



REPORT

Virtual Meeting
08 December 2016

Technical Panel on Phytosanitary Treatments December, 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 “Secretariat”) lead for Technical Panel on Phytosanitary Treatments (TPPT) chaired the meeting and welcomed the following participants:

1. Mr Glenn BOWMAN (Australia)
2. Mr Toshiyuki DOHINO (Japan)
3. Mr Guy HALLMAN (FAO/IAEA)
4. Mr Scott MYERS (USA)
5. Mr Yuejin WANG (China)
6. Mr Eduardo WILLINK (Argentina)
7. Mr Daojian YU (China)
8. Mr David OPATOWSKI (Steward for the draft ISPM *Requirements for the use of fumigation treatments as a phytosanitary measure* (2014-004))
9. Ms Adriana G. MOREIRA (IPPC Secretariat lead)
10. Ms Janka KISS (IPPC Secretariat support)
11. Mr Piotr WLODARCZYK (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 TPPT Secretariat lead for the TPPT introduced the agenda and it was adopted as presented in Appendix 1 to this report.

Election of rapporteur

[4] Mr Scott MYERS was elected as the rapporteur.

2. IPPC Secretariat Updates

Updates from Relevant Meetings: Standards Committee (SC) November 2016

[5] The Secretariat updated the TPPT members on related issues that were discussed at the November SC meeting².

[6] **The IPPC Phytosanitary Treatments online search tool:** The Secretariat updated the SC on the recent development of the search tool. The SC discussed the overall scope of the tool and how the treatments would be reviewed for inclusion. The SC was supportive of the idea of the search tool. The SC agreed that as the TPPT have the most expertise in the evaluation of treatments, the review of treatments to be included in the phytosanitary resources page should be the task of the TPPT. The Secretariat will amend the TPPT specification (TP 3) to reflect this and will present it to the SC for approval.

[7] **Major issues identified on draft ISPM on Requirements for the use of temperature treatments as a phytosanitary measure (2014-005) submitted to the first consultation July 2016:**

[8] The Secretariat informed the TPPT, that the draft ISPM on *Requirements for the use of temperature treatments as a phytosanitary measure* (2014-005) is currently being revised by Mr Eduardo Willink based on consultation comments. The revised version of the draft and the responses to the comments will be submitted to the SC-7 (SC working group) in May 2017 for approval for a second consultation. Mr Ezequiel Ferro (the Steward for this draft ISPM and for the TPPT. See below) will be presenting this draft ISPM to the SC-7. The TPPT and the Steward should take into consideration the discussions of the SC as recorded in the SC November 2016 report.

[9] **Changes to the List of topics for IPPC standards (LOT):**

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

² Link to SC November 2016 meeting report: <https://www.ippc.int/en/publications/83881/>

- [10] The SC noted the changes to the titles of PTs as proposed by the TPPT and removed the topic “Cold treatment for *Ceratitits capitata* on *Citrus sinensis* var Navel and Valencia” (2010-103) from the List of topics for IPPC standards as the TPPT combined the schedule of the draft cold treatments for *Ceratitits capitata* on *Citrus sinensis* var. Navel and Valencia (2010-103) with the draft cold treatment for *Ceratitits capitata* on *Citrus sinensis* (2007-206A) (see section 5.1 of the TPPT 2016 meeting report³).
- [11] The Secretariat informed the TPPT of the changes in the Stewardship of the technical panel and that the SC assigned a lead Steward to each ISPM the TPPT is drafting, to work closely with the TPPT. This is to help ensure that during SC discussions a Steward is present to respond to SC questions. It is hoped that the TPPT lead will be able to address the technical questions with the SC Steward providing a broader overview on issues raised in the comments.
- [12] The Stewards were assigned as follows:
- [13] 2004-005. *Technical Panel on Phytosanitary Treatments*: Mr Ezequiel FERRO (Argentina) was assigned as Steward and Ms Shaza OMAR (Egypt) was assigned as Assistant Steward.
- [14] The SC discussed the Steward assignments for the five draft standards on treatment requirements and decided to have an SC member as the Steward and that the TPPT lead, who was the Steward, would now become an additional assistant Steward.
- [15] 2014-004. *Requirements for the use of fumigation as a phytosanitary measure*: Mr David OPATOWSKI (Israel) was assigned as Steward and Mr Yuejin WANG (China) was assigned as an additional Assistant Steward.
- [16] 2014-005. *Requirements for the use of temperature treatments as a phytosanitary measure*: Mr Ezequiel FERRO (Argentina) was assigned as Steward and Mr Eduardo WILLINK (Argentina) was assigned as an additional Assistant Steward.
- [17] 2014-006. *Requirements for the use of modified atmosphere treatments as a phytosanitary measure*: Ms Marina ZLOTINA (USA) was assigned as Steward and Mr Scott MYERS (USA) was assigned as Assistant Steward.
- [18] 2014-003. *Requirements for the use of chemical treatments as a phytosanitary measure*: Ms Walaikorn RATTANADECHAKUL (Thailand) was assigned as Steward and Mr Michael ORMSBY (New Zealand) was assigned as an additional Assistant Steward.
- [19] 2014-007. *Requirements for the use of irradiation as a phytosanitary measure (Revision to ISPM 18)*: Mr David OPATOWSKI (Israel) was assigned as Steward and Mr Andrew PARKER (FAO-IAEA) was assigned as an additional Assistant Steward.
- [20] The TPPT thanked the previous TPPT Steward, Mr Jan Bart ROSSEL (Australia), for his leadership over the past years and expressed sincere appreciation for his help in the development of PTs throughout the years.
- [21] The TPPT welcomed Mr Ezequiel Ferro, the new appointed TPPT Steward and Ms Shaza OMAR, the assistant Steward.
- [22] The TPPT
- (1) *Noted* the update on the IPPC phytosanitary treatments online search tool.
 - (2) *Noted* the update on the discussions of the SC on the major issues identified on draft ISPM on Requirements for the use of temperature treatments as a phytosanitary measure (2014-005).

³ Link to the 2016-09: <https://www.ippc.int/en/publications/83489/>

- (3) *Noted* the changes in the Stewards of the TPPT and the ISPMs on the requirements for the use of phytosanitary treatments as phytosanitary measures.
- (4) *Thanked* Mr Jan Bart ROSSEL for his work as the TPPT Steward and welcomed the new Stewards.

3. TPPT work programme: Draft ISPM: Requirements for the use of fumigation treatments as a phytosanitary measure (2014-004)

- [23] The Secretariat informed the participants that this draft ISPM is to be discussed by the SC in May 2017.
- [24] The new assigned Steward and the Assistant Stewards revised the draft based on the TPPT's discussions in the previous meeting.
- [25] The new assigned Steward thanked the assistant Stewards for their valuable inputs and introduced the document.
- [26] There were no general comments from the TPPT.
- [27] The Scope was modified taking into account the comments on the draft ISPM: *Requirements for the use of temperature treatments as a phytosanitary measure* (2014-005) from the consultation in 2016. The word "harmonized" was suggested to be changed to "generic". This was disputed by members, since some thought that "harmonization" was more appropriate. The TPPT concluded that neither of the words were needed. In the Background section, the word "harmonized" was removed subsequently, to be consistent with the Scope.
- [28] Since some fumigants can be introduced to the fumigation enclosure not in a gaseous form but as a liquid, a member suggested to include the words "or liquid" to incorporate the concept into the scope. The Steward highlighted that the fumigants introduced as liquids become gaseous later, so the suggestion was not incorporated.
- [29] In the section on Impacts on biodiversity and the environment the TPPT Steward suggested to change "quarantine area" to "regulated area". This is to be checked for consistency with adopted ISPMs by the Steward before the next meeting.
- [30] The treatment objective section was modified to contain less specific wording, and additional wording was proposed to enhance clarity and include the concept that fumigation can be used in combination with other phytosanitary measures.
- [31] In the section on "Treatment application" one TPPT member suggested to remove the mention of the concentration over time (CT) product because this is not the only way to measure the success of the fumigation treatments and for some treatments other parameters are used. Another TPPT member suggested that the length of time would be more appropriate in some cases (e.g. for treatments using phosphine). This has been expressed by the new, more general wording and the CT product is mentioned as an example.
- [32] In the section on "Single fumigant treatments" the TPPT agreed to remove the word "chemical", since all fumigants are chemical. The paragraph also contained examples of pest groups that certain fumigants may be effective against. The TPPT agreed to delete "insects" as these were covered by "arthropods", and add "nematodes". A list of commonly used fumigants was added to the draft as Appendix 2 prior to the meeting.
- [33] The text of the section "Combined fumigants treatments" was slightly modified to include the concept of combining fumigation treatments with other types of treatments. The title of the section was also changed prior to the meeting to "Combination treatments that include fumigants" to express this. During the meeting, the first sentence that suggested that the reason to combine fumigants was the cost effectiveness was modified to express that there are more reasons to use combinations of treatments.

- [34] As a result of further TPPT discussion this section was reorganized. The sections “Fumigant and temperature combination Treatments” and the “Fumigant and Controlled Atmosphere Combination Treatments” were moved under Combined fumigants treatments as subsections, and a new subsection was included as “Fumigation under vacuum” prior to the meeting. One of the meeting participants suggested to include another subsection on the combination of fumigants.
- [35] One TPPT member suggested that the fumigation under vacuum could be part of the section for combined fumigation treatments and controlled atmosphere treatments. It was also raised that the combination of fumigation with temperature treatments is a complicated issue, since the temperature could greatly affect the success of fumigation.
- [36] Another TPPT member expressed concern with the subsections under the “Combined fumigants treatments”, and the way the combination treatments are categorized. He explained that treatments can be combined sequentially (e.g. a fumigant treatment followed by a cold treatment) or applied at the same time (e.g. methyl bromide and phosphine fumigation). He suggested to categorize treatments along these lines. He also suggested adding a section on “sequential treatments” and move the temperature and fumigant combination treatments (e.g. cold treatment and a methyl bromide treatment) to the new section, and create separate sections for combination treatments that are conducted simultaneously, i.e. “Fumigant and controlled atmosphere combination treatments” and a section “Fumigation under vacuum”.
- [37] Pertaining to the above discussions the subsections to “Treatment types” were rearranged. Beside the “Single fumigant treatments” subsection, the modified version of the draft contains a subsection “Fumigants applied sequentially with other treatments” that has further subsections: “Fumigant and Temperature Sequential Treatments”, “Combined Fumigant Treatments”, “Fumigant and Controlled Atmosphere Combination Treatments” and “Fumigation under vacuum”.
- [38] The description and examples of the criteria for the materials the fumigation enclosure should be constructed of were added to the section on “Fumigation enclosure”. Following the Steward’s suggestion, the examples of surfaces that may not be suitable for fumigation enclosure floors (e.g. cement consolidated soil) were deleted as they might not have been clear enough.
- [39] A subsection “Pressure testing the enclosure” was added to the section “Fumigation enclosures”, containing the requirements moved from the previous section “Instruments to measure gas tightness” and specifying the requirements for the gas-tightness of the fumigation enclosure. There was a discussion on whether the required half pressure decay time of 10 seconds or more (air pressure decaying from 200 Pa to 100 Pa) should be included in the standard. The assistant Steward suggested to increase the half pressure decay time referring to requirements in practical application, and queried if it is dependent on the chamber size. The Steward suggested to increase the half pressure decay time to 30 seconds as a minimum requirement in agreement with the assistant Steward. Some TPPT members suggested to not specify the requirements in the draft since they may vary depending on the fumigant.
- [40] The Secretariat explained that the SC already had a discussion on the draft ISPM on *Requirements for the use temperature treatments as phytosanitary measures* (2014-005) and expressed concern that the draft may not contain enough requirements. The standard should determine the minimum requirements for the treatments. The Steward suggested to replace the text on half pressure decay time with a general comment and add the specific requirement on the gas-tightness as an example. Another TPPT member pointed out that the paragraph is broad enough since it starts with “where appropriate”, so the requirements should be kept. Another member suggested adding actual requirements as an annex.

4. Other business

- [41] The TPPT discussed the schedule for the development of the draft ISPM for Requirements for the use of fumigation treatments as a phytosanitary measure (2014-004). The Secretariat informed the TPPT that it would still be possible to present it to the SC May in 2017 if the panel was able to complete their revisions soon, and thus the TPPT agreed to have the next virtual meeting on 12 January 2017.

5. Close of the meeting

[42] The Secretariat thanked all TPPT members for their participation and closed the meeting.

Appendix 1: Agenda**2016 OCTOBER VIRTUAL MEETING OF THE TECHNICAL PANEL ON
PHYTOSANITARY TREATMENTS (TPPT)****8 DECEMBER 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 	02_TPPT_2016_Dec	MOREIRA / ALL
<ul style="list-style-type: none"> Adoption of the agenda and election of the rapporteur 	01_TPPT_2016_Dec	MOREIRA / ALL
2. IPPC Secretariat Updates		
<ul style="list-style-type: none"> Standards Committee (SC) November 2016 meeting update 	-	MOREIRA
3. TPPT work programme		
<ul style="list-style-type: none"> Draft ISPM: Requirements for the use of fumigation treatments as a phytosanitary measure (2014-004) 	2014-004	WANG / ORMSBY / ALL
4. Other business	-	MOREIRA
5. Close of the meeting	-	MOREIRA