



*REPORT*

Virtual Meeting  
16/17 February 2012

# **Technical Panel on Phyosanitary Treatments February 2012**



Food and Agriculture Organization of the United Nations

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## **1. Opening of the meeting**

### **1.1 Orientation Refresher for GoToTraining**

Before beginning the meeting, the IPPC Secretariat gave a brief overview/refresher of the virtual meeting software connection program Go-To-Meeting (GTM) via the training tool GoToTraining and also noted the etiquette and ground rules for participants to follow during the meeting.

### **1.2 Welcome by the IPPC Secretariat**

The IPPC Secretariat welcomed the participants to the meeting. In attendance were seven members of the Technical Panel on Phytosanitary Treatments (TPPT) and the two Secretariat Leads. The other members were unable to attend due to previous engagements.

The Secretariat noted the purpose of the meeting was to discuss and update all panel members on the status of:

- the draft phytosanitary treatments (PTs) to be presented to the Standards Committee (SC)
- the PTs that were returned from the 2011 November SC e-decision
- the guidelines on treatments to be presented to the SC

The panel approved the agenda (see Appendix 1 to this report) and reviewed the documents list (see Appendix 2 to this report). Some panel members had difficulties downloading all the meeting documents from the International Phytosanitary Portal (IPP - <https://www.ippc.int/>). The panel asked the Secretariat to solve the problem before the next virtual meeting.

### **1.3 Introductions**

The meeting participants introduced themselves and agreed to update their contact information on the IPP if necessary (see Appendix 3 to this report).

## **2. Updates from the Secretariat and other relevant bodies**

There were no updates from the Secretariat or other relevant bodies since the last TPPT virtual meeting.

## **3. Discussion/status on treatments for presentation to the SC**

### **3.1 Vapour heat treatment for *Bactrocera tryoni* on *Mangifera indica* (2010-107)**

The PT leads for 2010-106 and 2010-107 gave a brief update of the treatment. At the 2010 July TPPT meeting, the panel agreed that it needed more information from the submitter to be able to develop the treatment schedules. The submitter provided information, but not all of the information requested in the TPPT Evaluation Reports.

The panel was concerned that the correct information was not sent by the submitter for both PTs (2010-106 and 2010-107), but it was suggested that perhaps the TPPT Evaluation Reports that were sent to the submitter did not explicitly specify what information was needed.

The panel considered combining the two PTs (2010-106 and 2010-107) into one PT because much of the information is the same and the references are similar. However, to do this, more information was required from the submitter. The panel agreed to request further information from the submitter regarding both treatments (2010-106 and 2010-107) and to be very specific about what information is needed.

### **3.2 Vapour heat treatment for *Ceratitidis capitata* on *Mangifera indica* (2010-106)**

For more information, see section 3.1 of this report.

### **3.3 Other treatments**

The PT lead for *Vapour heat treatment for Bactrocera cucurbitae on Cucumis melo var. reticulatus* (2006-110) noted that the TPPT responses to member comments have been finalized and the PT has been revised to include these changes. The panel recommends the PT to the SC.

## **4. Discussion/status of guidelines on treatments for presentation to the SC**

The panel discussed a format for the guidance documents. It was noted that even though each guidance document has different information, it could be useful to develop a template. The Secretariat agreed to investigate template options for these documents.

The panel was also encouraged to use figures and images in the documents, but to be sure that the owner of the figure or image has given permission to use it.

It was also noted that these would be presented to the SC, possibly via e-decision. However, the Secretariat encouraged the panel to finalize these guidance documents virtually before the 2012 December TPPT face-to-face meeting.

### **4.1 Discussion document on guidance for submitting treatments regarding soil and growing media associated with plants**

The document co-lead presented the document and noted that it still needed more work. The panel made suggestions for improvement and agreed to send any specific comments to the lead and to copy the Secretariat TPPT leads.

### **4.2 Develop guidance for NPPOs as a Guidance document/Checklist**

#### ***Cold Treatments***

The document co-lead presented the document and noted it is still in draft form. The panel made suggestions and agreed to send any specific comments to the lead and to copy the Secretariat TPPT leads.

#### ***Vapour Heat Treatments***

The document lead presented the document and recommended combining it with the guidance documents on high temperature forced air and hot water because much of the information is the same. It was suggested to combine the three and then create different sections in the document based on the different components for each treatment. However, after discussing this, it was noted that it may be confusing to the National Plant Protection Organization (NPPO) to combine the documents because it is most likely that the NPPO will refer to each separately. The panel agreed to work on the documents separately with the possibility that they be combined at a later date. The panel agreed to send any specific comments to the lead and to copy the Secretariat TPPT leads.

#### ***Forced Air Heat Treatments***

The panel had no comments on this document, but agreed to send any specific comments to the lead and to copy the Secretariat TPPT leads.

#### ***Hot Water Treatments***

The panel had no comments on this document, but agreed to send any specific comments to the lead and to copy the Secretariat TPPT leads.

#### ***Cold Treatment for Fruit***

The panel had no comments on this document, but agreed to send any specific comments to the lead and to copy the Secretariat TPPT leads.

### **4.3 Guidance Document: TPPT Criteria for Treatment Evaluation**

The document lead noted that it is intended to be a living document and should be reviewed and revised at every face-to-face TPPT meeting. The panel had no comments on this document, but agreed to send any specific comments to the lead and to copy the Secretariat TPPT leads.

### **4.4 Discussion paper on a position on hot air treatment for multiple insects, fruits, etc.**

The document lead noted that it was still in draft stage and will be presented at the next TPPT virtual meeting.

## **5. Discussion/status of cold treatments returned from November 2011 SC e-decision**

### **5.1 Cold treatment for *Ceratitis capitata* on *Citrus limon* (2007-206C)**

The panel discussed the outcome of the 2011 November SC e-decision regarding PTs 2007-206C and 2007-206G. The SC had concerns that the cold treatment would cause commodity damage the fruit.

The panel agreed to draft the TPPT's response addressing the SC's concerns about damage to the fruit. The response would be finalized at the next TPPT virtual meeting.

### **5.2 Cold treatment for *Bactrocera tryoni* on *Citrus limon* (2007-206G)**

See section 5.1 of this report.

### **5.3 Cold treatment for *Ceratitis capitata* on *Citrus reticulata* x *C. sinensis* (2007-206B)**

The PT lead noted that the efficacy data (ED values) were still pending for PTs 2007-206B and 2007-206A. Once the ED values were received, the treatments would be recommended to the SC.

### **5.4 Cold treatment for *Ceratitis capitata* on *Citrus sinensis* (2007-206A)**

See section 5.3 of this report.

## **6. 2012 Call for Phytosanitary Treatments and TPPT Experts**

### **6.1 Call for phytosanitary treatments due 1 September 2012**

The Secretariat informed the panel that data submissions for phytosanitary treatments had been called. The treatments being solicited are:

- Modified atmospheres and controlled atmospheres for fruit flies
- Soil and growing media
- Irradiation treatments

The Secretariat also noted that the TPPT can propose treatments for the call, but they should be supported by an NPPO or RPPO.

Data submissions are due by 1 September 2012 so that submitters have sufficient time to gather submission data. This also allows the panel plenty of time to evaluate the submissions in preparation for the 2012 December TPPT face-to-face meeting.

### **6.2 Consultant to assist the Secretariat in processing the submissions**

The Secretariat informed the panel that it will be hiring a consultant to assist in processing the submissions for the call for TPPT experts (see section 6.3 of this report). The panel agreed to send any suggested consultants to the Secretariat TPPT Leads for consideration.

### 6.3 Call for TPPT Experts due 1 June 2012

The Secretariat informed the panel that TPPT Experts also had been called. The expertise being solicited are:

- Two experts for five-year terms beginning in 2012 with expertise in phytosanitary treatments for wood packaging material or fruit flies
- Two experts for five-year terms beginning in 2013 with expertise in phytosanitary treatments for soil and growing media or fruit flies

Nominations are due by 1 June 2012 to allow the new experts to attend the 2012 December TPPT face-to-face meeting.

### 7. Discussion/status on Heat treatment of wood packaging material using dielectric heating (2007-114)

The PT lead for *Heat treatment of wood packaging material using dielectric heating* (2007-114) updated the panel of the recent developments in the treatment. The Technical Panel on Forest Quarantine (TPFQ) will be meeting virtually to finalize the comments on the *Revision of Annex 1 to ISPM 15:2009 - the addition of sulfuryl fluoride and microwave irradiation treatments* (2006-011). Topic 2006-011 and PT 2007-114 will both be presented to the SC. It was also noted that a guidance document was needed for the treatment. The PT lead and two panel members agreed to be part of the working group for developing the guidance document for the draft PT *Heat treatment of wood packaging material using dielectric heating* (2007-114).

### 8. Discussion of the fumigant ethanedinitrile (EDN)

The panel discussed the fumigant ethanedinitrile (EDN) as a potential replacement for methyl bromide (MeBr) fumigation. Because it is a relatively new fumigant (developed only 10-15 years ago), the panel considered this could be a good subject to request the SC add to the work programme. The panel did not have enough time to thoroughly discuss the paper, so it was deferred to a future TPPT virtual meeting.

### 9. Recommendations to the SC (if applicable)

The panel recommends the draft PT *Vapour heat treatment for Bactrocera cucurbitae on Cucumis melo var. reticulatus* (2006-110) PT to the SC.

The TPPT had no immediate recommendations to the SC. However, it was noted that the TPPT response to the 2011 November SC e-decision regarding the cold treatment of *Citrus limon* will be prepared and presented to the SC and that the draft PT *Heat treatment of wood packaging material using dielectric heating* (2007-114) will be presented to the SC.

### 10. Other business

One panel member presented a draft document titled *Study plan to validate the proposed fumigation schedule of sulfuryl fluoride for inclusion in ISPM No. 15 for eradication of pine wood nematode (Bursaphelenchus xylophilus) from wood packaging material*<sup>1</sup>. The panel agreed to send any specific comments to the lead and to copy the Secretariat TPPT leads.

### 11. Follow-up Actions for next TPPT Virtual Meeting

Please see Appendix 4 of this report. In addition, a more thorough discussion of agenda item 8 *Discussion of the fumigant ethanedinitrile (EDN)* has been deferred to a future TPPT virtual meeting.

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<sup>1</sup> 2012\_TPPT\_Feb\_07

**12. Close of the meeting**

The Secretariat thanked the panel for the good attendance at this meeting. The Secretariat noted that it would like to have a meeting before the 2012 April SC Meeting (23-27 April) to finalize the TPPT Update meeting document.

The panel agreed to adopt this meeting report via email.

**APPENDIX 1 - Agenda**

<b>AGENDA ITEM</b>	<b>DOCUMENT NO.</b>	<b>PRESENTER</b>
<b>1. Opening of the meeting</b>		
1.1 Orientation Refresher for GoToTraining	<a href="#">2012 TPPT Feb 04</a>	DUBON
1.2 Welcome by the IPPC Secretariat	<a href="#">2012 TPPT Feb 01</a> <a href="#">2012 TPPT Feb 02</a>	ZETTLER
1.3 Introductions	<a href="#">2012 TPPT Feb 03</a>	ZETTLER
<b>2. Secretariat Maintenance and Updates from relevant Bodies</b>		ZETTLER
<b>3. Discussion/status on treatments that may be ready for 2012 Member Consultation (finalize by 15 March 2012 for presentation to 2012 May SC)</b>		ZETTLER
3.1 Vapour heat treatment for <i>Bactrocera tryoni</i> on <i>Mangifera indica</i> (2010-107)	<a href="#">2010-107</a>	PARK
3.2 Vapour heat treatment for <i>Ceratitis capitata</i> on <i>Mangifera indica</i> (2010-106)	<a href="#">2010-106</a>	WOOD
3.3 Other possible treatments?		ZETTLER
<b>4. Discussion/status of guidelines on treatments (finalize by 15 March 2012 for presentation to 2012 May SC)</b>		ZETTLER
4.1 Discussion document on guidance for submitting treatments regarding soil and growing media associated with plants	<a href="#">TPPT_01</a>	CANNON/ JESSUP
4.2 Develop guidance for NPPOs as a Guidance document/Checklist		ZETTLER
❖ Cold Treatments	<a href="#">TPPT_02</a>	JESSUP/ WILLINK/ BAXTER
❖ Vapour Heat Treatments	<a href="#">TPPT_03</a>	PARK ( <i>MIZOBUCHI</i> )
❖ Forced Air Heat Treatments	<a href="#">TPPT_04</a>	ORMSBY
❖ Hot Water Treatments	<a href="#">TPPT_05</a>	CANNON/ WOOD
❖ Cold Treatment for Fruit	<a href="#">TPPT_08</a>	WOOD
4.3 Guidance Document: TPPT Criteria for Treatment Evaluation	<a href="#">TPPT_06</a>	ORMSBY
4.4 Discussion paper on a position on hot air treatment for multiple insects, fruits, etc.	<a href="#">TPPT_07</a>	JESSUP
<b>5. Discussion/status of cold treatments returned from November SC e-decision (finalize by September 2012 for SC e-decision)</b>		ZETTLER
5.1 Cold treatment for <i>Ceratitis capitata</i> on <i>Citrus limon</i> (2007-206C)	<a href="#">2007-206C</a>	No Lead (MIZO)
5.2 Cold treatment for <i>Bactrocera tryoni</i> on <i>Citrus limon</i> (2007-206G)	<a href="#">2007-206G</a>	WANG
5.3 Cold treatment for <i>Ceratitis capitata</i> on <i>Citrus reticulata</i> x <i>C. sinensis</i> (2007-206B)	<a href="#">2007-206B</a>	No Lead (MIZO)

AGENDA ITEM	DOCUMENT NO.	PRESENTER
5.4 Cold treatment for <i>Ceratitidis capitata</i> on <i>Citrus sinensis</i> (2007-206A)	<a href="#">2007-206A</a>	BAXTER
<b>6. 2012 Call for Phytosanitary Treatments and TPPT Experts</b>		DUBON
6.1 Call for phytosanitary treatments due 1 September 2012 <ul style="list-style-type: none"> <li>❖ Modified atmospheres and controlled atmospheres for fruit flies</li> <li>❖ Soil and growing media</li> <li>❖ Irradiation treatments</li> </ul>		DUBON
6.2 Consultant to assist the Secretariat in processing the submissions		DUBON
6.3 Call for TPPT Experts due 1 June 2012 <ul style="list-style-type: none"> <li>❖ Two experts for five-year terms beginning in 2012 with expertise in phytosanitary treatments for wood packaging material or fruit flies</li> <li>❖ Two experts for five-year terms beginning in 2013 with expertise in phytosanitary treatments for soil and growing media or fruit flies</li> </ul>		DUBON
<b>7. Discussion/status on Heat treatment of wood packaging material using dielectric heating (2007-114)</b>		ORMSBY
7.1 Email from Ms Kelli Hoover	<a href="#">2012 TPPT Feb 05</a>	ORMSBY
7.2 Verbal update on TPPT response to member comments and working with Steward on the revision of Annex 1 to ISPM 15		ORMSBY
<b>8. Discussion of the fumigant ethanedinitrile (EDN)</b>	<a href="#">2012 TPPT Feb 06</a>	ZETTLER
<b>9. Recommendations to the SC (if applicable)</b>		ZETTLER
<b>10. Other business</b>	<a href="#">2012 TPPT Feb 07</a>	ZETTLER
<b>11. Follow-up Actions for next TPPT Virtual Meeting</b>		ZETTLER
<b>12. Close of the meeting</b>		ZETTLER

## APPENDIX 2 – Documents List

DOCUMENT NUMBER	AGENDA ITEM	DOCUMENT TITLE (PREPARED BY)	DATE POSTED / DISTRIBUTED
<b>Draft ISPMs</b>			
<a href="#">2007-206A</a>	05.4	Cold treatment for <i>Ceratitidis capitata</i> on <i>Citrus sinensis</i> (2007-206A) (BAXTER)	2012-02-10
<a href="#">2007-206B</a>	05.3	Cold treatment for <i>Ceratitidis capitata</i> on <i>Citrus reticulata</i> x <i>C. sinensis</i> (2007-206B) (No Lead – MIZO)	2012-02-10
<a href="#">2007-206C</a>	05.1	Cold treatment for <i>Ceratitidis capitata</i> on <i>Citrus limon</i> (2007-206C) (No Lead – MIZO)	2012-02-10
<a href="#">2007-206G</a>	05.2	Cold treatment for <i>Bactrocera tryoni</i> on <i>Citrus limon</i> (2007-206G) (WANG)	2012-02-10
2010-106	03.2	Vapour heat treatment for <i>Ceratitidis capitata</i> on <i>Mangifera indica</i> (2010-106) (WOOD)	(not posted, in draft stage)
2010-107	03.1	Vapour heat treatment for <i>Bactrocera tryoni</i> on <i>Mangifera indica</i> (2010-107) (PARK)	(not posted, in draft stage)
<b>All Other Meeting Documents</b>			
<a href="#">2012_TPPT_Feb_01</a>	01.2	Agenda (DUBON)	2012-02-10
<a href="#">2012_TPPT_Feb_02</a>	01.2	Documents List (DUBON)	2012-02-10
<a href="#">2012_TPPT_Feb_03</a>	01.3	Participants List (DUBON)	2012-02-10
<a href="#">2012_TPPT_Feb_04</a>	01.1	Virtual meeting information (DUBON)	2012-02-10
<a href="#">2012_TPPT_Feb_05</a>	07.1	Email from Ms Kelli Hoover (DUBON)	2012-02-10
<a href="#">2012_TPPT_Feb_06</a>	07.2	Email regarding the fumigant ethanedinitrile (EDN) (DUBON)	2012-02-10
<a href="#">2012_TPPT_Feb_07</a>	10.0	Study plan to validate the proposed fumigation schedule of sulfuryl fluoride for inclusion in ISPM No. 15 for eradication of pine wood nematode ( <i>Bursaphelenchus xylophilus</i> ) from wood packaging material (ORMSBY)	2012-02-16
<a href="#">TPPT_01 to 08</a>	04.1 to 04.4	Guidelines on treatments (Various Leads)	Various

**APPENDIX 3 – Participants List**

<b>PARTICIPANT ROLE</b>	<b>NAME, MAILING, ADDRESS, TELEPHONE</b>	<b>EMAIL ADDRESS</b>	<b>TERM EXPIRES</b>
<b>Steward</b>	Mr Antarjo DIKIN Director Applied Research Institute of Agricultural Quarantine Kab. Bekasi 17520, West Java INDONESIA  Mob: +62 813 99155774 Tel: +62 21 82618923	<a href="mailto:antario_dikin@yahoo.com">antario_dikin@yahoo.com</a> ; <a href="mailto:buttmkp@deptan.go.id">buttmkp@deptan.go.id</a> ;	NA
<b>Member</b>	Mr Andrew JESSUP Senior Research Horticulturist NSW Department of Primary Industries Locked Bag 26, GOSFORD NSW 2250 AUSTRALIA  Tel: +02 4348 1965	<a href="mailto:andrew.jessup@industry.nsw.gov.au">andrew.jessup@industry.nsw.gov.au</a> ;	2014 – 1st Term
<b>Member</b>	Mr Michael ORMSBY Senior Adviser, Plant Risk Analysis Biosecurity New Zealand Ministry of Agriculture & Forestry P.O Box 2526, Wellington, NEW ZEALAND  Tel: +64 4 8940486	<a href="mailto:Michael.Ormsby@maf.govt.nz">Michael.Ormsby@maf.govt.nz</a> ;	2013 – 1st Term
<b>Member</b>	Mr Min-Goo PARK Division of Pest survey and Control National Plant Quarantine Service Ministry of Agriculture and Forestry Anyang-6 dong, Anyang city, Gyeonggi Prov. P.O. 430-016 REPUBLIC OF KOREA  Ph: +82 31 441 6982	<a href="mailto:mgpark@npqs.go.kr">mgpark@npqs.go.kr</a> ;	2014 – 1st Term
<b>Member</b>	Mr Eduardo WILLINK Estación Experimental Agroindustrial Obispo Colombres, P.O.Box 9, Las Talitas (4101) Tucumán ARGENTINA  Tel: +54 381-4276561 ext. 154	<a href="mailto:ewillink@eeaoc.org.ar">ewillink@eeaoc.org.ar</a> ; <a href="mailto:ewillink@arnet.com.ar">ewillink@arnet.com.ar</a> ;	2013 – 1st Term

<b>Member</b>	<p>Mr Scott WOOD Center for Plant Health Science Technology Plant Protection and Quarantine Animal and Plant Health Inspection Service U.S. Department of Agriculture 1730 Varsity Drive, Suite 400 Raleigh, NC 27606-5202 USA</p> <p>Tel: +1 919 855 7451</p>	<a href="mailto:Scott.Wood@aphis.usda.gov">Scott.Wood@aphis.usda.gov</a>	2013 – 1st Term
<b>Member</b>	<p>Mr Wang YUEJIN Institute of Inspection Technology and Equipment Chinese Academy of Inspection and Quarantine No. 241 Huixinli, Chaoyang District, Beijing 100029 CHINA</p> <p>Tel: +86 10 64934647</p>	<a href="mailto:wangyuejin@263.net.cn">wangyuejin@263.net.cn</a>	2013 – 1st Term
<b>IPPC Secretariat</b>	<p>Mr Larry ZETTLER International Plant Protection Convention Food and Agriculture Organization of the United Nations 920 Rahn Station Rd Rincon, GA 31326 USA</p> <p>Tel: +1 912 754 9907 Mob: +1 912 547 9677</p>	<a href="mailto:Larry.Zettler@fao.org">Larry.Zettler@fao.org</a>	NA
<b>IPPC Secretariat</b>	<p>Ms Stephanie DUBON International Plant Protection Convention Food and Agriculture Organization of the United Nations Viale delle Terme di Caracalla 00153 Rome ITALY</p> <p>Tel: +39 06 5705 3806</p>	<a href="mailto:Stephanie.Dubon@fao.org">Stephanie.Dubon@fao.org</a>	NA

## APPENDIX 4 - 2012 Intersession Work Programme

### Follow-up Actions for next TPPT Virtual Meeting

DUE DATE	AGENDA ITEM	RESPONSIBLE	ACTION	RELEVAN TREATMENT/ DOCUMENT
23 March 2012	NA	Secretariat	Resolve issues of download meeting documents from the IPP	NA
23 March 2012	3.1 and 3.2	WOOD/PARK	The PT leads for 2010-106 and 2010-107 will draft a letter to be sent to the submitter asking for the specific information needed	2010-106 and 2010-107
23 March 2012	4.	Secretariat	The Secretariat agreed to investigate templates for the guidance documents	TPPT_Guidance_01 to 08
23 March 2012	4.4	JESSUP	The document lead noted that it was still in draft stage and will be presented at the next TPPT virtual meeting	TPPT_Guidance_07
23 March 2012	5.1 and 5.2	JESSUP (with review by WOOD and ORMSBY)	Two panel members agreed to draft a response addressing the SC's concerns about damage to the fruit	2007-206C and 2007-206G
1 May 2012	6.2	All members	Send any suggested consultants to the Secretariat TPPT Leads for consideration	NA
1 May 2012	7.	ORMSBY, WOOD and WANG	Developing a guidance document for the draft PT <i>Heat treatment of wood packaging material using dielectric heating</i> (2007-114)	2007-114
1 September 2012	3.3	Secretariat	The Secretariat will submit the PT <i>Vapour heat treatment for Bactrocera cucurbitae on Cucumis melo var. reticulatus</i> (2006-110) to the SC for an e-decision	2006-110
1 September 2012	4.	All members	Finalize the guidance documents virtually before the 2012 November SC Meeting	TPPT_Guidance_01 to 08
1 September 2012	5.3 and 5.4	JESSUP	The PT lead noted that the efficacy data (ED values) were still pending for PTs 2007-206B and 2007-206A. Once the ED values were received, the treatments would be recommended to the SC	2007-206A and 2007-206B
1 September 2012	6.1	All members	TPPT to submit data in response to the call for PTs	NA