



REPORT

Virtual Meeting
25 September 2014

Technical Panel on Phytopsanitary Treatments September, 2014



Food and Agriculture Organization of the United Nations

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1. Opening of the meeting

[1] The IPPC Secretariat (hereafter Secretariat) welcomed the participants to the meeting. The following persons participated in the meeting:

Mr Patrick GOMES (TPPT Member, USA)

Mr Guy HALLMAN (TPPT Member, USA)

Mr Scott MYERS (TPPT Member, USA)

Mr Michael ORMSBY (TPPT Member, New Zealand)

Mr Yuejin WANG (TPPT Member, China)

Mr Eduardo WILLINK (TPPT Member, Argentina)

Mr Andrew PARKER (TPPT Invited Expert, International Atomic Energy Agency (IAEA))

Mr Nuri NIYAZI (IPPC Secretariat)

Ms Adriana MOREIRA (IPPC Secretariat)

[2] The panel approved the agenda (Appendix 1) and Mr Patrick Gomes was elected as rapporteur.

2. IPPC Secretariat Updates

Status of draft treatments recommended to Standards Committee

[3] The Secretariat reported that three draft phytosanitary treatments recommended by the Technical Panel on Phytosanitary Treatments (TPPT) in its 2014 June meeting¹ had been approved by the Standards Committee (SC) for the member consultation period starting 1 July 2015 through recent e-decisions:

- (1) Sulfuryl fluoride fumigation of insects in debarked wood (2007-101A)
- (2) Sulfuryl fluoride fumigation of nematodes and insects in debarked wood (2007-101B)
- (3) Vapour heat treatment for *Bactrocera tryoni* on *Mangifera indica* (2010-107)

[4] The TPPT was informed that a further draft treatment recommended by the TPPT in its 2014 June meeting had recently been submitted to the SC for approval for member consultation starting 1 July 2015 through an e-decision forum:

- (4) Heat treatment of wood using dielectric heating (2007-114)

[5] The Secretariat advised that several comments were received by SC members and that the subsequent minor modifications to the draft treatment made by the treatment lead in response to these comments would imminently be circulated to the TPPT for their review and approval before submitting the modified draft treatment to the SC for a poll on approval for member consultation.

[6] The Secretariat conveyed that a fifth draft treatment, recommended by the TPPT in its 2014 June meeting to the SC for adoption, was presently under discussion in an SC e-decision forum and the Secretariat noted that it would duly inform the TPPT of the outcome after its closure:

- (5) Irradiation Treatment for *Dysmicoccus neobrevipes*, *Planococcus lilacinus* and *Planococcus minor* (2012-011)

[7] The TPPT was informed that a further set of three draft treatments recommended by the TPPT for adoption would be re-submitted to the SC after finalisation of the TPPT responses to the formal

¹ [2014 June TPPT meeting report](#)

objections received prior to CPM-9 (2014) (see section 3.1.) These three draft PTs received formal objections alongside an additional four draft phytosanitary treatments in 2014;

- (6) Cold treatment for *Bactrocera tryoni* on *Citrus sinensis* (2007-206E)
- (7) Cold treatment for *Bactrocera tryoni* on *Citrus reticulata* x *C. sinensis* (2007-206F)
- (8) Cold treatment for *Bactrocera tryoni* on *Citrus limon* (2007-206G)

Request to treatment submitter for additional information

- [8] The Secretariat reported that a letter was issued on 17 July 2014 to the submitter of “Vapour heat treatment for *Mangifera indica* var. Manila Super” (2009-108), reiterating the earlier request by the Secretariat (in a letter dated 30 August 2013) for further clarification on the additional information the submitter had provided. Enclosed with the letter was the Treatment Evaluation by the TPPT. The submitter was requested to address all the issues identified in the evaluation and to provide the Secretariat with the required information by 1 May 2015 to allow the TPPT to evaluate the treatment submission at its next meeting. The submitter was advised that the treatment submission would be recommended for deletion from the List of Topics for IPPC Standards if no response had been received by the latter date.

Status of Draft Specification

- [9] The TPPT was advised that the draft specification *Requirements for the use of phytosanitary treatments as phytosanitary measures*, developed by the Secretariat with support from the TPPT and presented to the SC at its 2014 May meeting, had been submitted to the SC in an e-decision forum after revision of the draft specification by the TPPT steward in consideration of SC members’ comments. The outcome of the e-decision forum was the approval by the SC of the draft specification for the member consultation period starting 20 December 2015.

Status of Paper on TPPT Procedure

- [10] The Secretariat updated that, following the 2014 May SC meeting², SC members’ comments were received by the Secretariat and the TPPT Steward on the paper *TPPT procedure for reviewing and accepting data to support historical-based phytosanitary treatments*. It was informed that this issue will be discussed in a future SC meeting.

3. TPPT Work Programme

3.1 TPPT Responses to Formal Objections to Draft Treatments

- [11] The Secretariat introduced the two pertinent documents: (i) TPPT responses drafted during the 2014 June TPPT meeting to address the formal objections to seven phytosanitary cold treatments received prior to CPM-9 (2014)³; (ii) TPPT member comments submitted in a subsequent TPPT email forum discussion on this topic⁴. The Secretariat noted that the TPPT was to finalise these draft responses to the formal objections, to be presented to the SC for approval in conjunction with submission of the relevant draft phytosanitary treatments.
- [12] One member outlined the comments and suggested that mention be made in the responses to formal objections to the draft Cold treatment for *Ceratitidis capitata* on *Citrus paradisi* (2007-210) of the two datasets for grapefruit (*Citrus paradisi*), so as to differentiate those for sweet oranges (*Citrus sinensis*). Regarding the differences in treatment duration indicated in the datasets, the member suggested that the same wording be used to indicate deferral of treatment recommendation as in other draft treatments for which the TPPT had decided in its 2014 June meeting to conduct further analysis, namely: “*The TPPT is aware of the two data sets [for grapefruit] that indicate two different treatment*

² SC May 2014 Report is available at <https://www.ippc.int/publications/2014-05-report-standards-committee>

³ 03_TPPT_2014_Sep

⁴ 04_TPPT_2014_Sep

durations and has decided to defer recommendation of the treatment schedule pending further analysis of these studies.”

[13] The TPPT:

- (9) *agreed* with the additional modifications of the draft TPPT responses to formal objections received for the draft cold treatments, namely the mention of two datasets for *Citrus paradisi* and of the need for further analysis of the studies indicating two different treatment durations.
- (10) *invited* the SC to review the TPPT responses to the formal objections on cold treatments received before CPM-9 (2014) for their endorsement, in conjunction with submission of the relevant draft phytosanitary treatments.

3.2 Technical Support Document for Glossary Definition of Effective Dose

[14] The Secretariat introduced the documents⁵ and noted that following the discussions by the Panel on this topic at the 2014 June TPPT meeting, an email discussion forum was held on the paper *Technical Support Document for Glossary Definition of Effective Dose*, as revised by the TPPT lead in accordance with the meeting outcomes. The Secretariat noted that further discussion by the Panel was required to arrive at an agreed definition or wording to describe ‘efficacy’.

[15] The TPPT lead steered the pursuant discussion. In view of the prior email exchange and extensive deliberations had at the 2014 June meeting, a consensus was swiftly reached to use the following simplified wording:

- (11) There is 95% confidence that the treatment according to this schedule [kills/inactivates/removes/rendering infertile/devitalizes] not less than [e.g. 99.9963%] of [a description of target pest(s) and life stage(s) etc].

[16] It was clarified by the Secretariat that, since a definition of the term ‘effective dose’ (ED) would not be recommended to the SC for consideration of the Technical Panel for the Glossary for inclusion in ISPM 5: *Glossary of phytosanitary terms*, it would be sufficient to present the revised paper *Technical Support Document for Glossary Definition of Effective Dose* to the SC at its 2015 May meeting only, as part of the updates and reporting by Technical Panels.

[17] One member suggested a recommendation to the SC to consider minor ink amendments to ISPM 28 so as to match the text used to describe the level of efficacy in its existing annexes with the proposed new wording above. This was agreed by the panel.

[18] The Secretariat suggested that the TPPT recommendation to amend efficacy descriptions in ISPM 28 be included in its paper *Technical Support Document for Glossary Definition of Effective Dose*, to be presented to the SC at its 2015 May meeting.

[19] The TPPT:

- (12) *agreed* for the TPPT member lead to revise the paper *Technical Support Document for Glossary Definition of Effective Dose* to reflect the above discussion outcomes for review by the panel at its next virtual meeting, tentatively scheduled for 19 December 2014.

3.3 Characterisation of heated air treatments

[20] The Secretariat introduced the paper *Characterisation of heated air treatments*⁶ and noted that several comments were received in the e-discussion forum that had been open for two weeks prior to this meeting. The TPPT member lead thanked the panel for the comments received on the draft document to date.

⁵ 05_TPPT_2014_Sep and 05a_TPPT_2014_Sep

⁶ 06_TPPT_2014_Sep

[21] The member that had submitted comments in the draft document highlighted several of the points he had raised. He suggested that the example given for a high temperature forced air treatment (HTFA) schedule be one for a phytosanitary treatment annexed to ISPM 28, such as the treatment submission currently in draft status. The member also commented that mention of treatment examples should not be limited to one specific country only but include others known to have approved HTFA treatments. The lead TPPT member agreed that the pool of such examples could be broadened but cautioned not to include example schedules taken from candidate treatments for ISPM 28 until such time as they have been adopted.

[22] Secondly, it was queried whether the effect of periodic heating versus continuous heating should be taken into consideration when listing the factors that may affect efficacy of commercial heated air treatments, as it may be useful for the operational implementation to be aware of efficacy effects of potential drops/spikes below/above the target temperature. The lead TPPT member explained that this issue constitutes an unknown factor in treatment efficacy and that the document could mention this and suggest that such temperature deviations be listed in the treatment protocols in terms of their frequency and duration.

[23] Thirdly, in the Concluding Observations section of the draft document where minimum threshold conditions and efficacy requirements are discussed vis-à-vis pest infestation levels in commercially traded commodities, the member considered that, in addition, the volume of trade constitutes an important factor in determining levels of efficacy required by importing countries. He also sought clarification as to the intended practice the document lays out for determining minimum thresholds, i.e. whether it is the most extreme dose recording or the mean/median of all recordings. The lead TPPT member noted the former comment and clarified that in his view the issue of minimum thresholds should be discussed in depth by the TPPT at its next face-to-face meeting as a separate topic relevant to all phytosanitary treatments and suggested that it could therefore be removed from the *Characterisation of heated air treatments*. It was agreed that in the meantime the lead TPPT member would revise the draft *Characterisation of heated air treatments* based on the comments received by email and made during the present discussion.

[24] The TPPT:

- (13) *agreed* for the TPPT member lead to revise the paper *Characterisation of heated air treatments* in consideration of comments received from TPPT members and that the paper remains on the work programme for possible consideration at future virtual meetings before a thorough review at the next face-to-face meeting.

3.4 Instructions to assist NPPOs and RPPOs in proper and complete submissions

[25] The lead TPPT member introduced the paper⁷ and welcomed the comments received by TPPT members in the e-forum discussion. He highlighted that the draft *Instructions to assist NPPOs and RPPOs* needed further revision and consolidating, in part based on comments received.

[26] The TPPT:

- (14) *agreed* that the TPPT member lead would continue to work on the draft *Instructions to assist NPPOs and RPPOs* and that it would be circulated to the TPPT for an online discussion before the next virtual meeting, with the intention of finalizing the document for submission to the SC at its 2015 May meeting.

3.5 TPPT recommendations for future research on HTFA treatments

[27] In the absence of the lead TPPT member the paper *TPPT recommendations for future research on high-temperature forced air (HTFA) treatments* was not reviewed at this meeting.

[28] The TPPT:

⁷ 07_TPPT_2014_Sep and 07a_TPPT_2014_Sep

- (15) *agreed* that members will forward comments to the TPPT member lead on the draft paper *TPPT recommendations for future research on high-temperature forced air (HTFA) treatments*, who will revise it further before opening an online discussion forum prior to the next virtual meeting.

4. Other Business

4.1 TPPT Annual Work Programme

- [29] The Secretariat noted that all agreed tasks since the June 2014 face-to-face meeting⁸ had been accomplished and that the only outstanding item for the next TPPT virtual meeting was the development of a paper on the *Use of extrapolation to estimate treatment efficacies*. The lead TPPT member proposed to prepare a draft of this paper in time to open an online discussion forum prior to the next virtual meeting.

5. Close of the meeting

- [30] The next TPPT virtual meeting was reconfirmed to be held on 16 December 2014.
- [31] The panel agreed to adopt the meeting report via a TPPT forum.
- [32] The Secretariat thanked the members for their participation and closed the meeting.

⁸ [2014 June TPPT meeting report](#)

Appendix 1: Agenda

AGENDA ITEM	DOCUMENT NO.	PRESENTER
1. Opening of the meeting		NIYAZI
<ul style="list-style-type: none"> Welcome by the IPPC Secretariat Virtual meeting information for Adobe Connect Adoption of the agenda and Election of Rapporteur 	02_TPPT_2014_Sep 01_TPPT_2014_Sep	
2. IPPC Secretariat Updates		NIYAZI
<ul style="list-style-type: none"> Status of draft treatments recommended to SC Request to treatment submitter for additional information Status of Draft Specification: Requirements for the use of phytosanitary treatments as phytosanitary measures Status of TPPT Position Paper: Acceptance of experience or historical-based phytosanitary treatments 		
3. TPPT Work Programme		
3.1 TPPT Response to Formal Objections to Draft Treatments	03_TPPT_2014_Sep 04_TPPT_2014_Sep	NIYAZI/ALL
3.2 Technical Support Document for Glossary Definition of Effective Dose	05_TPPT_2014_Sep	ORMSBY
3.3 Characterisation of heated air treatments	06_TPPT_2014_Sep	HALLMAN/JESSUP/ MYERS
3.4 Instructions to assist NPPOs and RPPOs in proper and complete submissions	07_TPPT_2014_Sep	ORMSBY
3.5 TPPT recommendations for future research on HTFA treatments	08_TPPT_2014_Sep	JESSUP
4. Other business		
<ul style="list-style-type: none"> Work programme Next virtual meeting 		
5. Close of the meeting and feedback		NIYAZI

Appendix 2: TPPT Work Programme 2014-2015

2014 DUE DATE	RESPONSIBLE	ACTION
4 July	Niyazi/all members	2015 Meeting Date Confirmation
4 July	Niyazi	Editing of the TPPT response to FOs
4 July	Treatment leads	Finalisation of Treatment Evaluations for the 2014 TPPT meeting report
11 July	All members	Finalisation of the TPPT response to FOs
11 July	Niyazi	Issuance of final notice letter to submitter of topic 2009-108 (Vapour heat treatment for <i>Mangifera indica</i> var. Manila Super)
4 July	Shamilov	Forum for Meeting Report opens
17 July	All members	Finalisation and approval of the 2014 Meeting Report
23 July	Shamilov	Posting of 2014 Meeting Report
Aug.	Niyazi/ All members	Forum discussion on TPPT position paper on "Characterisation of heated air treatments"
1 Sep.	Jessup	Revision of "TPPT recommendations for future research on HTFA treatments"
1 Sep.	Ormsby	Revision of "Technical Support Document for Glossary Definition of Effective Dose"
TBD	Niyazi/ All members	Forum discussion on "TPPT recommendations for future research on HTFA treatments"
Early Sep.	Niyazi/ All members	Forum discussion on position paper on "instructions to assist NPPOs and RPPOs in proper and complete submissions"
	Ormsby	Revision of position paper on "instructions to assist NPPOs and RPPOs in proper and complete submissions" (to be attached to call for treatments later)
	Rossel	<i>Liaison with SC members for any additional comments and revision of "Draft specifications for ISPM: Requirements for the use of phytosanitary treatments as phytosanitary measures (2014-008)"</i>
25 Sep.		TPPT virtual meeting (Adobe Connect)
Nov.	Jessup	Revised draft "TPPT recommendations for future research on HTFA treatments"
Nov.	Ormsby	Revised draft "Instructions to assist NPPOs and RPPOs" submitted to Secretariat
Nov./Dec.	All	Forum: "Instructions to assist NPPOs and RPPOs"
Nov./Dec.	All	Forum: "TPPT recommendations for future research on HTFA treatments"
Dec.	Ormsby	Revision of "Technical Support Document for Glossary Definition of Effective Dose" submitted to Secretariat
Dec.	Hallman	Development of position paper on the use of extrapolation to estimate treatment efficacies

Open-ended	Hallman	Revision of draft "Characterisation of heated air treatments" (<i>possible consideration at upcoming virtual meetings before a thorough review at the next face-to-face meeting</i>)
16 Dec (tent.)		TPPT virtual meeting (Adobe Connect)
2015 DUE DATE	RESPONSIBLE	ACTION
24 March (tent.)		TPPT virtual meeting (Adobe Connect)
End-June		TPPT virtual meeting (Adobe Connect)
End-Sept.		TPPT virtual meeting (Adobe Connect)
26-30 Oct.		2015 TPPT Meeting (Japan)