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CONTENTS

99/135	- New data on quarantine pests
99/136	- Modifications of the Lists of Quarantine Pests for the Russian Federation
99/137	- First report of citrus tristeza closterovirus in Albania
99/138	- 1998 surveys on <u>Clavibacter michiganensis</u> subsp. <u>sepedonicus</u> and <u>Ralstonia solanacearum</u> in Slovakia
99/139	- Surveys on plum pox potyvirus in Chile
99/140	- <u>Bactrocera dorsalis</u> eradicated from Mauritius
99/141	- Details on the situation of <u>Bactrocera dorsalis</u> , <u>Dendroctonus frontalis</u> and <u>Toxoptera citricida</u> in Florida (US)
99/142	- Attacks of <i>Spodoptera littoralis</i> on aquarium plants
99/143	- Further studies on cucurbit yellow stunting disorder closterovirus in Spain
99/144	- Situation of pear decline phytoplasma in Southern Italy
99/145	- Membership status for FAO, IPPC, WTO
99/146	- EPPO report on selected intercepted consignments
99/147	- COSAVE now has a Web Site
99/148	- Training course for plant protection inspectors in UK: cancelled

<u>New data on quarantine pests</u>

By browsing through the literature, the EPPO Secretariat has extracted the following new data concerning quarantine pests.

• New geographical records

Citrus blight disease (EU Annexes) is reported to occur in Belize (blight-affected trees grafted on sour orange rootstock), in Costa Rica (on Carrizo citrange rootstock) and Guatemala (on Rangpur (*Citrus limonia*) rootstock). Review of Plant Pathology, 78(7), p 643 (4884).

<u>Colletotrichum acutatum</u> (EU Annex II/A2) is reported as causing strawberry anthracnose in Huelva, in Spain. This had previously been reported but was not confirmed. Review of Plant Pathology, 78(7), p 640 (4865).

<u>Liriomyza trifolii</u> (EPPO A2 quarantine pest) is present in Oman. Review of Agricultural Entomology, 87(9), p 1165 (8733).

<u>Mycosphaerella dearnessii</u> (EPPO A2 quarantine pest) is reported as a new disease of pines in Austria. It was observed in 1996 on <u>Pinus mugo</u>. Review of Plant Pathology, 78(8), p 764 (5797).

<u>Mycosphaerella dearnessii</u> (EPPO A2 quarantine pest) is reported for the first time from Japan. It was found on ornamental <u>Pinus thunbergii</u> in Shimane Prefecture (Honshu). Review of Plant Pathology, 78(7), p 654 (4974).

<u>Mycosphaerella pini</u> (EU Annexes) was observed on <u>Pinus nigra</u> for the fist time in Poland, during investigations carried out in the Miech★w Forest District (20 km north of Krak★w) in May 1990. Review of Plant Pathology, 78(7), p 654 (4971).

<u>Neoaliturus haematoceps</u>, vector of <u>Spiroplasma citri</u> (EU Annexes), occurs in Tunisia. Review of Agricultural Entomology, 87(7), p 894 (6712).

Sinaloa tomato leaf curl begomovirus is reported for the first time in Costa Rica. In October 1998, symptoms were commonly observed in tomato plantings near Turrialba. Review of Plant Pathology, 78(7), p 630 (4785).

Tomato yellow leaf curl begomovirus (EPPO A2 quarantine pest) is reported for the first time in Réunion (FR). Symptoms were first observed in tomato crops in September 1997, on a farm located on the south coast of the island. A preliminary survey was carried out from December 1997 to April 1998 in both outdoor and protected tomato crops. All infected samples were collected on the leeward coast. Review of Plant Pathology, 78(7), p 630 (4784).

• Detailed records

In Japan, chrysanthemum stunt viroid (EPPO A2 quarantine pest) was isolated from field grown chrysanthemums in Sagae, Yamagata Prefecture (Honshu). Review of Plant Pathology, 78(7), p 656 (4996).

Grapevine bois noir phytoplasma was observed in summer 1998 in some vineyards of Chardonnay planted in 1991, in 2 areas of Molise region, Italy. Review of Plant Pathology, 78(7), p 642 (4877).

Monilinia fructicola (EPPO A1 quarantine pest) is frequently found in peach-growing areas in central Taiwan. Review of Plant Pathology, 78(8), p 745 (5660).

<u>Liriomyza sativae</u> (EPPO A1 quarantine pest) occurs on vegetable crops in Guangdong Province, China. Review of Agricultural Entomology, 87(9), p 1149 (8613).

<u>Stenocarpella maydis</u> (EPPO A2 quarantine pest) is one of the main fungi isolated from infected maize kernels in Santa Catarina, Brazil. Review of Plant Pathology, 78(8), p 710 (5405).

Tomato spotted wilt tospovirus (EPPO A2 quarantine pest) is present in Haryana, India, affecting peanut crops. Review of Plant Pathology, 78(7), p 647 (4914)

In Japan, tomato yellow leaf curl begomovirus (EPPO A2 quarantine pest) is reported on tomato crops in Shizuoka and Aichi prefectures (Honshu). Review of Plant Pathology, 78(7), p 630 (4787).

<u>Xanthomonas vesicatoria</u> was found in association with tomato spotted wilt tospovirus (both EPPO A2 quarantine pests) on tomatoes in the states of Bahia and Pernambuco, Brazil. Review of Plant Pathology, 78(8), p 728 (5537).

Source: EPPO Secretariat, 1999-06.

Review of Agricultural Entomology, 87(7 to 9). July to September 1999. Review of Plant Pathology, 78(7 to 9). July to September 1999.

Additional key words: new records, detailed records

Computer codes: CHSXXX, COLLAC, CSBXXX, DIPMA, GVBNXX, LIRISA, LIRITR, MONIFC, NEOAHA, SCIRAC, SCIRPI, TMSWXX, TMYLCX, XANTVE, AT, BR, BZ, CN, CR, ES, GT, IN, IT, JP, OM, PL, RE, TN, TW

<u>Modifications of the Lists of Quarantine Pests for the Russian</u> Federation

Numerous additions and deletions have been made to the lists of quarantine pests for the Russian Federation, and also transfers between Lists 1–3. Additions are in bold.

1. List of quarantine pests not recorded on the territory of the Russian Federation (A1 Pests)

Animals

Anoplophora glabripennis

Bursaphelenchus xylophilus

Callosobruchus analis (replaces Callosobruchus spp.)

Callosobruchus maculatus (replaces Callosobruchus spp.)

Callosobruchus phaseoli (replaces Callosobruchus spp.)

Ceratitis capitata

Conotrachelus nenuphar

Diabrotica virgifera virgifera

Epitris cucumeris

Epitrix tuberis

Globodera pallida

Liriomyza ĥuidobrensis

Liriomyza sativae

Liriomyza trifolii

Meloidogyne chitwoodi

Popillia japonica (transferred from List 2)

Premnotrypes spp. (Andean)

Pseudaulacaspis pentagona

Rhagoletis pomonella

Spodoptera littoralis

Spodoptera litura (transferred from List 2)

Thrips palmi (transferred from List 3)

Trogođerma granarium

(Deleted: Bruchidius incarnatus, Caryedon pallidus, Caulophilus latinasus, Dinoderus bifoveolatus, Sinoxylon spp., Zabrotes subfasciatus)

Fungi

Atropellis pinicola

Atropellis piniphila

Ceratocystis fagacearum

Didymella ligulicola

Phymatotrichopsis omnivora

Stenocarpella macrospora (transferred from List 3)

Stenocarpella maydis

Thecaphora solani

Tilletia (=Neovossia) indica

(Deleted: Diaporthe phaseolorum var.caulivora)

<u>Bacteria</u>

Erwinia amylovora

Pantoea stewartii subsp. stewartii

Xanthomonas oryzae pv. oryzae

Xanthomonas oryzae pv. oryzicola

Xylophilus ampelinus (transferred from List 3)

(Deleted: Clavibacter tritici)

Viruses

Cherry rasp leaf nepovirus (transferred from List 3)
Grapevine flavescence dorée phytoplasma
Peach latent mosaic viroid (= American peach mosaic virus)
Peach rosette mosaic nepovirus
Potato Andean latent tymovirus (transferred from List 3)
Potato Andean mottle comovirus (transferred from List 3)
Potato T trichovirus (transferred from List 3)
Potato yellowing alfamovirus

(Deleted: American plum line pattern ilarvirus).

Weeds

Bidens pilosa (transferred from List 3)
Cenchrus pauciflorus
Helianthus californicus
Helianthus ciliaris
Ipomoea hederacea (transferred from List 3)
Ipomoea lacunosa (transferred from List 3)
Iva axillaris
Solanum carolinense
Solanum elaeagnifolium
Striga spp.

2. List of quarantine pests of limited distribution on the territory of the Russian Federation (A2 Pests)

Animals

Bemisia tabaci (transferred from List 3)
Carposina niponensis
Frankliniella occidentalis (transferred from List 3)
Globodera rostochiensis
Grapholita molesta
Hyphantria cunea
Lymantria dispar (Asian)
Phthorimaea operculella
Quadraspidiotus perniciosus
Viteus vitifoliae

(Deleted: Agrilus mali, Numonia pirivorella)

<u>Fungi</u>

Cochliobolus heterostrophus (race T) Diaporthe helianthi **Phytophthora fragariae** Synchytrium endobioticum

Bacteria

Ralstonia solanacearum

<u>Viruses</u>

Plum pox potyvirus

Weeds

Acroptilon repens Ambrosia artemisiifolia Ambrosia trifida Ambrosia psilostachya Cuscuta spp. Solanum rostratum Solanum triflorum

3. List of guarantine pests potentially dangerous for the Russian Federation *

Animals

Pantomorus godmani Trogoderma angustum Trogoderma longisetosum Trogoderma ornatum Trogoderma simplex Trogoderma sternale

<u>Fungi</u>

Cercospora kikuchii Eutypa lata Phoma andina Phomopsis viticola Physalospora zeicola (Diplodia frumenti)

Viruses

Peach yellows phytoplasma Potato T capillovirus Potato vein yellowing disease (=virus) Strawberry latent C disease Strawberry witches' broom phytoplasma Potato black ringspot nepovirus Wild potato mosaic virus (?)

Weeds

Anoda cristata Diodia terres Euphorbia dentata Oenothera laciniata Polygonum pensylvanicum Sicyos angulata Sida spinosa

Source: EPPO Secretariat, 1999-08

Additional key words: quarantine lists Computer codes: RU

^{*} These pests have been identified as potentially dangerous and are currently under evaluation for addition to the A1 or A2 lists

<u>99/137</u> First report of citrus tristeza closterovirus in Albania

A survey was carried out for the presence of citrus tristeza closterovirus (EPPO A2 quarantine pest) in the main citrus-growing areas of Albania. A total of 543 samples was collected from individual trees (481 from commercial groves and 62 from the varietal collection of the Research Institute of Pomology of Vlora) and tested (DAS-ELISA, confirmation by indexing on Mexican lime seedlings). As a result 19 samples were found infected by citrus tristeza closterovirus. Infected trees from commercial groves were satsumas (*Citrus unshiu*) and sweet oranges (*C. sinensis*). In the varietal collection, CTV was found in a single tree of orange cv. Navel and satsuma, 3 lemons cv. Meyer (*C. limon*) and 2 citrons cv. Diamante (*C. medica*). Infected trees were scatted in the orchards and none of them showed decline symptoms. The authors noted that urgent eradication measures are needed. This is the first report of citrus tristeza closterovirus in Albania.

Source: Stamo, B.; D'Onghia, A.M.; Savino, V. (1999) First record of citrus tristeza

closterovirus in Albania.

Journal of Plant Pathology, 81(1), p 63.

Additional key words: new record Computer codes: CSTXXX, AL

<u>99/138</u> 1998 surveys on *Clavibacter michiganensis* subsp. *sepedonicus* and *Ralstonia solanacearum* in Slovakia

Surveys have been carried out in Slovakia on seed and ware potatoes harvested in 1998 for the presence of <u>Clavibacter michiganensis</u> subsp. <u>sepedonicus</u> and <u>Ralstonia solanacearum</u> (both EPPO A2 quarantine pests).

During these surveys, tests were performed according to relevant EU Directives on all multiplication fields of seed potatoes intended for seed or ware potato production (1241 samples), and on all seed potatoes which were subjected to national variety testing (108 samples). In addition, systematic checks were done on imported seed potatoes (202 samples) and random checks on imported ware potatoes (431 samples).

Results showed that in 1998 **no** infection by <u>Clavibacter michiganensis</u> subsp. <u>sepedonicus</u> or <u>Ralstonia solanacearum</u> was detected in seed or ware potatoes grown in Slovakia. Only one positive case of <u>Clavibacter michiganensis</u> subsp. <u>sepedonicus</u> was detected in a consignment of imported ware potatoes. This consignment was rejected at the border and not allowed to enter on the territory of Slovakia.

Source: NPPO of Slovakia, 1999-07.

Additional key words: absence, survey

Computer codes: CORBSE, PSDMSO, SK

<u>99/139</u> Surveys on plum pox potyvirus in Chile

In December 1992, symptoms of plum pox potyvirus (PPV - EPPO A2 quarantine pest) were detected for the first time in Chile on apricot and peach at the experimental station of INIA (Los Tilos) and in 2 nurseries in the Metropolitan region on peaches and nectarines. At that time all infected plants were destroyed and the virus was no longer found (EPPO RS 94/145). Surveys were then conducted in Chile during the 1995/96, 1996/97 and 1997/98 growing seasons on peaches, apricots, plums and nectarines grown in the main stonefruit-growing areas (Santiago Metropolitan region, north part: regions III and IV, and south part: regions V and VI). In total, 10,051 samples were collected and tested (ELISA, PCR). Results showed that 15.2 % samples were infected by PPV, and that the virus was present in all stonefruit-growing areas of Chile. Infection rates were respectively 15.3 %, 17.2%, 8.3%, 1.9% for peaches, nectarines, plums and apricots. Infection rates varied between regions, but significant symptoms of PPV were only seen in the Metropolitan region. The molecular characterization of the Chilean isolates showed that they belong to the PPV-D (Dideron) type.

Source:

Herrera, G.; Sepúlveda, P.; Madariaga, M. (1998) Survey of sharka disease (plum pox virus) on stone fruit trees in Chile.

(plum pox virus) on stone truit trees in C

Acta Horticulturae, 472, 393-399.

Rosales, M.; Hinrichsen, P.; Herrera, G. (1998) Molecular characterization of

plum pox virus isolated from apricots, plums and peaches in Chile.

Acta Horticulturae, 472, 401-411.

Additional key words: detailed record Computer codes: PLPXXX, CL

99/140 Bactrocera dorsalis eradicated from Mauritius

The EPPO Secretariat has recently been informed by the Ministry of Agriculture, Food Technology and Natural Resources of the Republic of Mauritius that <u>Bactrocera dorsalis</u> (EPPO A1 quarantine pest) has now been eradicated from Mauritius (with effect from 1999-07-01). <u>B. dorsalis</u> was accidentally introduced into Mauritius in June 1996. An intensive campaign had immediately been set up to prevent any further spread and to eradicate it. Evidence from monitoring data indicates that <u>B. dorsalis</u> has effectively been eradicated. More than two years have elapsed since the pest was last detected from traps and collected fruits.

Source: Embassy of the Republic of Mauritius in Paris, 1999-08.

Additional key words: eradication Computer codes: DACUDO, MU

<u>99/141</u> Details on the situation of *Bactrocera dorsalis*, *Dendroctonus frontalis* and *Toxoptera citricida* in Florida (US)

Bactrocera dorsalis (EPPO A1 quarantine pest)

<u>B. dorsalis</u> has repeatedly been found in Florida (US) during the last few months. So far, the last trapping record was made in June 1995, as 3 flies were caught in St Petersburg (Pinellas county on the west coast of Florida). On 1999-05-17, 2 male <u>B. dorsalis</u> were found in Tampa (Hillsborough county, west coast of Florida) when inspecting a methyl eugenol trap in a calamondin tree. In July 1999, four more fruit flies were caught in Tampa. During August, a male <u>B. dorsalis</u> was found in Volusia county (on 1999-08-02, east coast of Florida), and then 2 more catches were made near Titusville, Brevard county (on 1999-08-19 and 1999-08-26, east coast). Intensive trapping and spot treatments are carried out in Florida to prevent any further spread.

Dendroctonus frontalis (EPPO A1 quarantine pest)

<u>D. frontalis</u> is present in Florida. As of 1995, outbreaks of <u>D. frontalis</u> had been reported from Northern Florida (Alachua, Baker, Bradford, Columbia, Gadsden, Leon, Nassau, Okaloosa and Union counties). Recently, active infestations of <u>D. frontalis</u> were discovered in Hernando, Volusia and Levy counties (Central Florida).

Toxoptera citricida (EPPO A1 quarantine pest)

In November 1995, <u>T. citricida</u> was discovered in south Florida (EPPO RS 96/024). Recently, it was found in east central Florida, at a nursery in Volusia county.

Source: *Bactrocera dorsalis* (in chronological order)

DOACS Press Releases, 1999-05-18. Two oriental fruit flies found in Tampa (by M. McConnell).

http://doacs.state.fl.us/press/051899.html

Pest Alert, University of Florida, 1999-07-12. More oriental fruit flies found in Florida (by C.C. Riherd)

http://extlab7.entnem.ufl.edu/PestAlert/fdacs-0712.htm

Pest Alert, University of Florida, 1999-07-30. Another oriental fruit fly found in Florida (by R.J. Budell)

http://extlab7.entnem.ufl.edu/PestAlert/fdacs-0730.htm

Pest Alert, University of Florida, 1999-08-02. An oriental fruit fly found in Volusia county, Florida (by R.J. Budell)

http://extlab7.entnem.ufl.edu/PestAlert/fdacs-0802.htm

Pest Alert, University of Florida. T.R. Fasulo posting of 1999-08-23 and 1999-08-26 http://extlab7.entnem.ufl.edu/PestAlert/

Dendroctonus frontalis

Pest Alert, University of Florida, 1995-04-19. Southern pine beetle outbreaks in Northern Florida.

http://extlab7.entnem.ufl.edu/PestAlert/jlf-0419.htm

Pest Alert, University of Florida, 1999-08-27. Southern pine beetle now in Hernando, Volusia and Levy counties.

http://extlab7.entnem.ufl.edu/PestAlert/jlf-0827.htm

Toxoptera citricida

Pest Alert, University of Florida. T.R. Fasulo posting of 1999-08-02 http://extlab7.entnem.ufl.edu/PestAlert/

Additional key words: detailed records Computer codes: DACUDO, DENCFR, TOXOCI, US

<u>99/142</u> Attacks of *Spodoptera littoralis* on aquarium plants

In Italy, <u>Spodoptera littoralis</u> (EPPO A2 quarantine pest) is essentially present in Campania, Liguria and Sicilia. In other parts (Lombardia, Emilia-Romagna, Toscana, Lazio and Puglia), it is an occasional pest which mainly occurs under protected conditions. Recently, in Portici (Napoli, Campania) outbreaks have been observed in a glasshouse producing aquarium plants. The following plant species were damaged: <u>Microsorium pteropus</u> (Polypodiaceae), <u>Anubias barteri</u> (Araceae), <u>A. hastaefolia, Echinodorus osiris</u> (Alismataceae), <u>Alternanthera reineckii</u> (Amaranthaceae), <u>Nomaphila stricta</u> (Acanthaceae) and <u>Gymnocoronis spilanthoides</u> (Asteraceae). <u>Nomaphila stricta</u> was the preferred host plant. Feeding damage was not strikingly visible, but considerably reduced the marketing value of the attacked plants. Although the extreme polyphagy of this insect is well known, this is the first report of <u>S. littoralis</u> on aquarium plants.

Source: Sannino, L.; Espinosa, B. (1999) Spodoptera littoralis (Lepidoptera

Noctuidae) harmful to aquarium plants.

Informatore fitopatologico, no. 6, 55-59.

Additional key words: new host plants Computer codes: SPODLI

<u>Further studies on cucurbit yellow stunting disorder closterovirus in Spain</u>

The out-of-season cultivation of cucurbits under plastic is of major economic importance in many Mediterranean countries. In particular in Spain, melons and cucumbers under plastic occupy 16,000 ha along the south-eastern coast. Since the late 1970s, melons and cucumbers have been seriously affected by yellowing diseases transmitted by whiteflies. In Spain, beet pseudo-yellows closterovirus transmitted by *Trialeurodes vaporariorum* was found (it is thought that cucumber chlorotic spot closterovirus observed in France is also a strain of beet pseudo-yellows closterovirus). Since the early 1990s, cucurbit yellow stunting disorder closterovirus (CYSDV - EPPO Alert List) transmitted by *Bemisia tabaci* (EPPO A2 quarantine pest) has been observed (see also EPPO RS 97/063). It is noted that the appearance of this virus disease coincided with the displacement of *T. vaporariorum* by *B. tabaci*. In Spain, populations of *B. tabaci* are essentially composed of the B biotype (also referred to as *B. argentifolii*) and the Q biotype which seems specific to Spain and Portugal.

During 1994-1997, samples of yellowing melons and cucumbers were collected from the regions of Almería, Málaga and Murcia during winter and spring, and tested by RT-PCR. On the 96 melon samples tested, 30% were infected by CYSDV and none by beet pseudo-yellows closterovirus. 75 % of the 134 cucumber samples were infected by CYSDV (and 3 samples were also infected by beet pseudo-yellows closterovirus). Additional tests were done for lettuce infectious yellows closterovirus (EPPO A1 quarantine pest) and cucurbit aphid-borne luteovirus (virus found in some places in Europe, see EPPO RS 94/210), but all results were negative. A natural infection of courgette by CYSDV was found for the first time in one crop in Almería. Although courgette and watermelon are experimental hosts of CYSDV, the crops are not widely affected by CYSDV. Finally, transmission experiments showed that both B and Q biotypes of <u>B. tabaci</u> were efficient vectors of CYSDV, whereas the A biotype was inefficient.

Source:

Berdiales, B.; Bernal, J.J.; Sáez, E.; Woudt, B.; Beitia, F.; Rodrígues-Cerezo, E. (1999) Occurrence of cucurbit yellow stunting disorder virus (CYSDV) and beet pseudo-yellows virus in cucurbit crops in Spain and transmission of CYSDV by two biotypes of *Bemisia tabaci*.

European Journal of Plant Pathology, 105(2), 211-215.

Additional key words: detailed record, epidemiology Computer codes: BEMITA, ES, KUYSXX

<u>99/144</u> <u>Situation of pear decline phytoplasma in Southern Italy</u>

Pear decline (EPPO A2 quarantine pest) was probably observed for the first time in Italy in 1934. Until recently, pear decline phytoplasma was thought to be essentially present in the north and central part of Italy, in particular in Emilia-Romagna, Trentino Alto-Adige and Veneto. However, the disease was found in Southern Italy (EPPO RS 97/170), mainly in Campania. Further studies have been carried to determine the extent of the disease in the south. Samples were collected from declining pear trees in Puglia and Basilicata and were tested by PCR. In some orchards, the incidence of declining trees reached 40 %. All symptomatic trees tested gave positive results. In addition, RFLP analysis of PCR products showed the typical profile for pear decline phytoplasma. The authors noted that the disease may have been present earlier in southern Italy without being identified as symptoms are not characteristic and could have been attributed to other causes (adverse growing conditions, etc.). Another possibility is that the incidence and extent of the disease have increased due to the use of infected planting material and difficulties faced in controlling the psyllid vector.

Source: Marcone, C.; Ragozzino, A.; Cirulli, M. (1999) [Widespread occurrence of

pear decline disease in Southern Italy].

Informatore Fitopatologico, no. 3, 50-52.

Additional key words: detailed record Computer codes: PRDXX, IT

<u>99/145</u> <u>Membership status for FAO, IPPC, WTO</u>

The present list of countries indicates the membership status for FAO, IPPC and WTO (the previous list was published in EPPO RS 98/056). It can be noted that the following EPPO countries have now accepted the 1997 revised text of the IPPC: Romania, Sweden, Tunisia. This revised text will enter into force when 2/3 of the IPPC contracting parties have accepted it. All EPPO member countries are again invited to accept the revised text of the Convention. In particular, the EPPO member countries (Estonia, Latvia, Lithuania, former Yugoslav Rep. of Macedonia, Slovakia, Ukraine) which have not yet become contracting parties to the IPPC despite the repeated recommendations of EPPO Council are invited to do so.

* IPPC (1997) Contracting Parties (date of acceptance indicated)

• IPPC (1951, 1979) Contracting Parties

O Members of WTO

In bold: FAO Member Nations

Afghanistan
Albania
Algeria •
Angola ○
Antigua and Barbuda ○
Argentina • ○
Armenia
Australia • ○
Azerbaijan
Bahamas •
Bahrain • ○
Bangladesh * (24/11/98) ○

Barbados * (10/08/98) ○
Belgium • ○
Belize • ○

Belize ● ○
Benin ○
Bhutan ●
Bolivia ● ○

Bosnia and Herzegovina Botswana ○

Brazil ● ○
Brunei Darussalam ○
Bulgaria ● ○
Burkina Faso ● ○
Burundi ○
Cambodia ●
Cameroon ○
Canada ● ○
Cape Verde ●

Central African Republic O

Chad ○
Chile ● ○
Chine
Colombia ● ○

Comoros Congo, Democratic Republic

of \circ

Congo, Republic of ○ **Cook Islands**

Costa Rica * (6/07/98) ○
Côte d'Ivoire ○
Croatia ●
Cuba ● ○

Cyprus ● ○
Czech Republic ● ○
Denmark ● ○
Djibouti ○
Dominica ○

Dominican Republic ● ○

Ecuador • ○
Egypt • ○
El Salvador • ○
Equatorial Guinea •

Eritrea
Estonia
Ethiopia ●
European Union ○

Fiji O
Finland • O
France • O
Gabon O
Gambia O
Georgia
Germany • O
Ghana • O
Greece • O
Grenada • O

Guatemala ● ○

Guinea ● ○

Guinea Bissau ○ Guyana • ○

Haiti ● ○ Honduras ○

Hong Kong, China, ○

Hungary • ○
Iceland ○
India • ○
Indonesia • ○
Iran •
Iraq •

Ireland • ○
Israel • ○
Italy • ○
Jamaica • ○
Japan • ○
Jordan •
Kazakhstan

Korea, Democratic People's

Rep. of

Kenya ● ○

Korea, Rep. of ● ○

Kuwait O

Kyrgyz Republic O

Laos ● Latvia ○ Lebanon ● Lesotho ○ Liberia ●

Libyan Arab Jamahiriya •

Liechtenstein ○
Lithuania
Luxembourg • ○

Macau O

Macedonia, former Yugoslav

Rep. of
Madagascar

Malawi

Malaysia

Maldives

Mali

Malta

Mauritania

Mauritius ● ○
Mexico ● ○
Moldova
Mongolia ○
Morocco ● ○
Mozambique ○

Myanmar ○
Namibia ○
Nepal
Netherlands ● ○

Netherlands Antilles ○
New Zealand * (22/06/99) ○
Nicaragua • ○
Niger • ○
Nigeria • ○

Norway ● ○
Oman ●
Pakistan ● ○
Panama ● ○

Papua New Guinea *

(15/01/99) ○ **Paraguay** • ○ **Peru** • ○ **Philippines** • ○ **Poland** • ○ **Portugal** • ○ **Oatar** ○

Romania * (21/01/99) ○ Russian Federation •

Rwanda \circ

Saint Kitts and Nevis ● ○

Saint Lucia ○ Saint Vincent & the Grenadines ○ Samoa

Sao Tome and Principe

Saudi Arabia
Senegal • ○
Seychelles •
Sierra Leone • ○
Singapore ○
Slovak Republic ○
Slovenia • ○

Solomon Islands $\bullet \bigcirc$ **Somalia**

South Africa ● ○ Spain ● ○ Sri Lanka ● ○ Sudan ●
Suriname ● ○
Swaziland ○

Sweden * (7/06/99) \bigcirc Switzerland $\bullet \bigcirc$

Syria
Tajikistan
Tanzania ○
Thailand • ○
Togo • ○
Tonga

Trinidad and Tobago ● ○ **Tunisia *** (8/02/99) ○

Turkey ● ○
Turkmenistan
Uganda ○
Ukraine

United Arab Emirates ○ United Kingdom • ○

United States of America ● ○

Uruguay ● ○
Vanuatu
Venezuela ● ○
Vietnam
Yemen ●
Yugoslavia ●

Zambia ● ○
Zimbabwe ○

Source: EPPO Secretariat, 1999-08.

FAO Web Site

FAO Member Nations, 1998-03-31 (http://www.fao.org/unfao/bodies/member-e.htm)

IPPC (http://www.fao.org/legal/treaties/004s-e.htm)

WTO Web Site

WTO members, 1999-02-10 (http://www.wto.org/wto/about/organsn6.htm)

<u>99/146</u> EPPO report on selected intercepted consignments

The EPPO Secretariat has gathered the intercepted consignment reports for 1999 received since the previous report (EPPO RS 99/112) from the following countries: Austria, Croatia (2 interceptions for 1998), Czech Republic, Denmark, Estonia, France, Finland, Germany, Guernsey, Ireland, Israel, Italy, Jersey, Netherlands, Norway, Poland, Portugal, Romania, 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 interceptions made because of the presence of pests. Other interceptions due to prohibited commodities, missing or invalid certificates are not indicated. It must be pointed out that the report is only partial, as several EPPO countries have not yet sent their interception reports.

Note: the EPPO RS 98/077 mentioned an Italian interception of seed potatoes from Canada infected by <u>Clavibacter michiganensis</u> subsp. <u>sepedonicus</u>. NAPPO has informed the EPPO Secretariat that the Italian authorities have performed further tests (biological tests) and that the results obtained have excluded the presence of <u>C. m.</u> subsp. <u>sepedonicus</u> in the seed potato samples in question, which should therefore be considered as free from this bacterium.

Pest Agropyron repens	Consignment Petroselinum	Type of commodity Seeds	Country of origin USA	C. of destination Israel	nb 1
Ambrosia sp.	Helianthus annuus Zea mays Zea mays	Stored products Stored products Stored products	Hungary Czech Republic Slovakia	Poland Poland Poland	1 1 1
Aster yellows phytoplasma	Solidago	Cuttings	Netherlands	Israel	1
Aulacorthum solani	Viburnum	Cuttings	Netherlands	Israel	1
Bemisia tabaci	Ajuga Alternanthera Alternanthera Alternanthera Alternanthera ficoidea Alternanthera reineckii Alternanthera sessilis Anubias Anubias coffeefolia Asclepias Aster Bacopa amplexicaulis Coriandrum	Cuttings Aquarium plants Cut flowers Cut flowers Aquarium plants Vegetables	Israel Morocco Singapore* Thailand Singapore* Singapore* Israel Singapore* Israel Netherlands Singapore* Thailand	United Kingdom France France France France France France France Denmark United Kingdom Ireland France France	1 1 5 1 2 3 2 2 1 1 1 3

Pest	Consignment	Type of commodity	Country of origin	C. of destination	nb
B. tabaci (cont.)	Dendranthema	Cut flowers	Netherlands	Ireland	1
	Dendranthema	Cut flowers	Netherlands	United Kingdom	1
	Echinodorus	Aquarium plants	Israel	France	1
	Eryngium	Cut flowers	Thailand	France	14
	Euphorbia	Plants for planting	Thailand	Denmark	1
	Euphorbia pulcherrima	Cuttings	Germany	United Kingdom	4
	Euphorbia pulcherrima	Plants for planting	Germany	United Kingdom	3
	Euphorbia pulcherrima	Cut flowers	Germany	United Kingdom	1
	Euphorbia pulcherrima	Plants for planting	Netherlands	United Kingdom	1
	Euphorbia pulcherrima	Cuttings	Netherlands	United Kingdom	1
	Euphorbia pulcherrima	Plants for planting	Portugal	United Kingdom	1
	Gypsophila	Cut flowers	Israel	France	1
	Heteranthera	Aquarium plants	Singapore*	United Kingdom	1
	Hibiscus	Pot plants	Netherlands	Poland	1
	Hibiscus	Plants for planting	Netherlands	United Kingdom	3
	Hibiscus	Cut flowers	Togo	France	1
	Hygrophila	Aquarium plants	Singapore*	France	4
	Hygrophila augustifolia	Aquarium plants	Singapore*	United Kingdom	1
	Hygrophila costata	Aquarium plants	Singapore*	France	4
	Hygrophila polysperma	Aquarium plants	Singapore*	France	11
	Hygrophila rosanervis	Aquarium plants	Malaysia	France	1
	Hygrophila salicifolia	Aquarium plants	Singapore*	France	1
	Hypericum	Cut flowers	Israel	United Kingdom	1
	Hypericum	Cut flowers	Netherlands	Ireland	1
	Mayaca fluviatilis	Aquarium plants	Singapore*	France	1
	Metrosideros	Plants for planting	Israel	France	1
	Nomaphila	Aquarium plants	Singapore*	France	7
	Nomaphila siamensis	Aquarium plants	Singapore*	France	9
	Ocimum basilicum	Vegetables	Israel	France	3
	Ocimum basilicum	Vegetables	Spain (Canary isl.)	United Kingdom	1
	Piper sarmentosum	Vegetables	Thailand	France	1
	Rosa	Cut flowers	Israel	France	1
	Solidago	Cut flowers	Israel	Ireland	5
	Solidago	Cut flowers	Israel	United Kingdom	22
	Solidago	Cut flowers	Netherlands	Ireland	3
	Solidago	Cut flowers	Spain	United Kingdom	1
	Sparmannia	Plants for planting	Netherlands	United Kingdom	1
Bemisia tabaci, Liriomyza (suspect huidobrensis)	Solidago	Cut flowers	Israel	United Kingdom	1
Cadra cautella, Oryzaephilus mercator	Capsicum frutescens	Stored products	Niger	Israel	1
Canna yellow mottle virus	Canna	Plants for planting	Netherlands	United Kingdom	1
Clavibacter michiganensis	Solanum tuberosum	Ware potatoes	Denmark	Netherlands	1
subsp. sepedonicus	Solanum tuberosum	Ware potatoes	Germany	Netherlands	12
	Solanum tuberosum	Seed potatoes	Germany	Netherlands	2
	Solanum tuberosum	Ware potatoes	Poland	Estonia	1
Cryptocephalus fulvus, Crophosomus rufipes?	Unspecified	Branches	Netherlands	Israel	1
Cydia sp.	Prunus persica	Fruits	Italy	Poland	1
Cyptophania hirsuta?	Coffea	Stored products	Brazil	Israel	2

Pest	Consignment	Type of commodity	Country of origin	C. of destination	nb
Dendrocerus ramicornis, Scatopse pulicaria?	Sesamum indicum	Seeds	India	Israel	1
Duponchelia fovealis	Heuchera	Plants for planting	Netherlands	United Kingdom	1
Entomoscelis sacra, Scatopse pulicaria?	Sesamum indicum	Seeds	India	Israel	1
Eriosoma lanigerum	Malus domestica	Fruits	Italy	Israel	1
Erwinia amylovora	Cotoneaster horizontalis Crataegus monogyna Pyracantha	Plants for planting Plants for planting Plants for planting	United Kingdom Belgium Netherlands	Ireland Ireland United Kingdom	1 1 1
Frankliniella occidentalis	Alstroemeria, Liatris Dendrobium Helianthus annuus Hibiscus rosa-sinensis Limonium	Cut flowers Cut flowers Cut flowers Pot plants Cut flowers	Netherlands Thailand Netherlands Netherlands Guernsey*	Estonia Germany Jersey Poland Jersey	1 1 1 1 2
Globodera pallida Globodera pallida, G. rostochiensis	Solanum tuberosum Solanum tuberosum	Seed potatoes Ware potatoes	Netherlands Italy	France Finland	1 1
Globodera rostochiensis	Solanum tuberosum Solanum tuberosum Solanum tuberosum Solanum tuberosum Solanum tuberosum	Ware potatoes Ware potatoes Ware potatoes Ware potatoes Seed potatoes	Hungary Italy Italy Italy Netherlands	Poland Czech Republic Finland Ireland France	1 2 1 3 2
Globodera sp.	Solanum tuberosum	Ware potatoes	Cyprus	Norway	1
Helicoverpa armigera	Dianthus Dianthus Dianthus caryophyllus Dianthus caryophyllus Gypsophila Phaseolus Phaseolus	Cut flowers Cut flowers Cut flowers Cut flowers Cut flowers Vegetables Vegetables	Israel Morocco Morocco Turkey Israel Egypt Morocco	Netherlands Netherlands France France Germany Netherlands Netherlands	2 2 2 1 1 11 2
Japananus hyalinus	Acer palmatum	Plants for planting	Korea Republic	United Kingdom	1
Lasioderma serricorne	Capsicum frutescens Nicotiana tabacum	Stored products Stored products	India Zimbabwe	Israel Israel	1 1
Lasioderma serricorne, Ephestia elutella	Coffea	Stored products	Colombia	Israel	1
Leptinotarsa decemlineata	Cichorium endivia Solanum tuberosum Solanum tuberosum Solanum tuberosum Solanum tuberosum	Vegetables Ware potatoes Ware potatoes Ware potatoes Ware potatoes	Netherlands Cyprus Italy Italy Spain	United Kingdom United Kingdom Ireland United Kingdom United Kingdom	1 1 1 1
Leucoptera malifoliella	Malus domestica	Fruits	Italy	Israel	1

Pest	Consignment	Type of commodity	Country of origin	C. of destination	nb
Liriomyza huidobrensis	Dendranthema	Cut flowers	Kenya*	United Kingdom	1
	Dendranthema	Cut flowers	Netherlands	Ireland	1
	Dendranthema	Cut flowers	Netherlands	United Kingdom	3
	Dendranthema, Gypsophila	Cut flowers	Netherlands	Ireland	1
	Gypsophila	Cut flowers	Israel	Jersey	1
	Gypsophila	Cut flowers	Israel	United Kingdom	1
	Gypsophila	Cut flowers	Netherlands	Ireland	8
	Gypsophila	Cut flowers	Netherlands	Jersey	4
	Gypsophila	Cut flowers	Netherlands	United Kingdom	5
	Gypsophila Gypsophila	Cut flowers	Unknown	Jersey	1
	Unspecified plants	Plants for planting	Netherlands	Ireland	1
Liriomyza huidobrensis, L. bryoniae	Gypsophila	Cut flowers	Netherlands	United Kingdom	1
Liriomyza (suspect	Gypsophila	Cut flowers	Ecuador	United Kingdom	1
huidobrensis)	Gypsophila	Cut flowers	Israel	United Kingdom	2
	Gypsophila	Cut flowers	Netherlands	United Kingdom	1
	Gypsophila	Cut flowers	Spain	United Kingdom	1
	Solidago	Cut flowers	Israel	United Kingdom	1
	Dendranthema	Cut flowers	Netherlands	United Kingdom	1
	Eustoma	Cut flowers	Netherlands	United Kingdom	1
	Gypsophila	Cut flowers	Netherlands	United Kingdom	1
	Gypsophila	Cut flowers	Spain	United Kingdom	1
Liriomyza sativae	Ocimum basilicum	Vegetables	Thailand	France	13
, , , , , , , , , , , , , , , , , , ,	Ocimum basilicum	Vegetables	Thailand	United Kingdom	2
Liriomyza trifolii	Dendranthema	Cut flowers	Netherlands	United Kingdom	1
	Gerbera	Plants for planting	Belgium	United Kingdom	1
	Gerbera	Plants for planting	Netherlands	Guernsey	1
	Gerbera	Plants for planting	Netherlands	United Kingdom	6
Liriomyza (suspect trifolii)	Gerbera	Plants for planting	Belgium	United Kingdom	1
	Gerbera	Cut flowers	Netherlands	United Kingdom	1
Liriomyza sp.	Capsicum	Plants for planting	Netherlands	United Kingdom	1
	Coriandrum	Vegetables	Thailand	France	1
	Dendranthema	Cut flowers	Netherlands	United Kingdom	1
	Gypsophila	Cut flowers	Israel	France	1
	Gypsophila	Cut flowers	Israel	Germany	1
	Gypsophila	Cut flowers	Israel	United Kingdom	1
	Gypsophila	Cut flowers	Netherlands	United Kingdom	2
	Gypsophila	Cut flowers	Spain	Croatia (1998)	1
	Gypsophila Gypsophila	Cut flowers	Spain	United Kingdom	1
	Lycopersicon esculentum	Plants for planting	Tunisia	France	2
	Ocimum basilicum	Vegetables	Israel	France	6
	Ocimum basilicum	Vegetables	Morocco	France	1
	Verbena	Cut flowers	Netherlands	United Kingdom	1
Maruca testulalis	Phaseolus	Vegetables	Ghana	United Kingdom	1
Meloidogyne sp.	Rosa	Cuttings	Netherlands	Poland	1
Mites	Tillandsia	Cuttings	Netherlands	Israel	1

Pest Nematodes	Consignment Areca Phoenix roebelenii Pinus pentaphylla, Juniperus chinensis	Type of commodity Plants for planting Plants for planting Plants for planting	Country of origin Dominican Rep. Costa Rica Japan	C. of destination Germany Germany Germany	nb 1 1 1
	Various plants	Plants for planting	Malaysia	Germany	1
Pachytroctes dichromiscelis?	Coffea	Stored products	Vietnam	Israel	4
Potato spindle tuber viroid, Potato virus X	Solanum tuberosum	Breeding purposes	Peru	Netherlands	1
Pratylenchus	Lilium	Bulbs	Netherlands	Israel	1
Pratylenchus penetrans	Lilium	Bulbs	Netherlands	Israel	1
Quadraspidiotus perniciosus	Pyrus communis Pyrus communis	Fruits Fruits	Spain Spain	Israel Israel	1
Ralstonia solanacearum	Curcuma Solanum tuberosum Solanum tuberosum Solanum tuberosum Solanum tuberosum	Plants for planting Ware potatoes Ware potatoes Ware potatoes Ware potatoes	Venezuela Egypt Egypt Egypt EU	Netherlands Germany Italy Netherlands Slovenia	1 5 1 4 2
Rhizopertha dominica	Hordeum vulgare Hordeum vulgare Triticum aestivum Triticum aestivum	Stored products Stored products Stored products Stored products	Czech Republic Slovakia Czech Republic Slovakia	Poland Poland Poland Poland	2 3 1 1
Scales	Dracaena	Cuttings	Netherlands	Israel	1
Scirtothrips dorsalis, Thrips tabaci	Asparagus officinalis	Vegetables	Thailand	Netherlands	1
Sclerotium cepivorum	Petroselinum Raphanus sativus Spinacia oleracea	Seeds Seeds Vegetables	Denmark Netherlands Denmark	Israel Israel Israel	1 1 1
Scutellonema bradys	Dioscorea	Vegetables	Ghana	Israel	1
Sitophilus oryzae	Hordeum vulgare Hordeum vulgare Triticum aestivum Zea mays	Stored products Stored products Stored products Stored products	Czech Republic Slovakia Slovakia Slovakia	Poland Poland Poland Poland	6 7 6 2
Sitophilus oryzae, Rhizopertha dominica	Triticum aestivum	Stored products	Slovakia	Poland	1
Sitophilus oryzae, Tribolium	Avena sativa Hordeum vulgare Hordeum vulgare Zea mays	Stored products Stored products Stored products Stored products	Czech Republic Czech Republic Slovakia Czech Republic	Poland Poland Poland Poland	1 2 1 1
Spiders	Coffea	Stored products	Côte d'Ivoire	Israel	1

Pest	Consignment	Type of commodity	Country of origin	C. of destination	nb
Stenocarpella maydis, Cochliobolus carbonum, C. graminicola	Zea mays	Seeds	USA	Israel	1
Thrips palmi	Dendrobium Orchidaceae	Cut flowers Plants for planting	Thailand India	Netherlands France	2
	Oremdaceae	Tiants for planting	mura	Trance	1
Thrips (suspect palmi)	Momordica charantia	Vegetables	Dominican Rep.	United Kingdom	1
	Momordica charantia Solanum melongena	Vegetables Vegetables	Dominican Rep. Dominican Rep.	France France	1 1
Thrips sp.	Alstroemeria	Cuttings	Netherlands	Israel	1
	Dendrobium	Cut flowers	Thailand	Germany	2
Thysanoptera	Momordica charantia	Vegetables	Dominican Rep.	France	2
-	Momordica charantia	Vegetables	Thailand	France	2
	Orchidaceae	Cut flowers	Singapore	France	1
	Solanum melongena	Vegetables	Dominican Rep.	France	2
Tribolium castaneum	Sesamum indicum	Seeds	Ethiopia	Israel	2
Tribolium confusum	Coffea	Stored products	Thailand	Israel	1
	Coffea	Stored products	Uganda	Israel	1
	Dried spices	Stored products	India	Israel	1
Tribolium sp.	Hordeum vulgare	Stored products	Czech Republic	Poland	3
	Hordeum vulgare	Stored products	Slovakia	Poland	5
	Oryza sativa	Stored products	Pakistan	Poland	1
	Panicum milliaceum, Helianthus annuus	Stored products	Czech Republic	Poland	1
	Pistachio	Stored products	Turkey	Israel	1
	Triticum aestivum	Stored products	Czech Republic	Poland	2
	Triticum aestivum	Stored products	Slovakia	Poland	4
	Zea mays	Stored products	Czech Republic	Poland	2
	Zea mays	Stored products	Hungary	Poland	1
	Zea mays	Stored products	Slovakia	Poland	2
Tribolium, Oryzaephilus surinamensis	Helianthus annuus	Stored products	Czech Republic	Poland	1
Tribolium, Trogoderma granarium	Hordeum vulgare	Stored products	Slovakia	Poland	1
Tribolium, Trogoderma, Rhizopertha	Hordeum vulgare	Stored products	Slovakia	Poland	1
Trogoderma granarium	Hordeum vulgare Triticum aestivum	Stored products Stored products	Slovakia USA	Poland Croatia (1998)	7 1
Trogoderma granarium, Sitophilus oryzae	Hordeum vulgare	Stored products	Slovakia	Poland	1
Trogoderma sp.	Triticum aestivum	Stored products	Slovakia	Poland	1
Trogoderma, Tribolium, Rhizopertha, Sitophilus	Hordeum vulgare	Stored products	Slovakia	Poland	1

Pest Typhaea stercorea	Consignment Cinnamomum aromaticum	Type of commodity Stored products	Country of origin China	C. of destination Israel	nb 1
Unspecified insect	Cinnamomum aromaticum Coffea	Stored products Stored products	China Vietnam	Israel Israel	1 1
Unspecified rot	Capsicum frutescens Panicum milliaceum	Stored products Stored products	India India	Israel Israel	1
• Fruit flies					
Pest	Consignment	Country of origin	C. of destination	nb	
Bactrocera sp.	Mangifera indica	Thailand	France	2	
s .	Psidium guajava	Thailand	France	2	
	Syzygium jambos	Thailand	France	1	
Ceratitis capitata	Citrus reticulata	Uruguay	Netherlands	1	
Ceratitis sp.	Annona muricata	Côte d'Ivoire	France	1	
<u>-</u>	Mangifera indica	Burkina Faso	France	1	
	Mangifera indica	Cameroon	France	1	
	Mangifera indica	Mali	France	4	
• Wood					
Doct	Consignment	Type of commodity	Country of origin	C of doctination	nh

Pest Anoplophora glabripennis found in 1998*	Consignment Wood	Type of commodity Crate containing floor tiles	Country of origin China	C. of destination United Kingdom	nb 1
Cerambycidae, Cryptorhynchinae	Conifers	Packing wood	China	Ireland	1
Cerambyx cerdo, Chrysobothris affinis, Rhagium mordax	Quercus robur	Wood	Ukraine	Poland	1
Ips sp.	Pinus	Wood	Russia	Poland	1
Monochamus sp.	Picea Picea abies Pinus sylvestris, Picea abies	Wood Wood Wood	Russia Russia Russia	Poland Poland Poland	1 2 1
Monochamus, Scolytidae Plagionotus, Cerambyx, Chrysobothris, Agrilus	Conifers Quercus	Packing wood Wood	China Ukraine	Ireland Poland	1 2
Tribolium sp.	Exotic wood	Wood	Malaysia	Poland	1

^{*} Note: Anoplophora glabripennis was intercepted by UK in September 1998. It was found associated with a crate containing floor tiles from China. Investigations on crates at the importers' warehouses revealed a number of instances of the pest or attack symptoms. This has led EU countries to adopt import controls on all nonconiferous packing material from China.

Bonsais

United Kingdom has intercepted 10 consignments of bonsai plants (*Podocarpus*, *Serissa*, *Ulmus*) from China which were infested by: *Neophyllaphis podocarpi*, *Rhizoecus hibisci* and *Tinocallis takachihoensis*.

• Unusual interceptions

United Kingdom intercepted *Monochamus sutor* in the premises of a chemical company importing adipic acid from Ukraine, and found *Leptinotarsa decemlineata* on kitchen units imported from Germany.

Source: EPPO Secretariat, 1999-08.

<u>99/147</u> COSAVE now has a Web Site

COSAVE now has a Web site at the following address:

http://www.cosave.org.py

It gives much information on the structure, composition (membership, addresses of members, staff) and activities of COSAVE (calendar of meetings, summaries of meetings). COSAVE Standards (in Spanish or Portuguese), Data Sheets on quarantine pests, lists of quarantine pests (under construction), and useful links are also available.

Source: COSAVE, 1999-08.

Additional key words: useful web sites

<u>99/148</u> Training course for plant protection inspectors in UK: cancelled

In the EPPO Reporting Service of January 1999 (EPPO RS 99/017), it was announced that a training course for plant protection inspectors would be held in UK in April 2000. The organisers of this training course have informed the EPPO Secretariat that unfortunately it will not be possible to run it in 2000.

Source: Ministry of Agriculture Fisheries and Food, Plant Health and Seeds Inspectorate, United Kingdom, 1999-08.