



REPORT

Virtual Meeting
03 Mar 2016

Technical Panel on Phytosanitary Treatments March, 2016



Food and Agriculture Organization of the United Nations

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1. Opening of the meeting

[1] The International Plant Protection Convention (IPPC) Secretariat (hereafter referred to as the Secretariat) lead for Technical Panel on Phytosanitary Treatments (TPPT) chaired the meeting and welcomed the following participants:

1. Mr Toshi DOHINO (Japan)
2. Mr Guy HALLMAN (USA - FAO/IAEA)
3. Mr Scott MYERS (USA)
4. Mr Mike ORMSBY (New Zealand)
5. Mr Andrew PARKER (FAO/IAEA)
6. Mr Jan B. ROSSEL (Australia, Steward)
7. Mr Matthew SMYTH (Australia)
8. Mr Wang YUEJIN (China)
9. Mr Daojian YU (China)
10. Ms Adriana G. MOREIRA (IPPC Secretariat lead)
11. Mr Martin FARREN (IPPC Secretariat support)

[2] The full list of TPPT members and their contact details can be found on the International Phytosanitary Portal (IPP)¹.

[3] The Secretariat reminded the participants of the use of the Adobe Connect tool.

[4] The Secretariat introduced the agenda and it was adopted as presented in Appendix 1 of this report.

1.1 Chair and rapporteur

[5] Ms Adriana MOREIRA and Mr Mike ORMSBY were selected as the chair and rapporteur respectively.

2. IPPC Secretariat Updates

Standards Committee (SC)

[6] The Secretariat informed the panel about the upcoming Standards Committee (SC) meeting to be held from 09 to 13 May 2016. A progress report will be presented to the SC on the activities carried out by the TPPT since the May meeting of SC in 2015. The draft International Standard for Phytosanitary Measures (ISPM) on “Requirements for the use of temperature treatments as a phytosanitary measure (2014-005)” will be presented to the SC. The Secretariat and the TPPT Steward thanked all members for their hard work and commitment, in particular to the Steward of this draft ISPM.

[7] The Secretariat informed the TPPT that specification [TP 3 \(TPPT\)](#), which was revised by the SC in its November 2015 meeting, was published. The change would now allow the FAO/IAEA joint division to have an ongoing seat on the TPPT.

Secretariat updates

[8] **CPM-11 (04 – 08 April 2016)**. The panel was informed that Commission on Phytosanitary Measures (CPM) papers are available at <https://www.ippc.int/en/core-activities/governance/cpm/>. The CPM will be invited to note the Ink Amendments on “effective dose” and adopt the following two draft PTs:

- Vapour Heat Treatment for *Bactrocera melanotus* and *B. xanthodes* on *Carica papaya* (2009-105)
- Irradiation Treatment for *Ostrinia nubilalis* (2012-009)

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

3. TPPT Work Programme

[9] The Secretariat informed the TPPT that there are four scheduled TPPT e-decisions for the first semester this year, to agree to recommend to the SC draft phytosanitary treatments (PTs) for adoption. The Secretariat reminded the panel that comments on the following four treatments, which had gone for member consultation in 2015, will need to be considered by the panel:

- Sulfuryl fluoride fumigation of insects in debarked wood (2007-101A)
- Sulfuryl fluoride fumigation of nematodes and insects in debarked wood (2007-101B)
- Heat treatment of wood using dielectric heating (2007-114)
- Vapour heat treatment for *Bactrocera tryoni* on *Mangifera indica* (2010-107)

[10] It was noted that the next TPPT virtual meeting is scheduled to 05 July 2016. The Secretariat suggested the possibility of including on the agenda a discussion of the results from the IAEA/FAO joint division research on *Ceratitis capitata* population response differences to cold and heat treatments.

[11] Participants were reminded of the 15 draft PTs and 5 draft ISPMs under the TPPT work programme. The TPPT was reminded of the upcoming face to face meeting (29 August – 02 September 2016) and requested that all draft ISPMs and draft PTs to be sent to the IPPC Secretariat by 22 July 2016. This is to ensure sufficient time for the Secretariat to process and format the drafts and for meeting participants to prepare for the meeting.

4. Follow-up on actions from the TPPT September 2015 meeting

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

[12] It was noted that a potential call for phytosanitary treatments is foreseen for 2017 (subject to resources). The panel was asked to revise the document on instructions to assist NPPOs and RPPOs when submitting treatments. The Secretariat pointed out that this document, although already familiar to the panel, should be revised and updated and ready to be applied should a call take place in 2017.

[13] Mr Ormsby introduced the document². It was recalled that the TPPT had discussed this paper in previous meetings. The discussion was focused around additional text that was added to the paper to update it and to align it with other procedures. Based on previous discussions, new sections were added including a reference section which incorporated the Abbott paper³ as this was deemed to be an important reference.

[14] **General considerations when calculating the level of efficacy achieved by a treatment schedule.** Regarding the section “General considerations when calculating the level of efficacy achieved by a treatment schedule” there were comments on the estimated treated number from control emergence, also referring to documents 04_TPPT_2016_Mar and 05_TPPT_2016_Mar (see section below on “Estimating treated numbers from control emergence” for further details). It was pointed out that more discussion and examples should be given on how the use of this formula could affect the estimated number.

[15] **Submission form for phytosanitary treatments.** The panel provided some editorial adjustments to the submission form.

² 03_TPPT_2016_Mar

³ Abbott W. S. 1925. A method of computing the effectiveness of an Insecticide. Journal of Economic Entomology 18: 265-267.

[16] **Prioritization score sheet for phytosanitary treatments.** It was noted that the “Prioritization score sheet for phytosanitary treatments” should be the one adopted by the CPM in 2008, however revised by the TPPT in 2009 as presented in the document and in the procedure manual.

[17] The TPPT:

- (1) *agreed* with the revised text on “Submission form for phytosanitary treatments” and “Prioritization score sheet for phytosanitary treatments”.
- (2) *invited* the Secretariat to update the TPPT working procedures in the IPPC Procedure Manual for standard setting in its next version, accordingly.

Estimating treated numbers from control emergence

[18] The TPPT reviewed the paper⁴ and the supporting document provided⁵. The panel briefly discussed this issue and the general principle of applying an adjustment to the estimate of treated pests when the estimation is based on the means of control data. The panel agreed that the paper provided a suitable derivation, however the panel felt that these calculations were based on a very conservative view, noting that they did not find that treatment failure was necessarily due to lack of severity but possibly due to operational errors⁶.

[19] It was mentioned that the panel had previously asked for clarification on the “in-trial” variations (variation between repetitions within trials), for example the ages of the colonies. It was suggested that a table be prepared showing multiple examples of estimated numbers of treated pests using both direct and modified (formula) calculations. The examples will enable the panel to understand how use of the formula is affected by in-trial variation. The TPPT reviewed the document but did not reach a decision on whether to include this paper in the TPPT working procedures as more discussion is needed on the effect of the use of the formula to estimate treatment efficacy under the specified circumstances.

[20] The TPPT:

- (3) *noted* the papers providing the derivation of the formula for estimating treated pests numbers from control emergence.
- (4) *asked* Mr Ormsby to prepare a table showing multiple examples of estimated numbers of treated pests using both direct and modified (formula) calculations.
- (5) *agreed* to discuss the issue of estimating treated numbers from control emergence in the next virtual meeting or in a e-forum the justification for using the formula for this purpose.
- (6) *agreed* with the revised “Instructions to assist NPPOs and RPPOs in proper and complete treatment submissions”, with the exception for the section on “General considerations when calculating the level of efficacy achieved by a treatment schedule” (final decision deferred.).

5. Other Business

[21] Members were informed that the 2015 meeting report of the Phytosanitary Temperature Treatments Expert Group (PTTEG), now named Phytosanitary Measures Research Group (PMRG), has been published⁷.

⁴ 04_TPPT_2016_Mar

⁵ 05_TPPT_2016_Mar

⁶ See 2015-09 TPPT Meeting Report for further information: <https://www.ippc.int/en/publications/81833/>

⁷ PTTEG meeting report: <https://www.ippc.int/en/liason/organizations/phytosanitarymeasuresresearchgroup/>

6. Closing of the meeting

[22] The Secretariat thanked all panel members and the TPPT Steward for their participation in the meeting and for their contributions towards the development of science-based phytosanitary treatments and related ISPMs. The Secretariat closed the meeting.

Appendix 01 - Agenda**2016 MARCH VIRTUAL MEETING OF THE TECHNICAL PANEL ON
PHYTOSANITARY TREATMENTS (TPPT)****03 March 2016****Time: 12:00 – 14:00 (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_2016_Mar 01_TPPT_2016_Mar	MOREIRA / ALL
2. IPPC Secretariat Updates		
<ul style="list-style-type: none"> Standards Committee (SC) Secretariat updates 	-	ROSSEL / MOREIRA
3. TPPT work programme		
<ul style="list-style-type: none"> Reports on individual PTs and draft ISPMs status by treatment leads (status of drafts) 	-	MOREIRA / ALL
4. Follow-up on actions from the TPPT September 2015 meeting⁸		
<ul style="list-style-type: none"> Instructions to assist NPPOs and RPPOs in proper and complete treatment submissions 	03_TPPT_2016_Mar Link to IPPC Procedure Manual for Standard Setting (TPPT section) ^{9 and 10}	ORMSBY
<ul style="list-style-type: none"> Estimating treated numbers from control emergence <ul style="list-style-type: none"> Assessing environmentally significant effects: a better strength-of-evidence than a single P value? (Supporting document) 	04_TPPT_2016_Mar 05_TPPT_2016_Mar	ORMSBY
5. Other business	-	MOREIRA
6. Close of the meeting	-	MOREIRA

⁸ Link to TPPT September 2015 meeting report: <https://www.ippc.int/en/publications/81833/>

⁹ Procedure Manual for Standard Setting (TPPT section): Direct link to the Procedure Manual: <https://www.ippc.int/en/publications/81596/>

¹⁰ Procedure Manual for Standard Setting (Submission form for phytosanitary treatments and Prioritization Score Sheet for Phytosanitary Treatments): Direct links: <https://www.ippc.int/en/publications/1089/> and <https://www.ippc.int/en/publications/1090/>