



REPORT

Virtual Meeting
02 Dec 2015

Technical Panel on Phytosanitary Treatments December, 2015



Food and Agriculture Organization of the United Nations

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1. Opening of the meeting

The International Plant Protection Convention (IPPC) Secretariat lead for Technical Panel on Phytosanitary Treatments (TPPT) chaired the meeting and welcomed the participants. The meeting was attended by the following participants:

1. Mr Toshi DOHINO, Japan, member
2. Mr Patrick GOMES, USA, member
3. Mr Guy HALLMAN, USA, FAO/IAEA, member
4. Mr Scott MYERS, USA, member
5. Mr Mike ORMSBY, New Zealand, member
6. Mr Andrew PARKER, FAO/IAEA, member
7. Mr Jan B. ROSSEL, Steward
8. Mr Matthew SMYTH, Australia, member
9. Mr Eduardo WILLINK, Argentina, member
10. Ms Adriana G. MOREIRA, IPPC Secretariat lead
11. Mr Martin FARREN, IPPC Secretariat support

- [1] The full list of TPPT members and their contact details can be found on the International Phytosanitary Portal (IPP)¹.
- [2] The Secretariat reminded the participants of the use of the Adobe Connect tool.
- [3] The Secretariat introduced the agenda and it was adopted as presented in Appendix 1 of this report.

Election of rapporteur

- [4] Mr Guy HALLMAN (USA, FAO/IAEA) was elected as the rapporteur.

2. IPPC Secretariat Updates

Standards Committee (SC) November 2015 meeting update

- [5] The Secretariat informed the panel of the relevant decisions pertaining to the TPPT during the Standards Committee (SC) meeting in November 2015. They were informed that the SC supported a call for phytosanitary treatments (PTs) and stressed the importance of developing more phytosanitary treatments for use in international trade. However, it was highlighted that additional resources are needed. The TPPT was informed that the SC approved ink amendments for 19 adopted phytosanitary treatments regarding the changes to clarify the level of efficacy in the PTs. The SC approved modifications to the TPPT Specification TP 3² under “Participants” to include an expert from the Food and Agriculture Organization / International Atomic Energy Agency (FAO/IAEA) join division in the TPPT membership.
- [6] Other updates included some changes of PT titles in the List of topics for IPPC standards³ (“High temperature forced air treatment for *Bactrocera melanotus* and *B. xanthodes* (Diptera: Tephritidae) on *Carica papaya* (2009-105)” to “Vapour heat treatment for *Bactrocera melanotus* and *B. xanthodes* (Diptera: Tephritidae) on *Carica papaya* (2009-105)” and approved “pending status” for the following draft phytosanitary treatments due to the need for further research in relation to *Ceratitidis capitata* population response differences to cold and heat treatments based on a TPPT recommendation from the September 2015 TPPT meeting⁴:

¹ TPPT membership list: <https://www.ippc.int/en/publications/81655/>

² Specification TP 3 - Technical Panel on Phytosanitary Treatments: <https://www.ippc.int/en/publications/1308/>

³ [IPP link to List of topics](#)

⁴ 2015 September TPPT Meeting Report: <https://www.ippc.int/en/publications/81833/>

- 2010-103, 2007-206A, 2007-206B, 2007-206C, 2007-210, 2007-212, 2009-109, 2010-102 and 2010-106.

3. TPPT work programme

Draft ISPM: Requirements for the use of temperature treatments as a phytosanitary measure (2014-005)

- [7] The Secretariat recalled that the TPPT in its September 2015 meeting agreed that the Steward would work with the Assistant steward to prepare a revised draft to be discussed in this virtual meeting. The aim was to finalize the draft International Standard for Phytosanitary Measure (ISPM) for submission to the next SC May meeting and the deadline for submission to the Secretariat is 15 December 2015. It was mentioned that some panel members had provided comments to the Steward on improvements to the draft and proposals to the research protocols.
- [8] The panel members thanked the Steward and Assistant Steward for their work as the draft ISPM had improved since the last meeting. However, the panel recognized that more work was needed, to better align the wording and to develop the research guidance section further.
- [9] Other general comments were as follows:
- [10] **Scope.** It was agreed that the temperature treatments “quick freeze or cryogenic” and “joules-ohmic heating” are not part of the scope because they are not widely used as a phytosanitary measure; however discussions on whether or not to include a brief explanation about these treatments in the draft lead to conclude that there is no need to have additional text for these treatments that are not part of the scope. For the “steam” treatments, some members pointed out that in some countries they are often used for cleaning machinery and equipment. The panel reached the conclusion that due to the fact that steam is used, and if used for phytosanitary purposes, it should be included in the scope. It was noted that more examples of how steam is used in phytosanitary treatments should be clearly described in the draft. It was agreed that the some members would provide some reference material to the Steward on this matter.
- [11] **Background.** It was noted that information should be added to this section, explaining the reasons for the draft ISPM (i.e. its objectives).
- [12] **Application and type of treatments.** Discussions were made on the inclusion or not of a statement explaining that under some circumstances, after the treatment application, live but unviable target pests may be found. Noting that this statement is correct, some members however did not agree to include this in the draft because currently there are no examples of countries accepting the inclusion of such a statement and that this matter refers to the treatment endpoint that should be identified by those conducting the treatment research. Other members strongly supported the inclusion of this statement, because it is scientifically correct and a good example of how countries should harmonize their inspections. The panel finally agreed to include this statement into the draft ISPM.
- [13] **Types of Treatments - Hot water immersion.** A member suggested maintaining information on the implementation aspects of this treatment in the draft but concern was expressed on the language used to state that this treatment is less costly and less difficult than other temperature treatments. The panel agreed that the wording should be adjusted.
- [14] **Appendix - Vapour Heat Treatment (VHT) schedule requirement.** It was noted that examples could be included in an appendix, which is not a prescriptive part of the standard and some members thought it would be useful to include more examples of schedules. The panel agreed to leave it up to the Steward to revise this appendix on “schedule requirements”.
- [15] **Appendix - Research Guidance.** Some members recalled that in the TPPT September 2015 meeting it was agreed to include a section on research guidance to help ensure research was carried out in such a way that the data produced would be useful to support treatment submissions. It was noted that this section has not been developed and a TPPT small group was formed to assist the Steward and Assistant

Steward to draft this section. The small group formed was: Steward (lead), Assistant Steward, Mr Mike ORMSBY and Mr Scott MYERS.

[16] An extension to the submission date was requested and the Secretariat lead for the TPPT agreed and requested the panel to try to finish their drafting no later than 15 January 2016. This will still allow time for the draft to be forwarded to the editor, this will only allow for a short time for the edits to reviewed by the Steward and Assistant Steward in order for the 1 March 2016 posting deadline to be met. The TPPT highlighted their commitment to meeting these deadlines.

[17] The TPPT:

- (1) *Agreed* that the TPPT small group (Steward (lead), Assistant Steward, Mr Mike ORMSBY and Mr Scott MYERS) to work on the “Appendix - Research Guidance” by 15 December 2015.
- (2) *Agreed* that the Steward and Assistant Steward to revise the draft based on the TPPT comments (done at this meeting) by 15 December 2015. Then, the Steward would send the revised draft to the Secretariat for further TPPT comments.
- (3) *Asked* the Secretariat to set up a “document sharing mechanism” for this draft with the TPPT once the Steward revises the draft.
- (4) *Agreed* that the Steward and Assistant Steward to revise the draft based on the TPPT comments and provide a final version of the draft ISPM to the Secretariat by 15 January 2016⁵.

4. Other business

[18] The Secretariat mentioned that one TPPT member had some unpublished data from research conducted in his lab that could affect the treatment schedule in the draft phytosanitary treatment on Vapour heat treatment (VHT) for *Bactrocera melanotus* and *B. xanthodes* on *Carica papaya* (2009-105). It was recalled that the TPPT had finalized the responses to member comments and agreed to recommend the draft PT, as modified in the TPPT September 2015 meeting, to the SC for adoption. It was noted that this draft was presented to SC and that the SC had approved the draft PT, recommending it to CPM-11 (2016) for adoption.

[19] As from the September 2015 meeting, the TPPT acknowledged the data from the recent research, however it was felt that more information was needed as well as further discussion by the TPPT would be needed, preferably after the paper is published. It was mentioned that this information should be shared in advance of the meeting and this would allow enough time for panel members to analyze and prepare their discussion points. It was pointed out that the results may (possibly) affect treatment efficacy (due the fruit size). It was suggested that perhaps the published data could be send to the Phytosanitary Research Group (PRMG)⁶ for discussions on how this information could be more broadly applicable to other phytosanitary treatments.

[20] It was mentioned that PTs are always subject to review based on new scientific research and a contracting party would always propose that an adopted PT should be revised based on certain new research findings, and a request for a revision to a PT could be submitted in the biennial call for topics.

[21] The TPPT agreed that the IPPC standard setting procedure should be followed, noting that the draft PT had already been recommended by the SC for adoption by CPM-11 (2016), as the current treatment schedule in the draft was based on previous studies, discussions and agreement done by the panel.

5. Close of the meeting

[22] The Secretariat thanked all panel members for their participation and commitment on the development of draft ISPMs, in particular draft PTs. On another note, the TPPT noted it was the final meeting for Mr Patrick Gomes who served as a valuable member to the team. The meeting participants expressed

⁵ After this step, the draft ISPM will be sent to the IPPC editor and then further revision will be needed.

⁶ Phytosanitary Research Group (PRMG) (previously Phytosanitary Temperature Treatments Expert Group): <https://www.ippc.int/en/liason/organizations/phytosanitarytemperaturetreatmentseexpertgroup/>

gratitude for all the work done throughout his time on the panel and wished him well for the future. The Secretariat closed the meeting.

Appendix 01 - Agenda**2015 DECEMBER VIRTUAL MEETING OF THE TECHNICAL PANEL ON
PHYTOSANITARY TREATMENTS (TPPT)**

**02 December 2015
11:00 - 13:00 pm (GMT +1)**

Adobe Connect

AGENDA

AGENDA ITEM	DOCUMENT NO.	PRESENTER
1. Opening of the meeting		
<ul style="list-style-type: none"> Welcome by the IPPC Secretariat and introductions Adoption of the agenda and election of rapporteur 	02_TPPT_2015_Dec 01_TPPT_2015_Dec	MOREIRA / ALL
2. IPPC Secretariat Updates		
<ul style="list-style-type: none"> Standards Committee (SC) November 2015 meeting update 	-	MOREIRA / ROSSEL
3. TPPT work programme		
<ul style="list-style-type: none"> Draft ISPM: Requirements for the use of temperature treatments as a phytosanitary measure (2014-005) 	2014-005	WILLINK
4. Other business	-	MOREIRA
5. Close of the meeting	-	MOREIRA