



## **REPORT**

# **Technical Panel on Phytosanitary Treatments**

**Virtual meeting  
02 July 2020**

**IPPC Secretariat**

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## 1. Opening of the Meeting

### 1.1. Welcome by the IPPC Secretariat and introductions

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

1. Mr David OPATOWSKI (TPPT Steward)
2. Ms Andrea BEAM (USA)
3. Mr Toshiyuki DOHINO (Japan)
4. Mr Walther ENKERLIN HOEFLICH (IAEA)
5. Mr Peter LEACH (Australia)
6. Mr Scott MYERS (USA)
7. Mr Michael ORMSBY (New Zealand)
8. Mr Matthew SMYTH (Australia)
9. Mr Eduardo WILLINK (Argentina)
10. Mr Guy HALLMAN (Invited expert)
11. Ms Adriana MOREIRA (IPPC Secretariat, Standard Setting Officer)
12. Ms Janka KISS (IPPC Secretariat, lead)
13. Mr Artur SHAMILOV (IPPC Secretariat, support)

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

### 1.2. Adoption of the agenda and election of the rapporteur

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

[4] Ms Andrea BEAM was elected as the Rapporteur.

## 2. TPPT work programme

### 2.1 Update from the Secretariat on recent developments and TPPT work programme

[5] The IPPC Secretariat and Mr David OPATOWSKI updated the TPPT on the recent decisions and discussion of the Standards Committee in relation to the TPPT’s work programme.

[6] **Consultation.** There are 12 PTs submitted for consultation in 2020, five of them for first consultation and seven for second consultation. One of the PTs that completed first consultation in 2019 concerning *Zeugodacus tau* didn’t make it for second consultation on time, as further clarification was needed from the submitter and it was submitted only days before the meeting – and thus can only be discussed now (under agenda item 2.3).

[7] **Face to face meeting.** Due to the COVID-19 pandemic, the face-to-face meeting, planned for June 2020 is going to be held 7-11 December 2020 instead, in Vienna, Austria. This meeting will be hosted and co-organized by the Joint FAO/IAEA Division of Nuclear Techniques in Food and Agriculture. Invitations will be sent out later than usual, once the meeting is confirmed to take place.

[8] **Phytosanitary Treatment Search Tool.** It is planned to expand and include additional resources into the search tool. The Secretariat is planning to highlight again the open call for phytosanitary treatments and issue a new call for contributed resources (treatments used in international trade). The support of the TPPTs will be needed with the evaluation of these new submissions.

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

- [9] **Report to the SC on TPPT workplan<sup>2</sup>.** The SC was presented with the usual yearly report on the TPPT achievements and activities noted the work accomplished by the TPPT from May 2019 to May 2020 (via e-decision due to the cancellation of their 2020 May meeting). They noted the TPPT meeting reports, and removed from the TPPT work programme three draft phytosanitary treatments as recommended by the TPPT. They also agreed to change the priority of the following topic from 3 to 1: Revision to ISPM 18 (*Requirements for the use of irradiation as a phytosanitary measure*) (2014-007) and assigned Mr Walther ENKERLIN HOEFLICH as the assistant steward. The SC noted the TPPT tentative work plan for May 2020 to April 2021 and agreed with the TPPT recommendation to review the Annotated template for phytosanitary treatments once the workload of the TPPT allows it.
- [10] **Plant Health Conference.** The SC also agreed to the TPPT's participation in the International Plant Health Conference provided no IPPC Secretariat resources are affected.

## 2.2 Discussion on future TPPT work

### *Treatments on the work programme - Updates from Treatment Leads*

- [11] The TPPT discussed their work programme and the upcoming tasks. Each of the Treatment Leads provided an update on the PTs that haven't yet been fully evaluated and recommended for consultation due to some issues with the supporting data (e.g. waiting for clarification from the submitters). Actions were agreed on how to move forward.
- [12] **Additional call.** The TPPT agreed that it is timely to invite new submissions, as they are almost done processing of the submitted treatments.

### *Work planning (ISPM 18)*

- [13] The TPPT considered how to adapt to the new situation caused by the global pandemic of COVID-19 in order to progress with the revision of ISPM 18 (*Guidelines for the use of irradiation as a phytosanitary measure*).
- [14] They agreed to start the revisions via virtual meetings, in order to develop a final version of the draft to be approved at their face to face meeting in December 2020, and asked the Stewards to prepare a draft version to be presented to the TPPT at their next virtual meetings.

## 2.3 Irradiation treatment for *Zeugodacus tau* (2017-025)

- [15] Mr Peter LEACH, the Treatment Lead introduced the Treatment Lead summary, the compiled comments and the recently received additional information from the submitter<sup>3</sup> that was requested in order to address the outstanding comments.
- [16] The Treatment Lead recalled that the TPPT discussed the PT and the responses to consultation comments at their second meeting in February 2020<sup>4</sup> and approved the responses to consultation comments as "TPPT responses" to be presented to the SC requesting the final version to be circulated in email. The Treatment Lead requested further clarification from the submitter on 3 questions in order to provide responses to the queries of one of the consultation comments.
- [17] **Instar checks.** One of the comments questioned if it was verified which life stage of the insect was present at the time of the treatment in the dose response and the confirmatory studies. Normally instars checks are conducted at the time of the treatment and although the authors of the study in question didn't take samples of the instars, and only calculated the life stage of the instars based on the referenced study (Singh et al 2010) in their paper, upon contacting them, they provided pictures of the treated instars on day 8, that appear to be correctly identified as late third stage instars.

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<sup>2</sup> 02\_TPPT\_2020\_Jul, 03\_TPPT\_2020\_Jul

<sup>3</sup> 04\_TPPT\_2020\_Jul, 05\_TPPT\_2020\_Jul, 06\_TPPT\_2020\_Jul

<sup>4</sup> Second 2020-02 TPPT Meeting Report: <https://www.ippc.int/en/publications/88403/>

- [18] When they were queried about instar checks the submitter pointed out that “there is no requirement for keeping this kind of samples according to ISPM 28 (*Phytosanitary treatments for regulated pests*).”
- [19] The treatment lead was proposing to request the PMRG to write research guidelines for irradiation to address this issue, and the TPPT agreed to support that.
- [20] **Replicates.** The same comment also questioned whether there was a time difference between the three replicates of the dose response study, and the authors confirmed that all three replicates were treated at the same time in the same chamber.
- [21] The Treatment Lead requested to get the raw dosimetry data from the confirmatory trials to see the actual doses recorded and see if there were small variations in the doses received, even though they were treated at the same time. The submitter provided the raw data on the 1 July that is presented in Appendix 1 of 05\_TPPT\_2020\_Jul. The TPPT was invited to discuss whether this is acceptable or considered pseudo replication.
- [22] The TPPT discussed that the replication is done to capture the effect of variation, and looking at the dose mapping sheet, they identified some variation, at the same time. The TPPT also noted that although the treatment was applied to the 3 replicates at the same time in the dose response study, in the confirmatory trials they had replicated twice at separate times. Considering the large number of treated insects, the slight variation in the provided dosimetry data and the replicates were treated the same time only in the dose response studies, the TPPT agreed that the data is sufficient to support the efficacy of the treatment.
- [23] They requested the Treatment Lead to review responses to consultation comments based on the TPPTs discussion and recommend that the PMRG drafts guidelines on irradiation research.

### Recommendations

- [24] The TPPT
- (1) *approved* the responses to consultation comments on the Irradiation treatment for *Zeugodacus tau* (2017-025) as “TPPT responses” to be presented to the SC.
  - (2) *invited* to the PMRG to develop research guidelines for irradiation treatments

### 3. Close of the Meeting

- [25] The Secretariat thanked the TPPT members for their participation and closed the meeting.

**Appendix 1: Agenda****2020 JULY VIRTUAL MEETING OF THE TECHNICAL PANEL  
ON PHYTOSANITARY TREATMENTS (TPPT)****AGENDA**

AGENDA ITEM		DOCUMENT NO.	PRESENTER
1.	Opening of the meeting		
1.1	Welcome by the IPPC Secretariat		KISS / ALL
1.2	Adoption of the agenda and election of the rapporteur	01_TPPT_2020_Jul	KISS / ALL
2.	TPPT work programme	All submissions: <a href="https://www.ippc.int/en/work-area-pages/draft-phytosanitary-treatments-and-relevant-documents/">https://www.ippc.int/en/work-area-pages/draft-phytosanitary-treatments-and-relevant-documents/</a>	
2.1	Update from the Secretariat on recent developments and TPPT workprogramme <ul style="list-style-type: none"> <li>- Consultations</li> <li>- Outcome of the SC e-decisions on the TPPT work programme and the streamlining of PT development</li> </ul>	02_TPPT_2020_Jul 03_TPPT_2020_Jul	KISS / OPATOWSKI
2.2	Discussion on future TPPT work <ul style="list-style-type: none"> <li>- Treatments on the workprogramme - Updates from Treatment Leads</li> <li>- Work planning (ISPM 18)</li> </ul>	<a href="#">11_TPPT_2020_Feb (Attachment 1)</a>	ALL
2.3	Draft PT: Irradiation treatment for <i>Zeugodacus tau</i> (2017-025) <ul style="list-style-type: none"> <li>- Compiled comments</li> <li>- Responses from the submitter</li> <li>- Treatment Lead summary including the dosimetry data from submitter</li> </ul>	04_TPPT_2020_Jul 05_TPPT_2020_Jul 06_TPPT_2020_Jul	LEACH
3.	Close of the meeting	-	KISS