka	Israel	8
Xanthomonas axonopodis	Citrus limon	Fruits	Argentina	France	1
Xanthomonas sp.	Brassica oleracea convar. botrytis	Seeds	Japan	Israel	1

#### • Fruit flies

Pest	Consignment	Country of origin	C. of destination	nb
Bactrocera cucurbitae	Luffa	Ghana*	Netherlands	1
Bactrocera dorsalis	Mangifera indica	Thailand	France	1
Ceratitis rosa	Mangifera indica	Cameroon*	France	1
Non-European Tephritidae	Annona squamosa Capsicum frutescens Capsicum frutescens Capsicum frutescens	Vietnam Mauritius Thailand Vietnam	France France France France	1 1 16 1



Pest	Consignment	Country of origin	C. of destination	nb
Pest Non-European Tephritidae (cont)	Mangifera indica Momordica charantia	Burkina Faso Cameroon Côte d'Ivoire Dominica Dominican Rep. Israel Kenya Mali Pakistan Pakistan Thailand Venezuela Thailand	France France France France France France France France France Netherlands France	nb  1 5 3 1 1 1 1 1 4 1 3 8 1 2
	Psidium guajava Psidium guajava Syzygium jambos Syzygium samarangense Syzygium samarangense Ziziphus	India Thailand Thailand Thailand Vietnam Thailand	France France France France France France	1 3 2 2 1 1

#### • Wood

Pest	Consignment	Type of commodity	Country of origin	C. of destination	nb
Anoplophora glabripennis	Hardwood	Packing wood	China	Germany	4
Bursaphelenchus xylophilus	Pinus, Picea	Packing wood	Canada	Sweden	1
Cerambycidae	Coniferae and hardwood	Packing wood	China	Germany	2
Cerambycidae, grub holes > 3 mm	Hardwood	Packing wood	China	Germany	1
Grub holes > 3 mm	Coniferae and hardwood Hardwood Hardwood <i>Larix sibirica</i> Unspecified Unspecified	Packing wood Packing wood Wood and bark Packing wood Packing wood	China China India Russia China China	Germany Germany Austria Belgium Germany	1 6 1 1 1
Monochamus alternatus	Coniferae	Packing wood	China	Germany	1
Non-European Scolytidae	Larix sibirica	Wood	Russia	Poland	1
Popillia japonica	Hardwood	Packing wood	China	Germany	1
Sinoxylon conigerum	Pinus	Wood and bark	India	United Kingdom	1



#### Bonsais

Pest	Consignment	Country of origin	C. of destination	nb
Criconematidae, Meloidogyne	Lagerstroemia	China	France	2
Criconematidae, Xiphinema	Ulmus parvifolia	China	France	1
Helicotylenchus	Crassula Ligustrum Serissa Zelkova	China China China China	France France France France	1 1 1
Helicotylenchus, Tylenchorhynchus	Podocarpus	China	France	1
Meloidogyne	Ficus	China	France	1
Nematoda	Ficus macrocarpa, Ficus	China	France	1
Rhizoecus hibisci, Helicotylenchus dihystera	Serissa	China	United Kingdom	1
Stegophora ulmea	Zelkova	China	United Kingdom	1
Tylenchorhynchus	Rhododendron	China	France	1
Tylenchorhynchus, Xiphinema	Loropetalum	China	France	1
Xiphinema americanum	Enkianthus perulatus, Enkianthus sp.	Japan	France	1
	Ilex crenata, Ilex sp.	Japan	France	1

Source: EPPO Secretariat, 2003-09.

### 2003/125 2<sup>nd</sup> European Whitefly Symposium

The  $2^{nd}$  European Whitefly Symposium will take place in Cavtat (HR) on 2004-10-05/09. The main topics will be:

- Faunistics, systematics and ecology
- Whitefly-transmitted viruses and epidemiology
- Whitefly natural enemies
- Whitefly control and IPM



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Source: EPPO Secretariat, 2003-08.

Additional key words: conference

#### 2003/126 New version of PQR

PQR is the EPPO database on geographical distribution and host plants of quarantine pests, and a new version (version 4.2) has just been released.

Compared to the previous version, the data has been updated in accordance with the EPPO Reporting Service and new CABI maps published until 2003-05. Further information has been added on pests of the EPPO Alert List, and on invasive species. In particular, PQR version 4.2 has been restructured to contain information on invasive plants. The present data set is preliminary. Information is available only on the plant species, and on the countries for which they are said to be invasive (taken from the literature). The invasive plants appear only in the full pest data set, and are listed in green. In line with EPPO's developing programme on invasive species, it is planned to add data on degree of invasiveness, geographical distribution, and official concern or regulation. Some invasive species may also, already, be quarantine pests in PQR.

PQR is provided on a CD-Rom for single users. It runs under Microsoft Windows and once installed, it occupies about 50 Mb.

PQR version 4.2 can be ordered from the EPPO Secretariat at a price of 100 EUR.

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Source: EPPO Secretariat, 2003-09.