



REPORT

Virtual Meeting
23 January 2014

Technical Panel on Phytosanitary Treatments January 2014



Food and Agriculture Organization of the United Nations

CONTENTS

- 1. Opening of the Meeting3
- 2. Update from Relevant Bodies.....3
- 3. TPPT Work Programme5
- 4. Other Business6
- 5. Close of the Meeting and Feedback.....8

APPENDIXES

- Appendix 1: Agenda.....9
- Appendix 2: TPPT Work Programme10

1. Opening of the Meeting

The IPPC Secretariat (hereafter Secretariat) welcomed the participants to the meeting and participants introduced themselves. The following persons participated in the meeting:

Mr Patrick GOMES (TPPT Member) USA

Mr Michael ORMSBY (TPPT Member) New Zealand

Mr Eduardo WILLINK (TPPT Member) Argentina

Mr David REES (TPPT Member) Australia

Mr Guy HALLMAN (TPPT Member) USA

Mr Andrew JESSUP (TPPT Member) Australia

Mr Artur SHAMILOV (IPPC Secretariat Lead)

Ms Adriana MOREIRA (IPPC Secretariat)

Mr Riccardo MAZZUCHELLI (IPPC Secretariat)

The panel approved the agenda (Appendix 1) and Mr Eduardo WILLINK was elected as rapporteur.

The IPPC Secretariat gave a brief overview presentation of the virtual meeting tool Adobe Connect.

2. Update from Relevant Bodies

IPPC Secretariats

Expert Consultation on Cold Treatments

The Secretariat reported on results of the Expert Consultation on Cold Treatments (ECCT) which was held 3-7 December 2013 in Buenos Aires, Argentina.

The TPPT was informed that ECCT participants agreed that continued work on cold treatments and networking among researchers would be useful. The meeting participants agreed to form a new group that would also cover all phytosanitary temperature treatments. The group was named “Phytosanitary Temperature Treatments Expert Group” (PTTEG) and a Terms of Reference and Rules of Procedures¹ were developed. The scope of this group would be extended to all phytosanitary treatments in order to provide a mechanism where critical phytosanitary treatment issues could be addressed through discussion and collaborative research, and where scientific analysis and review of global phytosanitary treatment issues and new information would be undertaken.

The Secretariat mentioned that the PTTEG selected Mr Guy HALLMAN (TPPT member) as the Chairperson for further meetings. A meeting of PTTEG is scheduled for August 2015 in Nelspruit (South Africa).

Three of the TPPT members who participated in the ECCT meeting noted that coordination, meeting arrangements, and translation services were provided to a high level and quality. They also highlighted that the ECCT meeting not only provided an opportunity for sharing information but also a learning opportunity for even experienced experts.

¹ TORs and ROPs are available at: <https://www.ippc.int/partners/international-organizations/phytosanitary-temperature-treatments-expert-group>

The TPPT members also noted that the creation of the PTTEG would provide an opportunity for experts to meet on a regular basis as well as work inter-sessionally.

International Forest Quarantine Research Group (IFQRG)

The Secretariat noted that an IFQRG meeting was held in China in October 2013 and that there were several presentations related to forest quarantine research, such as on management of pine wood nematode (PWN), wood treatments experiments such as vacuum/steam treatment, and the efficacy of Sulfuryl fluoride (SF) against pathogens under laboratory conditions.

Upcoming Standards Committee (SC) e-decisions on treatments for MC

The Secretariat noted the draft phytosanitary treatments² that are likely to be submitted via e-decision for SC approval for member consultation in 2014.

SC November 2013

SC recommendations for new topics to be added to the List of topics for IPPC standards

The TPPT was informed that the SC recommended all topics submitted by the TPPT (with support from several NPPOs and RPPOs) on requirements for treatments noting that contracting parties had requested such standards in previous member consultations.

The SC also agreed to recommend to the Commission on Phytosanitary Measures (CPM) to:

- delete all treatment topics from the *List of topics for IPPC standards*;
- add the term “*effective dose*” as a subject under the Technical Panel for the Glossary (TPG).

CPM-9 (April, 2014) will consider the SC recommendations.

Draft phytosanitary treatments to CPM-9 (2014) for adoption: 2007-206C, 2007-206G and 2007-212

The Secretariat explained that due to a technical comment received on the draft Cold treatment for *Ceratitidis capitata* on *Citrus reticulata* cultivars and hybrids (2007-212), the SC had agreed that the TPPT should review the treatment in relation to this issue.

For draft cold treatments on *Citrus limon* for *Ceratitidis capitata* (2007-206C) and *Bactrocera tryoni* (2007-206G) the SC noted that the mandate of the TPPT is to analyze data presented in PT submissions, and determine whether the proposed treatments are feasible and that the TPPT had done its expected work. The SC therefore recommended the cold treatment for *Ceratitidis capitata* on *Citrus limon* (2007-206C) and cold treatment for *Bactrocera tryoni* on *Citrus limon* (2007-206G) to the CPM for adoption.

Call for Experts

In response to the call for experts for the TPPT, the SC was not able to recommend anyone with expertise in phytosanitary treatments for soil and growing media and agreed to place the following experts with terms beginning in November 2013:

- Mr Scott MYERS (USA) (with expertise in phytosanitary treatments of wood)
- Mr David REES (Australia) (with expertise in modified atmosphere treatments)

The TPPT:

noted the updates.

² 03_TPPT_2014_Jan

3. TPPT Work Programme

Update from treatment leads

One treatment lead informed the panel that it had been agreed at the 2013 July TPPT meeting that specialists in *Bursaphelenchus xylophilus* (PWN) would be contacted to confirm the PWN life-cycle response to temperature proposed in the SF treatment proposal. While some discussions were completed via email, the opportunity for further discussions at a meeting of PWN experts in Europe was not possible. Further discussions would be attempted before the TPPT meeting in June 2014.

The Secretariat lead for the Technical Panel on Diagnostic Protocols (TPDP) noted that there is a diagnostic protocol for PWN and contact information of the PWN specialist can be passed to the treatment lead if needed.

There were no additional updates from TPPT members.

The Secretariat reminded the panel that the final deadline for treatment submitters to send additional information is 1 May 2014. An email reminder will be sent to them on 1 April 2014.

*Member comments on Draft Annex to ISPM 28:2007: Irradiation for *Dysmicoccus neobrevipes*, *Planococcus lilacinus* and *Planococcus minor* (2012-011)*

The Secretariat informed the panel that 80 comments were received during the member consultation period in 2013. The compiled comments were forwarded to the treatment lead who will draft the TPPT response to the comments by the next face to face meeting of the TPPT (June 2014).

Due to the amount of work the treatment lead has, the Secretariat decided to assign an assistant lead for this treatment to support responding to the members comments.

The TPPT:

assigned Mr Guy Hallman as assistant lead for Draft Annex to ISPM 28:2007 Irradiation for *Dysmicoccus neobrevipes*, *Planococcus lilacinus* and *Planococcus minor* (2012-011).

agreed to submit to the Secretariat a draft TPPT response to the member comments by 1 June 2014.

Treatment portfolios

The Secretariat informed the panel that the treatment portfolios will be sent to the treatment leads in order for them to be updated before the TPPT face-to-face meeting in June 2014.

The TPPT:

agreed to update relevant treatment portfolios and submit them to the Secretariat by 1 June 2014.

Revision to the TPPT position paper on adult emergence after irradiation

The lead for this position paper introduced an updated version of the paper.

The TPPT thanked the lead and noted that the updated version of the paper presents new information from published research that shows that irradiation of insects at all life stages likely to be found infesting horticultural commodities, with the exception of some lepidopteran pupae and adults, may be a satisfactory quarantine treatment.

It was agreed that a major problem with some irradiation treatments is the survival of sterile adults without visible (easily detectable) changes. These adults could be detected at or post-border creating some concerns for regulatory agencies.

It was suggested that further information could be added to the position paper on the percentage of live adults that remain able to fly after irradiation treatments, as this may provide stronger confidence in the treatments.

The Secretariat stressed that during the upcoming SC e-decision on approval of phytosanitary treatments for member consultation, the phytosanitary treatment on Irradiation for *Ostrinia nubilalis* (2012-009) will be discussed and this TPPT position paper can facilitate the SC discussion.

The TPPT:

agreed to finalize the TPPT position paper on on adult emergence after irradiation and submit an updated a version to the Secretariat by 4 February 2014.

4. Other Business

TC-RPPO concern on not acceptance by TPPT treatments based on historical data

Secretariat informed the panel about concerns raised at the 25th Technical Consultation among Regional Plant Protection Organizations (TC-RPPO) on the non-acceptance by the TPPT of experience or historical-based phytosanitary treatments. The TC-RPPO requested that the Secretariat inform the SC about this concern.

Several TPPT members noted that the TPPT previously worked on this issue and drafted a statement on this point at a previous meeting (Report TPPT Kyoto July 2010).

Members explained that the problem with historical data is the need to provide efficacy data to support the treatment. ISPM 28:2007 indicates that historical data may only be of value when combined with experimentally produced efficacy data.

The Secretariat recommended opening a new discussion forum in order to finalize the TPPT position paper on this issue and assigned Mr Mike Ormsby (New Zealand) as lead to revise the paper and submit it to the Secretariat.

The TPPT:

agreed to submit the TPPT position paper on acceptance by TPPT treatments based on historical data to the Secretariat for further forum discussion.

Further expert consultations

The TPPT was informed that Japan had offered to host an Expert Consultation on phytosanitary treatments for *Bactrocera dorsalis* complex in December 2014 in Okinawa.

One member noted that the FAO had several projects on *Bactrocera dorsalis* and a list of experts that work with this subject may be available. The member suggested that the Secretariat contact relevant FAO divisions to see if such a list was still available.

The Secretariat initiated a discussion on the organization of another expert consultation for phytosanitary treatments and two approaches were presented to be considered by the TPPT:

- The expert consultation will be organized in an area that lacks research in order to encourage treatment developers to work on the development of treatments within the area.
- The expert consultation will be organized in an area where many treatments have been developed, but where there is inconsistency that prevents harmonization..

There was a discussion on whether expert consultations on phytosanitary treatments need to be organized based on commodity types or treatment types, with plants for planting provided as an example of a commodity type. It was stressed that the plants for planting area is very important and that phytosanitary treatments for this type of commodity should be developed as part of a systems approach because it would allow efficacies other than probit 9 to be accepted. It was noted that the treatments for plants for planting need to be targeted on bacteria and fungi as they are of primary concern with this type of commodity.

It was agreed that it would be useful to organize an expert consultation for phytosanitary treatments targeting plants for planting.

Another suggestion was to organize an expert consultation for alternatives to methyl bromide treatments for wood packaging materials. This would be useful once the annex (*Criteria for treatments for wood packaging material in international trade* (2006-010) to ISPM 15:2009 (*Regulation of wood packaging material in international trade*) was adopted in order to encourage treatment developers to submit more treatments in response to the call for treatments.

Another suggested approach was to base an expert consultation on a specific pest and the treatments to control that pest.

It also was discussed whether expert consultations need to be organized in areas where new ISPMs on treatment requirements are submitted by the TPPT and subsequently recommended by the SC for adoption by the CPM. This would help collect available information for developing treatment requirements for modified atmospheres, fumigation, temperature treatments and chemical treatments.

It was noted that it should not be a problem with fumigation because there were many documented requirements and procedures for methyl bromide fumigation as well as for other fumigants. However, the panel felt that it would be useful to collect information on modified atmospheres in order to use it in the development of treatment requirements.

In regards to the chemicals used for phytosanitary treatments, it was suggested that additional information may be necessary to set up treatment requirements because of their broad spectrum and requirements for the chemicals that are applied in each country.

The panel agreed that it would be useful to have an expert consultation on chemicals that are used for phytosanitary treatments.

Finally, the panel agreed that this subject requires further discussion within the panel.

TPPT meeting reports approval

The TPPT approved the TPPT meeting reports³ from the following meetings, subject to amendments raised during by the panel at his meeting and during earlier forum discussions:

- 2013 June TPPT virtual meeting
- 2013 July TPPT meeting
- 2013 September TPPT virtual meeting

Next meeting date

The next TPPT virtual meeting was scheduled for 29 April 2014. This meeting will be centred on the organization of the TPPT June 2014 meeting in Indonesia.

The Secretariat stressed that for the TPPT June 2014 meeting the deadline for submitting discussion papers is 1 June 2014.

The Secretariat informed the panel that the local information and invitation letter for this meeting will be sent out soon.

Guidance to the treatment submitter

The Secretariat reminded the panel that, at its July 2013 meeting, the TPPT agreed to provide guidance to the submitting country of the high temperature forced air treatment for *Bactrocera melanotus* and *B. xanthodes* (Diptera: Tephritidae) on *Carica papaya* (2009-105). The guidance would cover the

³Posted on TPPT restricted work area: <https://www.ippc.int/work-area-pages/2014-january>

panels views on the research required to extend the treatment to other fruit fly species and hosts of interest in international trade.

The TPPT assigned a lead and assistant lead, and asked them to provide a draft guidance paper to the TPPT for review.

The TPPT:

assigned Andrew Jessup as lead and Mike Ormsby as assistant lead for preparing a draft guidance paper on topic 2009-105.

agreed to discuss the draft guidance during the next meeting of the TPPT.

5. Close of the Meeting and Feedback

The panel agreed to adopt the meeting report via a TPPT forum.

The Secretariat thanked the members for their participation and closed the meeting.

Appendix 1: Agenda**2014 January TPPT Virtual Meeting****AGENDA***(last updated 2013-01-16)*

AGENDA ITEM	DOCUMENT NO.	PRESENTER
1. Opening of the meeting	-	SHAMILOV
<ul style="list-style-type: none"> Welcome by the IPPC Secretariat Virtual meeting information for Adobe Connect Introductions Adoption of the agenda and Election of Rapporteur 	02_TPPT_2014_Jan 01_TPPT_2014_Jan	SHAMILOV
2. Updates from relevant Bodies		SHAMILOV
<ul style="list-style-type: none"> IPPC Secretariat SC November 2013 	03_TPPT_2014_Jan	SHAMILOV
3. TPPT Work Programme		
<ul style="list-style-type: none"> Updated from treatments leads Member comments on Draft Annex to ISPM 28:2007: Irradiation for <i>Dysmicoccus neobrevipes</i>, <i>Planococcus lilacinus</i> and <i>Planococcus minor</i> (2012-011) Treatment portfolios to be updated TPPT position paper on adult emergence after irradiation 	03_TPPT_2014_Jan 04_TPPT_2014_Jan	ALL SHAMILOV SHAMILOV SHAMILOV JESSUP
4. Other business	-	
<ul style="list-style-type: none"> TC-RPPO concern on not acceptance by TPPT treatments based on historical data Further expert consultations TPPT meeting reports approval Next meeting date 	03_TPPT_2014_Jan	SHAMILOV SHAMILOV ALL SHAMILOV
5. Close of the meeting and feedback	-	SHAMILOV

Appendix 2: TPPT Work Programme

TPPT work programme 2013-2014

Updated: After 2014 January TPPT virtual meeting (strikethrough actions are done)

2013 DUE DATE	RESPONSIBLE	ACTION
Ongoing	SHAMILOV	Investigate storage location for for TPPT relevant docs, templates, working docs, etc.
19 Jul	SHAMILOV	Share proposed ISPMs for guidelines for treatments with Indonesia, AU, EU, USA, RPPOs asking for support by 5 August
26 Jul	ALL MEMBERS	Schedules coming out of the 2013 TPPT meeting
31 Jul	JESSUP	Revision of TPPT position paper on adult emergence in irradiation treatments posted on IPP forum for TPPT discussion
31 Jul	ALL MEMBERS	Treatment Evaluations for 2013 TPPT meeting report
1-15 Aug	SHAMILOV/ ALL MEMBERS	Forum: TPPT working criteria for evaluating treatments – forum discussion and approval (All members)
1-15 Aug	ALL MEMBERS	Forum: for schedules coming out of 2013 TPPT meeting
1-21 Aug	ALL MEMBERS	Forum: 2013 TPPT meeting report open for discussion
15 Aug	All members	TPPT virtual meeting (Adobe Connect)
31 Aug	SHAMILOV	Send requests for information to submitters
31 Aug	SHAMILOV	Submissions for Call for Topics due
15-30 Sep	SHAMILOV	Forum: TPPT June Virtual meeting report discussion
1-7 Oct	ALL MEMBERS	Forum: 2013 TPPT meeting report open for approval
15 Oct	SHAMILOV	2013 TPPT meeting report posted
17 Oct	All members	TPPT virtual meeting (Adobe Connect)
1 Nov	ALL MEMBERS	Update treatment portfolio from 2013 Meeting
2-6 Dec	SOME MEMBERS	ECCT meeting in Buenos Aires, Argentina
20 Dec	SHAMILOV/ ALL MEMBERS	Training on IPPC Online Comment System
2014 DUE DATE	RESPONSIBLE	ACTION
16-23 Jan	All members	TPPT virtual meeting (Adobe Connect)
4 Feb	JESSUP	TPPT position paper on adult emergence after irradiation treatments Submitted to the Secretariat
3-10 Feb	All	Forum: 2014 January TPPT Virtual meeting report discussion
17-24 Feb	All	Forum: 2014 January TPPT meeting report approval
28 Feb	SHAMILOV	2014 January TPPT meeting report is posted
1 Apr	ORMSBY	Instruction to assist in proper and complete submissions
1 Apr	ORMSBY	Submit to the Secretariat Draft TPPT response on acceptance of treatments based on historical evidence
1 Apr	SHAMILOV	Send reminder for requests for information
29 Apr	ALL	TPPT virtual meeting

1 Mar	SHAMILOV	(After SC e-decision) Inform the submitter that only <i>Carica papaya</i> and <i>B. melanotus</i> and <i>B xanthodes</i> were accepted for the (2009-105)
1 Mar	SHAMILOV	(After SC e-decision) Inform the submitter that only variety Clemenules was accepted for the 2010-102
1 May	ALL MEMBERS	Submissions of Data due for 2014 TPPT meeting
1 June	JESSUP/ORMSBY	TPPT guidance to the submitting country (2009-105) on research required to extend the treatment to other fruit flies and host on interest to them in international trade
1 Jun	ALL MEMBERS	Treatment portfolios, checklists, etc. due for 2014 TPPT meeting
1 Jun	PARKER/HALLMAN	TPPT response to the member Comments on Draft Annex to ISPM 28:2007: Irradiation for <i>Dysmicoccus neobrevipes</i> , <i>Planococcus lilacinus</i> and <i>Planococcus minor</i> (2012-011)
1 Jun	ALL MEMBERS	All discussion papers due for 2014 TPPT meeting
9 Jun	SHAMILOV	All documents posted for 2014 TPPT meeting
23-27 June	All members	2014 TPPT Meeting (Indonesia)