EPPO activities on Pest Reporting and Information Sharing



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EPPO/FAO Workshop on pest reporting and exchange of phytosanitary information (Riga, 2013-05-14/17)

Reporting obligations



Reporting obligations EPPO Convention

Article VI. - *Obligations of Member Governments*

a. Member Governments shall furnish to the Organization so far as is practicable such information as the Organization may reasonably require in order to carry out its functions, including in particular the information referred to in Article V f1 and V f2.



Reporting obligations EPPO Convention

Article V. – Functions

The functions of the Organization shall be:

f. to disseminate information by

1. obtaining information from Member Governments on the existence, outbreak or spread of pests, and conveying such information to Member Governments;

2. providing for the exchange of information on national phytosanitary legislation, lists of regulated pests, or other measures affecting the free movement of plants and plant products;

3. establishing a documentation and information service and publishing in an appropriate form material for technical or scientific advancement;



EPPO Council decision of 1999

1. Each EPPO Member Government should report to the Organization, as required by the New Revised Text of the IPPC:

- any points of entry which are specified as the only ones through which consignments of particular plants or plant products may be imported;
- any lists of regulated pests which it may establish (using scientific names);
- any emergency actions on the detection of pests posing a potential threat to its territories.

2. Each EPPO Member Government should additionally report to the Organization the following information identified in the IPPC, without being specified as reportable to RPPOs:

- newly adopted phytosanitary requirements, restrictions and prohibitions;
- a description of its official NPPO and of any changes in it;
- any significant instances of non-compliance with phytosanitary certification (using the "Notification of interception" forms already recommended by Council in 1992).

3. Each EPPO Member Government should report to the Organization information on:

• occurrence, outbreak or spread of pests that may be of immediate or potential danger.



Recommendations from the EPPO Workshop on Pest Reporting (Lyon, FR, 2007-05-14/16)

- Specific organisational procedures within the NPPO should be set up to ensure efficient pest reporting through the official IPPC contact point
- A pest report should be limited to a single pest, to promote prompt communication
- Reporting should be an ongoing activity, as previous pest reports may need to be improved or updated
- When an NPPO concludes that a pest is not present, and that earlier pest records need to be corrected, an official communication should be sent to EPPO. EPPO should update the pest record
- EPPO countries and the EPPO Secretariat should use the same format for pest reporting as is used for the IPP (International Phytosanitary Portal)
- Reporting absence (including successful eradication) of pests is important, to prevent erroneous or incorrect pest records being used by other parties
- Pest reporting should be systematically carried out for both EPPO and the IPP.
- EPPO countries should make use of ISPM 8 for describing pest status as part of a pest report.





IPPC

Reporting obligations

IPPC Article VIII on International cooperation

- 1. The contracting parties shall cooperate with one another to the fullest practicable extent in achieving the aims of this Convention, and shall in particular:
 - (a) cooperate in the exchange of information on plant pests, particularly the reporting of the occurrence, outbreak or spread of pests that may be of immediate or potential danger, in accordance with such procedures as may be established by the Commission;

IPPC Article IX on RPPOs

2. The regional plant protection organizations shall function as the coordinating bodies in the areas covered, shall participate in various activities to achieve the objectives of this Convention and, where appropriate, shall gather and disseminate information.

IPPC website

Official pest reports

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	<u>←BACK</u>							
	Results for	: Pest report (1-331 of 3	31)					
	▼ Country	Identity of Pest	\$Host(s) or article(s) concerned	Status of pest \$(under ISPM No.8)	\$Title	\$Date	¢Last ¢updated	¢Report number
	Algeria [DZA]	Feu bactêrien	Poirier, pommier, néflier	Present: in all parts of the area;	Signalement du feu bactérien	16- 06- 2011	16-06- 2011	DZA-01/1
	Antigua and Barbuda [ATG]	Achatina fulica	Not yet determined.	Transient: actionable, under eradication;	Giant African Land Snail	21- 04- 2008	21-04- 2008	ATG-01/1
	Australia [AUS]	Olivea tectonae	Teak trees	Present: in all parts of the area where host crop(s) are grown;	Detection of teak leaf rust	31- 10- 2006	31-10- 2006	AUS-01/1
	Australia [AUS]	Ustilago scitaminea	Sugarcane (Saccharum officinarum)	Present: only in some areas;	Sugarcane smut widespread and established in Queensland	15- 11- 2006	15-11- 2006	AUS-02/2





- **ISPM 06** Guidelines for surveillance
- **ISPM 08** Determination of pest status in an area
- **ISPM 09** Guidelines for pest eradication programmes
- **ISPM 13** Guidelines for the notification of noncompliance and emergency action
- **ISPM 17** Pest reporting
- **ISPM 19** Guidelines on lists of regulated pests



EU Member States (EU Directive 2000/29)

. . . / . . .

Article 16

1. Each Member State shall immediately notify $\blacktriangleright \underline{M4}$ in writing \blacktriangleleft the Commission and the other Member States of the presence in its territory of any of the harmful organisms listed in Annex I, Part A, Section I or Annex II, Part A, Section I or of the appearance in part of its territory in which their presence was previously unknown of any of the harmful organisms listed in Annex I, Part A, Section II or in Part B or in Annex II, Part A, Section II or in Part B.

It shall take all necessary measures to eradicate, or if that is impossible, inhibit the spread of the harmful organisms concerned. It shall inform the Commission and the other Member States of the measures taken.

2. Each Member State shall immediately notify $\blacktriangleright \underline{M4}$ in writing \blacktriangleleft the Commission and the other Member States of the actual or suspected appearance of any harmful organisms not listed in Annex I or in Annex II whose presence was previously unknown in its territory. It shall also inform the Commission and the other Member States of the protective measures which it has taken or intends to take. These measures must, *inter alia*, be such as to prevent risk of the spread of the harmful organism concerned in the territory of the other Member States.

Why EPPO collects pest reports?

Why collect pest reports?

- To inform all EPPO member countries about new introductions, new outbreaks, eradication of regulated pests
- To provide early warning on emerging pests
- To initiate EPPO activities on PRA, pest listing, preparation of pest-specific standards



What is reported to EPPO by NPPOs?

- New introductions and outbreaks of regulated pests
- Eradication of regulated pests
- Updates about the situation of regulated pests
- Emergence of new phytosanitary problems
- Notifications of non-compliance (interceptions) via EUROPHYT for EU member states and Switzerland
- Phytosanitary regulations and lists of quarantine pests



Reliability of information – ISPM 8

Determination of pest status in an area / 10

Table. Guidance for Evaluating the Reliability of a Pest Record (Sources listed from most reliable to least reliable).

1. Collectors / Identifiers	2. Technical identification	3. Location and date	4. Recording / Publication
a. Taxonomic specialist	a. Discriminating biochemical or molecular diagnosis (if available)	a. Delimiting or detection surveys	a. NPPO record/RPPO publication (where refereed)
b. Professional specialist,		b. Other field or production	(
diagnostician	b. Specimen or culture maintained in official collection, taxonomic	surveys	b. Scientific or technical journal refereed
c. Scientist	description by specialist	c. Casual or incidental field	
d. Technician	c. Specimen in general collection	observation, possibly with no defined location/date	e. Official historical record
e. Expert amateur	d. Description and photo	d. Observation with/in products or by-products; interception	d. Scientific or technical journal non-refereed
f. Non-specialist	e. Visual description only		
	C M d a 1 - C 1 - C C - C - C	e. Precise location and date not	e. Specialist amateur publication
g. Collector/identifier not known	f. Method of identification not known	known	f. Unpublished scientific or technical document

g. Non-technical publication; periodical/newspaper

h. Personal communication; unpublished

How EPPO shares information from pest reports?



Information sharing

- Publish pest reports in the EPPO Reporting Service
- Achieve early warning with the EPPO Alert List
- Store pest reports in PQR (database)
- Develop a new web-based interface for pest reporting

EPPO Reporting Service A free monthly newsletter



It contains:

- New data on biology, host plants, diagnostic methods and geographical distribution of quarantine pests and pests of potential quarantine significance
- Interception reports
- Additions to the EPPO Alert List, etc.





EPPO Reporting Service

More than 60 years of existence...

One of the first issues of the EPPO Reporting Service (1955)

Oldest archive is 1950





MEDITERRANEAN FRUIT FLY IN WESTERN EUROPE

AUSTRIA (26/10)

<u>Ceratitis capitata</u> has been found since 1951 in some allotment gardens in the Vienna area. The infested places are for the most part situated near stations where fruit imports arrive, or in the vicinity of large markets. In 1951 and 1952 only a few infested gardens were found, but infestation has subsequently increased. One infested place has also been reported in Lower Austria.

Apricots constitute the main host for the larvae of the first generation; peaches and soft pears for the second generation. The main damage is caused by the second generation. Control measures have not proved very successful; spraying with parathion products had no effect, and spraying with DDT wettable powder gave a decrease of infestation of only 25%.

Please address all communications to EPPO Reporting Service, quoting above reference number.
Distributed in colleboration with the FAO World Reporting Service

EPPO Reporting Service

http://www.eppo.int/PUBLICATIONS/reporting/reporting_service.htm







Parts of the EPPO RS on http://www.vniikr.ru

EPPO Reporting Service: example of a first record

EPPO Reporting Service - Pests & Diseases

2011/026 First report of Phytophthora lateralis in the United Kingdom

The NPPO of the United Kindgom recently informed the EPPO Secretariat of the first record of *Phytophthora lateralis* (EPPO A1 List) in Scotland. In October 2010, dieback and mortality of *Chamaecyparis lawsoniana* trees was noticed at the Balloch Castle Country Park. This park is an important historical site located within the Loch Lomond and Trossachs National Park. Affected trees were predominantly mature (approximately 70-80 year old) and showed symptoms which varied from foliage dieback of discrete patches of the crown to mortality. Some of the declining *Chamaecyparis* trees were also showing resin bleeding on the stems and branches, which apparently originated at branch junctions or wounds. Root and stem samples were taken from 4 trees and tested. Laboratory tests (lateral flow device for *Phytophthora* spp., PCR and sequencing, morphology) confirmed the presence of *P. lateralis*.

During winter, further investigations on the site were hampered by bad weather conditions (heavy snow). However, by February 2011 a total of 90 symptomatic, including 10 confirmed positively by laboratory tests, infected C. lawsoniana had been identified and these were all felled and destroyed by burning by 23 February. A single C. lawsoniana was confirmed as infected by P. ramorum (EPPO Alert List), only the second specimen of this species found infected with P. ramorum in the UK. A Rhododendron plant was found positive for P. ramorum and has been destroyed. P. cinnamomi was also found infecting Taxus baccata on the site. These infected plants have also been voluntarily destroyed. Investigations are continuing at the site and surveys of all C. lawsoniana within 3 km of the park will be carried out in the spring, in order to determine future management measures. For the moment, it has not been possible to identify the source of introduction of P. lateralis into Scotland but it is suspected that the pathogen may have been present in this park for 5 to 10 years. Precautions are being taken to prevent any further spread of the pathogen (i.e. prohibition to move plant material from the infected site including composted material, disinfection of all machinery and equipment used for tree destruction, warning notices for visitors and disinfectant foot mats at all exit points of the park).

The pest status of *Phytophthora lateralis* in the United Kingdom is officially declared as: Present, under eradication.

Source: NPPO of the United Kingdom (2011-03).





EPPO Reporting Service

Listing	2012/010 Status of Drosophila suzukii in Belgium Fellowing the finding of one adult male of Drosophila suzukii (Diptora: Drosophilidae - EPPO A2 List) in Belgium during the last week of November 201 (EPPO RS 2011/211), a short survey was carried out by the NPPO. In the meantime, no more findings of the pest are reported. The NPPO decided to start a monitoring campaign from March 2012 using traps throughout Belgium which will mainly focus on soft fruit production. In addition, traps will be placed at border inspection points, at fruit auctions and in warehouses. The survey will focus especially on the region in West-Vlaanderen where the pest was found. Moreover, special attention will be paid to the occurrence of disease symptoms during quality controls. A selection of possible management options has been drawn up in case of
Pest status	future findings. The pest status of D. suzukii in Belgium is officially declared as: Transient, actionable, under surveillance. Source: NPPO of Belgium (2012-01). Additional key words: detailed record Computer codes: DROSSY, BE



Information is summarized, harmonized, put back into its general context (checking what was the situation before) by the EPPO Secretariat when it is published in the EPPO Reporting service or entered into PQR

Reporting pest status

EPPO encourages its member countries to report official pest status using the terms of ISPM no. 8



In the EPPO Reporting Service and in PQR, there is a distinction between:

- pest situation (interpretation by the EPPO Secretariat)
- pest status (official declaration made by the country)



Interceptions (2013)

Interception reports

EPPO Reporting Service – Pests & Diseases

Pest	Consignment	Type of commodity	Country of origin	Destination	nb
Acari, Aleyrodidae	Fuchsia	Cuttings	Brazil	Italy	1
Agromyzidae	Apium graveolens	Vegetables	Cambodia	Denmark	1
Alternaria	Mandevilla sanderi	Cuttings	Brazil	Italy	1
Bemisia	Rosa	Cut flowers	Kenya	Germany	2
Bemisia tabaci	Aphelandra Aster Lantana camara Lisianthus Ocimum Ocimum basilicum Ocimum basilicum Ocimum basilicum Ocimum basilicum Oxypetalum caeruleum Plectranthus	Plants for planting Cut flowers Cuttings Cut flowers Vegetables (leaves) Vegetables (leaves) Vegetables (leaves) Vegetables (leaves) Vegetables (leaves) Cuttings Cuttings	Brazil Israel Ethiopia Israel Malaysia Nigeria Colombia Israel Malaysia Japan Tanzania	Netherlands Belgium Netherlands United Kingdom United Kingdom Ireland Netherlands Germany United Kingdom Denmark Netherlands	1 1 1 1 1 1 1 1
Bemisia, Liriomyza	Ocimum basilicum	Vegetables (leaves)	Turkey	Germany	1
Clavibacter michiganensis subsp. michiganensis	Capsicum annuum, Solanum lycopersicum Solanum lycopersicum	Seeds Seeds	China China	Germany Italy	1 1
Clavibacter michiganensis subsp. sepedonicus	Solanum tuberosum Solanum tuberosum	Ware potatoes Ware potatoes	Poland Turkey	Hungary Bulgaria	1 1









Early warning: the EPPO Alert List

- Initiated in 1999
- Provides early warning
- Suggests possible candidates for Pest Risk Analysis

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Orga	European and Mediterranean P nisation Européenne et Méditerranéenne po			ocppo				
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	Q							
Home								
	EPPO Alert List		-	EPPO A				
About EPPO	last updated in 2013-02)							
Meetings								
meetings								
Plant quarantine	The purpose of the Alert List is to draw the attention of EPP							
Plant Protection	to them and achieve early warning. Pests are marked with an development within EPPO. The entry date corresponds to the							
Products			ine Erse					
	Read a short introduction on the purpose and maintenance of	f the EPPO Alert List.						
Invasive alien plants								
planes	Pest Names	Main host plants or habitats	PRA	Entry data				
Standards	Fest Names	Main host plants or habitats	PRA	Entry date				
Databases	Insects and mites							
Databases	Aproceros leucopoda (Hymenoptera: Argidae)	Ulmus		2011-09				
Publications	Aromia bungii (Coleoptera: Cerambycidae)	Prunus spp., and other fruit tree		2012-05				
Worldwide	Chrysophtharta bimaculata (Coleoptera: Chrysomelidae)	species Eucalyptus		2010-05				
activities	Enaphalodes rufulus (Coleoptera: Cerambycidae)	Ouercus rubra, O. velutina, O.		2008-09				
	<u>Enaphalodes rajatas</u> (coleoptera, cerambycidae)	coccinea		2000-07				
	Halyomorpha halys (Hemiptera: Pentatomidae)	Polyphagous		2008-10				
	Neoleucinodes elegantalis (Lepidoptera: Crambidae)	Solanaceae		2012-03				
	Oemona hirta (Coleoptera: Cerambycidae)	Polyphagous	. •	2010-10				
	Ophiomyia kwansonis (Diptera: Agromyzidae)		2013-01					

- Critically reviewed every year (when alert has been given and no further action taken, pests are deleted after 3 years on the list)
- Freely available on the EPPO website: <u>www.eppo.int</u>

European and Mediterranean Plant Protection Organization Organisation Européenne et Méditerranéenne pour la Protection des Plantes



www.eppo.org

EPPO A Alert List

It provides information on:

- distribution,
- host plants,
- biology,
- damage,
- transmission,
- pathways,
- possible risks

Ophiomyia kwansonis (Diptera: Agromyzidae)

Daylily leafminer

Why: Ophiomyia kwansonis is a leafminer of Hemerocallis species (daylilies) which until recently was only known to occur in Japan and Taiwan. In 2011, it was introduced into the USA where it spread rapidly. The same year, it was detected for the first time in Europe, in Slovenia. Considering the invasive behaviour of this new daylily leafminer, the EPPO Secretariat decided to add 0. kwansonis to the EPPO Alert List.

Where: O. kwansonis originates from Asia. In the USA, the first indication of its presence is an image taken in July 2006 in Kennebunk, Maine. In 2008, damage was noticed by daylily amateurs at a national meeting in Texas, and by 2012 it was recorded in at least 15 US states. In Slovenia, it was first found in 2011 in the city of Ljubljana, and again in 2012 in Ljubljana and its surroundings, suggesting that the pest has been able to overwinter and spread.

EPPO region: Slovenia.

Asia: Japan, Taiwan.

North America: USA (Alabama, Florida, Georgia, Louisiana, Maine, Maryland, Mississispi, North Carolina, New York, South Carolina, Pennsylvania, Tennessee, Texas, Virginia and West Virginia).





All pictures were kindly provided by Dr D Jurc (SFI, SI) - <u>View more</u> >

Information flow within EPPO



PQR Database

Plant Quarantine data Retrieval system

A database which contains information on many plant pests (EPPO A1/A2 listed pests, EU regulated pests, and some pests that regulated in other parts of the world), as well as on invasive alien plants



- Basic data (names, taxonomic position, EPPO codes)



- Host plants



- Geographical distribution



- Plant commodities liable to carry quarantine pests



- Categorization ('quarantine status')

Since September 2011 more than 21 900 downloads

http://www.eppo.int/DATABASES/pqr/pqr.htm

Links w			Print preview	ing Ser	vice
🔎 Search PQR 🛛 🕥 Droso	phila suzukii (DROSSU) 🛛 🚺 A	noplophora glabri	pennis (ANOLGL)		
			Anoplophora g	alabripennis (Al	NOLGL)
Anoplophora glabripennis EPPO Code: ANOLGL	China China	State Guizhou Hebei	Present, no details Present, no details	Distribution Current pest sit Present, few	tuation evaluated by EPPO on the basis of information dated 2008 :
Basic Data	China China China China China	Heilongjiang Henan Hubei Hunan	Present, no details	First recorded	
Distribution	China China China China China China	Jiangsu Jiangxi Jilin Liaoning Neimenggu	Present, no details		small population found in a small avenue over a length of a few 100 m, ar the German border, in Oberösterreich). All infested trees were
Distribution Map	China China China China China China	Ningxia Qinghai Shaanxi Shandong Shanxi	Present, no details		still confined to Braunau. Number of infested trees has declined. still confined to Braunau. Number of infested trees declined from 2001 to
Categorization	China China China Japan Japan	Sichuan Yunnan Zhejiang Honshu	Present, no details Present, no details Present, no details Absent, pest eradicated Absent, pest eradicated	References * NPPO of Aus	EPPO Reporting Service
Hosts	Korea Dem. People's Republic Korea, Republic Taiwan		Present, no details Present, no details Absent, invalid record		<u>2001/135</u> First report of Anoplophora glabripennis in Austria The NPPO of Austria recently informed the EPPO Secretariat of the introduction of Anoplophora glabripennis (Coleoptera, Cerambycidae – EPPO A1 quarantine pest) in
Host Commodities	Continent : Euro Austria Belgium	ope	Present. few Present, few occurrences		Anoptophora guarpennis (Coteoptera, Ceramoycicate – EFFO AI quarantine pest) in Austria. In July 2001, the first beetles were detected in the small city of Braunau am Inn (near the German border) and a few days later they were identified as A. glabripennis by the Institute of Forest Protection. Grub holes and other symptoms were found on 40 trees (all Acer species, and mainly A. platanoides). Eradication measures were immediately taken. All infested trees and all those suspected of being infested were cut down and wood was cut into
	Cyprus Denmark France Germany Hungary		Absent, confirmed by survey Absent, confirmed by survey Present, few occurrences Present, few occurrences Absent, confirmed by survey	::: Neighbouring Cou	small pieces. All living beetles (approximately 100) which fed on the leaves and trunks were collected and killed by the Plant Protection Service. All infested trees were situated along a small avenue over a distance of a few hundred metres. Surveys were done and as of August 17 th , no other beetles were found in the city, in its surroundings nor in the state of Oberösterreich. Further monitoring will continue. This report of <i>A. glabripennis</i> in Austria

Source: NPPO of Austria, 2001-08.

Additional key words: new record

Pest status (ISPM 8)



Search	Taxonomy Explorer	Nint 🛛	Print preview	Export	1	Idmin			🀁 Settir	ngs 🕥
earch PQR 🛛 💭 Anoplo	phora glabripennis (ANOLGL)	Anoplop	hora glabripennis (Af	IOLGL) 🔤						
					[645	04] Anoplopho	ra glabripe	nnis (ANOLGL)		Clo
olophora glabripennis	Country	💂 State	Situation		Dict	ribution in Sw	utzorland			
O Code: ANOLGL	China	Heilongjiang	Present, no	details				O on the basis of information	dated 2013: Present, few occurrences	
	China	Henan	Present, no	details		recorded in: 201			udied 2015: Present, rew occurrences	
	China	Hubei	Present, no		Inst	Teconie 201	1			
Basic Data	China	Hunan	Present, no		Doct	status doclarod	by NDDO · Dro	sent, under eradication (2013	-02)	
127 661	China	Jiangsu	Present, no		<u>F C3</u>	status ucciareu	Dy MFFO. FIG	sent, under eradication (2015	02)	
	China	Jiangxi	Present, no		Com	menus				
	China China	Jilin	Present, no				etles were fou	nd in a private garden in Brün	isried (Canton of Fribourg) in September 2011. It is	suspected that the
Dia di se	China	Liaoning	Present, no Present, no					ent of granite stones imported		suspected that the
Distribution	China	Ningxia	Present, no		mset	t was introduced w	an a consignin	ent of grunne stones imported	inon cana.	
	China	Qinghai	Present, no		RS 2	11/230. dead boo	tles were disco	vered near Salenstein (Canton	of Thurgau) near a road construction site in Decem	her 2011 Probably
	China	Shaanxi	Present, no					rial accompanying granite ston		Der 2011. Frobably
	China	Shandong	Present, no		ind O	acea with wood p	ackaying mater	iar accompanying granite ston	ies imported from China.	
Distribution Map	China	Shanxi	Present, no			012/149, detected	by spiffer door	on a consignment of granite	stones at the Dhine part of Pasel (Pirsfelden), 5 Jans	and 2 nunan wor
	China	Sichuan	Present, no						stones at the Rhine port of Basel (Birsfelden), 5 larva	ae anu z pupae wen
	China	Xizhang	Present, no		Tound	a. In addition, there	e was evidence	that 2 more pupae had been	able to hatch (adult beetles were not found).	
	China	Yunnan	Present, no		DC 3	12/040, authraple	found in July 7	012 in the municipality of Wi	stathur, captan of Zürich (in 20 Acer posudanlatan)	us planted along a c
	China	Zhejiang	Present, no						nterthur, canton of Zürich (in 30 Acer pseudoplatanı	is planted along a c
Categorization	Japan		Absent, pes	street and in 1 Salix caprea). All infested trees were destroyed. Under eradication					r eradication.	
	Japan	Honshu	Absent, pest	eradicated						
	Korea Dem. People's Republic		Present, no	details		<mark>rences</mark> PO of Switzerland (2011-09, 2011	-12, 2012-05, 2013-02).		
Pests	Korea, Republic		Present, no	details						
Pests	Taiwan		Absent, inva	lid record		FERNET (last access				
	Continent : Europe								ique: premier foyer de ce parasite des arbres découv 2/index.html?lang=fr-id=41323	vert en Suisse.
	Austria		Present, few	occurrences	incep.	,		and the area and a second s	Linestandining in to TIOLO	
Hosts	Belgium		Absent, pes							
HUSES	Cyprus		Absent, con	firmed by survey						
	Czech Republic		Absent, inte	cepted only						
	Denmark		Absent, inte	rcepted only						
Host	France			nder eradication						
Commodities	Germany			nder eradication						
	Hungary			îrmed by survey						
	Italy		Present, few							
	Malta			irmed by survey	:: Ne	ighbouring Countries :::		V		
Dathwaya	Netherlands			nder eradication	ISO	Country	State	Situation		
Pathways	Norway		Absent, no p		AT	Austria	State	Present, few occurrences		
	Poland		Absent, unre		FR	France		Transient, under eradication		
	Portugal			îrmed by survey	DE	Germany		Transient, under eradication		
-	Switzerland Turkey			occurrences	Π	Italy		Present, few occurrences		
Photos	Turkey		Absent, con Present, few	firmed by survey						
9	United Kingdom United Kingdom	England	Present, few Present, few							
	Onited Kingdom	England	Present, rev	occurrences						
	61									
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Pictures, maps ...



Future plans about information sharing

Future plans: EPPO Global Database



EPPO explores new communication tools ...

But for the moment they are not used for official pest reports

- a Facebook page <u>www.facebook.com/EPPOsecretariat</u>
- a Twitter account <u>twitter.com/EPPONews</u>
- E-magazines (Scoop.it)

Pest Alerts: <u>http://www.scoop.it/t/pest-alerts</u> Pests on video: <u>http://www.scoop.it/t/pests-on-videos</u> Pest Risk Analysis: <u>http://www.scoop.it/t/pest-risk-analysis</u> Diagnostic activities for plant pests: <u>http://www.scoop.it/t/diagnostic-for-pests</u> Invasive Alien Plants: <u>http://www.scoop.it/t/invasive-alien-plants</u> Communication and citizen sciences on pests and invasive alien species: <u>http://www.scoop.it/t/communication-and-citizen-sciences-on-pests-andinvasive-alien-species</u>





Scoop.

EPPO is developing a computerized system for pest reports





to be continued...

Thank you for your attention