



*REPORT*

Virtual Meeting  
19 October 2011

# Technical Panel on Phyosanitary Treatments October 2011



Food and Agriculture Organization of the United Nations



## **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 four of the nine members of the Technical Panel on Phytosanitary Treatments (TPPT) and the two Panel Leads for the IPPC Secretariat. Also in attendance was an invited expert, Mr Thomas Schroeder, lead for the draft ISPM *Revision of Annex 1 to ISPM 15:2009 Regulation of wood packaging material in international trade: Guidelines for heat treatment* (2006-011). Two panel members, including the Steward, were unable to attend due to problems with the internet connection and one connected panel member lost connection during the meeting. The Secretariat will aim to resolve these technical issues before the next virtual meeting so that all members are able to participate. The other three members were unable to attend due to previous engagements.

The Secretariat noted the purpose of the meeting was to finalize the TPPT response to member comments regarding the draft phytosanitary treatments *Heat treatment of wood packaging material using dielectric heat* (2007-114) and *Vapour heat treatment for Bactrocera cucurbitae on Cucumis melo var. reticulatus* (2006-110).

The Panel approved the agenda (see appendix 1 to this report) and reviewed the documents list (see appendix 2 to this report).

### **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. SECRETARIAT MAINTENANCE**

### **2.1 List of topics for IPPC standards relevant to the TPPT (as of October 2011)**

The Secretariat reviewed the List of topics for IPPC standards relevant to the TPPT. At the 2010 TPPT Meeting in Kyoto, the TPPT requested the Secretariat to send letters to phytosanitary treatment submitters asking for further information on submitted treatments. The Secretariat received responses on only four treatments. Therefore, the Secretariat proposed to the TPPT that the treatments for which no response was received be deleted from the work programme. The Secretariat will present these deletions to the SC at its November meeting.

## **3. DISCUSSION: RESPONSES TO MEMBER COMMENTS**

### **3.1 Heat treatment of wood packaging material using dielectric heat (2007-114)**

The treatment lead briefly summarized the key substantive comments.

Some of the member comments suggested supplementary operational information be included in the treatment, but the treatment lead considered it was not appropriate to include this information in the treatment. It was suggested proposing to the SC some guidelines or an annex or appendix be developed to address these issues.

Another major concern with the treatment was whether it is appropriate to recommend treatments that are not supported by industry. The panel discussed whether the treatment is feasible for industry. It was noted that, if this treatment is approved, it would increase industry interest to begin investing in this new technology.

The member comments also noted the cost-effectiveness issues of this new technology and the panel noted that, particularly if industry begins investing in this new technology, cost will eventually decrease.

It was noted that, for other phytosanitary treatments, many alternatives exist, and members have the option to choose one or a few treatments, all of which have been proven. However, in this case, there are no adopted alternatives to methyl bromide (MeBr) fumigation or kiln treatment. The panel considered this treatment will benefit members. It was noted that there will be some challenges with this new technology, but adopting this treatment could encourage development of more alternative treatments to MeBr fumigation.

### ***Henin et al. Implementing a Microwave Irradiation Treatment of Wood Packaging Material in ISPM15: Practical Issues of Concern***

The treatment lead noted that while the paper supports dielectric heating, it recognizes some operational challenges with dielectric heating. There were concerns in the member comments about the effectiveness of the treatment on frozen wood because dielectric properties of ice are very different from those of liquid water. One panel member proposed to add to the treatment schedule either a minimum temperature of the wood prior to beginning treatment or an exclusion for frozen wood. It was questioned whether it was common practice to apply dielectric heating to frozen wood. The schedule states the need to reach and hold 60°C for 1 minute (60/1) throughout the profile of the wood within 30 minutes of commencing treatment. However, based on the laboratory trials supporting the treatment, frozen or near frozen wood would likely not achieve the treatment parameters. Instead of reducing the efficacy of the treatment, it reduces the possibility to reach 60/1 within 30 minutes. The treatment lead pointed out that commercial facilities would necessarily have to use larger ovens than those used for the development trials and would consequently meet the 30 minute maximum ramp up time. The panel concluded these issues are operational challenges rather than inappropriate treatment parameters and did not add a minimum temperature for wood or an exclusion for frozen wood to the treatment schedule.

The panel acknowledged ice acts differently in microwave, but as long as treatment parameters are met, the treatment should be effective in reducing the likelihood of introduction and spread of Asian longhorned beetle (*Anoplophora glabripennis*) (ALB), pinewood nematode (*Bursaphelenchus xylophilus*) (PWN) and those pests likely to be associated with wood packaging material in international trade.

The TPPT, based on the discussion during this meeting, will finalize the draft treatment and the TPPT responses to member comments. The treatment, along with the TPPT responses to the member comments, will be submitted to the SC for approval via e-decision.

### **3.2 Vapour heat treatment for *Bactrocera cucurbitae* on *Cucumis melo* var. *reticulatus* (2006-110)**

This item was deferred to the next virtual meeting as the treatment lead was unable to attend this meeting.

#### **4. RECOMMENDATIONS TO THE SC**

#### **5. OTHER BUSINESS**

The treatment lead for the draft treatment *Sulfuryl flouride fumigation of wood packaging material* (2007-101) noted that research is continuing, based on the letter sent by the Secretariat to the National Plant Protection Organizations (NPPOs) of Japan and Germany (see 2011 July TPPT Virtual Meeting report). It was noted that data will not be available until the end of 2011, at the earliest.

#### **6. FOLLOW-UP ACTIONS FOR NEXT TPPT VIRTUAL MEETING**

The panel will discuss the TPPT responses to member comments on the draft *Vapour heat treatment for Bactrocera cucurbitae on Cucumis melo var. reticulatus* (2006-110) at its next virtual meeting.

##### **6.1 TPPT Medium Term Topics and Priorities**

The panel noted the outstanding items from the 2010-2011 TPPT work plan and agreed to review these items at the next TPPT virtual meeting in November 2011.

##### **6.2 TPPT 5-year plan**

The panel agreed to review the TPPT 5-year plan at the next TPPT virtual meeting in November 2011 and to make any adjustments as necessary.

##### **6.3 List of topics for IPPC standards relevant to the TPPT (as of October 2011)**

The Secretariat reviewed the List of topics for IPPC standards relevant to the TPPT. The panel agreed to review the list at the next TPPT virtual meeting in November 2011. All members are expected to provide updates on their treatments at the November 2011 virtual meeting.

#### **7. CLOSE OF THE MEETING**

The TPPT agreed that upcoming virtual meetings will take place in late October (tentative) and November 2011. The IPPC Secretariat will select a date, but all members agreed to the time (12:00 to 14:00 Rome, Italy time) for that meeting.

The TPPT members will also adopt the August and October 2011 virtual meeting reports via email before the November 2011 meeting.

## Appendix 1: Agenda

AGENDA ITEM	DOCUMENT NO.	PRESENTER
<b>1. Opening of the meeting</b>		
1.1 Orientation Refresher for GoToTraining	2011_TPPT_Oct_04	DUBON
1.2 Welcome by the IPPC Secretariat	2011_TPPT_Oct_01 2011_TPPT_Oct_02	ZETTLER
1.3 Introductions	2011_TPPT_Oct_03	ZETTLER
<b>2. Secretariat Maintenance</b>		ZETTLER
2.1 List of topics for IPPC standards relevant to the TPPT (as of October 2011)	2011_TPPT_Oct_05 Table 3	ZETTLER
<b>3. Discussion: Responses to Member Comments</b>		ZETTLER
3.1 Heat treatment of wood packaging material using dielectric heat (2007-114)	2007-114	ORMSBY
❖ Steward's Response to Comments	2011_TPPT_Oct_07	ORMSBY
❖ Jean-Marc et al. Implementing a Microwave Irradiation Treatment of Wood Packaging Material in ISPM15: Practical Issues of Concern	2011_TPPT_Oct_08	ORMSBY
3.2 Vapour heat treatment for <i>Bactrocera cucurbitae</i> on <i>Cucumis melo</i> var. <i>reticulatus</i> (2006-110)	2006-110	WANG
❖ Steward's Response to Comments	2011_TPPT_Oct_06	WANG
<b>4. Recommendations to the SC</b>		ZETTLER
<b>5. Other business</b>		ZETTLER
<b>6. Follow-up Actions for next TPPT Virtual Meeting</b>		ZETTLER
6.1 TPPT Medium Term Topics and Priorities	2011_TPPT_Oct_05 Table 1	ZETTLER
6.2 TPPT 5-year plan	2011_TPPT_Oct_05 Table 2	ZETTLER
6.3 List of topics for IPPC standards relevant to the TPPT (as of October 2011)	2011_TPPT_Oct_05 Table 3	ZETTLER
<b>7. Close of the meeting</b>		ZETTLER

**Appendix 2: Documents List**

<b>DOCUMENT NUMBER</b>	<b>AGENDA ITEM</b>	<b>DOCUMENT TITLE (PREPARED BY)</b>	<b>DATE POSTED / DISTRIBUTED</b>
<b>Draft ISPMs</b>			
2006-110	03.2	Draft ISPM: Vapour heat treatment for <i>Bactrocera cucurbitae</i> on <i>Cucumis melo</i> var. <i>reticulatus</i> (2006-110) (WANG)	2011-10-17
2007-114	03.1	Draft ISPM Heat treatment of wood packaging material using dielectric heat (2007-114) (ORMSBY)	2011-10-17
<b>All Other Meeting Documents</b>			
2011_TPPT_Oct_01	01.2	Agenda (ZETTLER)	2011-10-17
2011_TPPT_Oct_02	01.2	Documents List (ZETTLER)	2011-10-17
2011_TPPT_Oct_03	01.3	Participants List (ZETTLER)	2011-10-17
2011_TPPT_Oct_04	01.1	Virtual meeting information (DUBON)	2011-10-17
2011_TPPT_Oct_05	06	Follow-up Actions for next TPPT Virtual Meeting (ZETTLER)	
2011_TPPT_Oct_06	03.2	Steward's Response to Comments: Vapour heat treatment for <i>Bactrocera cucurbitae</i> on <i>Cucumis melo</i> var. <i>reticulatus</i> (2006-110) (WANG)	2011-10-17
2011_TPPT_Oct_07	03.1	Steward's Response to Comments: Draft ISPM Heat treatment of wood packaging material using dielectric heat (2007-114) (ORMSBY)	2011-10-17
2011_TPPT_Oct_08	03.1	Jean-Marc et al. Implementing a Microwave Irradiation Treatment of Wood Packaging Material in ISPM15: Practical Issues of Concern (ORMSBY)	2011-10-17

### Appendix 3: Participants List

Participant role	Name, mailing, address, telephone	Email address	Term expires
<b>Member</b>	<p>Mr Michael <b>ORMSBY</b> Senior Adviser, Plant Risk Analysis Biosecurity New Zealand Ministry of Agriculture &amp; Forestry P.O Box 2526, Wellington, <b>NEW ZEALAND</b></p> <p>Tel: +64 4 8940486</p>	<a href="mailto:Michael.Ormsby@maf.govt.nz;">Michael.Ormsby@maf.govt.nz;</a>	2013 – 1st Term
<b>Member</b>	<p>Mr Min-Goo <b>PARK</b> 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 <b>REPUBLIC OF KOREA</b></p> <p>Ph: +82 31 441 6982</p>	<a href="mailto:mgpark@npqs.go.kr;">mgpark@npqs.go.kr;</a>	2014 – 1st Term
<b>Member</b>	<p>Mr Eduardo <b>WILLINK</b> Estación Experimental Agroindustrial Obispo Colombres, P.O.Box 9, Las Talitas (4101) Tucumán <b>ARGENTINA</b></p> <p>Tel: +54 381-4276561 ext. 154</p>	<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 <b>WOOD</b> 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 <b>USA</b></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>Participant role</b>	<b>Name, mailing, address, telephone</b>	<b>Email address</b>	<b>Term expires</b>
<b>Invited Expert</b>	Mr Thomas <b>SCHRÖDER</b> Scientist/project manager Julius Kuhn-Institut Federal Research Centre for Cultivated Plants Institute for Plant Health Messeweg 11/12 38104 – Braunschweig GERMANY  Tel: (+49) 531 299 3381	<a href="mailto:thomas.schroeder@jki.bund.de">thomas.schroeder@jki.bund.de</a> ;	NA
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