



Food and Agriculture
Organization of the
United Nations



International
Plant Protection
Convention

REPORT

Technical Panel on Diagnostic Protocols (TPDP)

**Virtual Meeting
25 November 2020**

IPPC Secretariat

Required citation:

IPPC Secretariat. 2020. *Report of the meeting of the Technical Panel on Diagnostic Protocols (TPDP), 25 November 2020*. Rome. Published by FAO on behalf of the Secretariat of the International Plant Protection Convention (IPPC).

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1. Opening of the Meeting

1.1 Welcome

- [1] The Standard Setting Officer, Ms Adriana G. MOREIRA, from the International Plant Protection Convention (IPPC) Secretariat (hereafter referred to as the “IPPC Secretariat”), welcomed the participants to the third virtual meeting of the Technical Panel on Diagnostic Protocols (TPDP) in 2020 with a particular welcome to the new member Ms Colette JACONO who is an expert in Botany. It was acknowledged that Ms Geraldine ANTHOINE was not able to attend the meeting.
- [2] It was also announced that the Standards Committee (SC) at their November meeting officially assigned Mr Álvaro SEPÚLVEDA LUQUE as the new TPDP Steward.

2. Meeting Arrangements

2.1 Selection of the Chairperson

- [3] Ms Juliet GOLDSMITH (Caribbean Agricultural Health and Food Safety Agency) was selected as Chairperson.

2.2 Selection of the Rapporteur

- [4] Mr Yazmin RIVERA (U.S. Animal and Plant Health Inspection Service) was selected as Rapporteur

2.3 Adoption of the agenda

- [5] The TPDP adopted the agenda (Appendix 1).

3. Administrative Matters

- [6] The IPPC Secretariat introduced the Documents list (Appendix 2) and participants were reminded to update their contact information if necessary, as it is reflected in the TPDP membership list¹ on the International Phytosanitary Portal (IPP – www.ippc.int).

4. The TPDP Work Programme

4.1 General update on the TPDP work programme

- [7] The TPDP went through the list of current diagnostic protocols (DPs) on the work programme and the Discipline leads updated the TPDP on their topics. There are currently 19 subjects (diagnostic protocols (DPs)) in the TPDP work programme at various stages of development. These are as follows:
- (1) Genus *Ceratitis* (2016-001), priority 1 (under development)
 - (2) *Striga* spp. (2008-009), priority 1 (under development)
 - (3) Tephritidae: Identification of immature stages of fruit flies of economic importance by molecular techniques (2006-028), priority 1 (“pending status”)
 - (4) *Pyricularia oryzae* (syn. *Magnaporthe oryzae*) on *Triticum* (2019-002), priority 1 (under development)
 - (5) *Microcyclus ulei* (2019-003), priority 1 (call for authors)
 - (6) *Puccinia graminis* f. sp. *tritici* UG 99 (2019-004), priority 1 (under development)
 - (7) *Mononychelus tanajoa* (2018-006), priority 1 (under development)
 - (8) *Citrus leprosis virus* (2018-025), priority 1 (under development)
 - (9) Psyllid vectors of *Candidatus Liberibacter solanacearum* (2018-030), priority 1 (under development)
 - (10) Begomoviruses transmitted by *Bemisia tabaci* (2006-023), priority 2 (under development)

¹ TPDP membership list: <https://www.ippc.int/en/publications/81560/>

- (11) *Candidatus Liberibacter* spp. on *Citrus* spp. (2004-010), priority 2 (under development)
- (12) *Amaranthus palmeri* (2019-006), priority 2 (call for authors)
- (13) *Solanum rostratum* (2019-007), priority 2 (call for authors)
- (14) Pospiviroid species (except *Potato spindle tuber viroid* (DP 7)) (2018-031), priority 2 (call for authors)
- (15) *Acidovorax avenae* subsp. *citrulli* (2018-032), priority 2 (call for authors)
- (16) *Moniliophthora roreri* (2019-005), priority 3 (call for authors)
- (17) *Meloidogyne mali* (2018-019), priority 3 (call for authors)
- (18) *Cronartium comandrae* (2018-015), priority 4 (call for authors)
- (19) Revision of DP 5 (*Phyllosticta citricarpa* (McAlpine)) Aa, (2019-011) No priority (under development)

[8] Regarding the priority 1 subjects:

- *Pyricularia oryzae* (syn. *Magnaporthe oryzae*) on *Triticum* (2019-002), the discipline lead has contacted the authors
- *Microcyclus ulei* (2019-003), there are still no authors despite the IPPC Secretariat opening two calls for authors.
- *Puccinia graminis* f. sp. *tritici* UG 99 (2019-004), the discipline lead will reach out to the authors and hopes to have the revised draft back to the Secretariat by 10 January 2021 to open the expert consultation from 15 January – 15 February.
- *Mononychelus tanajoa* (2018-006), the discipline lead voiced concern on the status of the lead author and asked the Secretariat to follow up and try to get another email address for him. Aside from that, she noted the other authors are very committed to having the first draft to the Secretariat by 10 January 2021 to open the expert consultation from 15 January – 15 February.
- Psyllid vectors of *Candidatus Liberibacter solanacearum* (2018-030), the discipline lead noted there have been a couple of snags with this draft as the Lead Author cannot continue with the team. The drafting will continue with a three-person team but with these delays the 10 January deadline cannot be met so he suggested March 2021 as a more feasible deadline.
- *Citrus leprosis virus* (2018-025), the discipline lead had no updates since the September meeting when he mentioned that discussions need to take place with the drafting team.

[9] Regarding the priority 2 subjects:

- Begomoviruses transmitted by *Bemisia tabaci* (2006-023), the discipline lead had no updates since the September meeting. It was recalled that the TPDP saw the first draft a number of years ago but it has not been updated by the drafting group following the TPDP review and recommendations. As previously indicated, an update from TPDP members for Virology Mr Brendan RODONI and Ms Vessela MAVRODIEVA to assess the real need for this protocol is needed hence there are innumerable new publications on this virus genus. Regardless, the Secretariat noted that it needs to be presented to the SC.
- *Candidatus Liberibacter* spp. on *Citrus* spp. (2004-010), the discipline lead mentioned that this protocol is being updated with new protocols from the EUPHRESKO report and then it will come back to the TPDP for review before the TPDP recommends it to the SC for consultation period. The drafting group is working towards the 12 February 2021 deadline.

[10] In relation to the revision of DP 5 (*Phyllosticta citricarpa* (McAlpine)) Aa, (2019-011), the newly appointed discipline lead updated that panel that she has looked over all of the relevant documents and has some questions for the former discipline lead and the IPPC Secretariat on how to proceed. It was suggested they should have a separate meeting to discuss this.

- [11] Lastly, the IPPC Secretariat reminded the TPDP that they will be opening eDecisions in the coming weeks for the draft DPs that were discussed at the last TPDP virtual meeting in October 2020².

4.2 Updates on the progress of draft DP for *Striga* spp. (2008-009)

- [12] Ms Liping YIN, the discipline lead for this protocol introduced the paper which details the background information and current status the draft DP for *Striga* spp. (2008-009). She informed the TPDP that the draft was sent for consultation in July 2019 where it received a total of 242 comments from IPPC Contracting Parties (CPs) and Regional Plant Protection Organizations (RPPOs).
- [13] The lead author, the co-author and the Referee for this protocol all reviewed the compiled comments and worked on responding to country comments and updating the draft DP accordingly. There were a number of comments regarding the determination of *Striga* species which have been addressed and the lead author noted that the protocol is restricted to the three major crop pests. Suggestions of expanding the document to include all species of *Striga* were not included nor were those recommending construction of a dichotomous key for determining species.
- [14] An outstanding issue that was brought to the attention of the TPDP was the numerous comments on sampling and seed technology that the lead author believes need to be addressed by a specialist in that discipline who can provide a simple set of steps to help inspectors. These comments have yet to be addressed despite the expertise in seed technology of the group working on this draft protocol.
- [15] One TPDP member asked if anyone on the panel knew a seed specialist that could possibly review the protocol and Ms JACONO responded that she would be happy to look into this and speak with people at her agency who are looking for a good protocol on sampling. She noted that some of the country consultations comments are very helpful noting that the main concern is cargo seed but there is a point about soil that she is not sure is valid and would like clarification on.
- [16] The IPPC Secretariat clarified that soil should not be a part of the protocol as it is outside of the IPPC, meaning that trade of plants and plant products should be free of soil. It was also noted that, although the lead author recommended seed expertise, the TPDP could help make a decision on this.
- [17] To move this draft forward the TPDP recommended for the IPPC Secretariat to continue to clean up the compiled comments document and have the discipline lead and new TPDP member for Botany, Ms Colette JACONO to review these documents first before presenting them to the TPDP in an eForum. The next deadline would be by January or February to present it for the TPDP for recommendation to the SC for adoption.
- [18] In addition, the IPPC Secretariat suggested assigning Ms Colette JACONO as the Assistant Discipline Lead to support the current Discipline Lead and co-authors in moving this draft forward and the TPDP agreed.
- [19] The TPDP:
- (1) *agreed* the IPPC Secretariat should work with the Discipline leads to further review the compiled comments document and draft protocol for *Striga* spp. (2008-009) before presenting them to the TPDP in an eForum
 - (2) *Assigned* Ms Colette JACONO as the assistant discipline lead for this topic

4.3 Discussion on the scope of draft DPs: Genus *Ceratitis* (2016-001)

- [20] Mr Norman BARR presented agenda item 4.4 to continue to conversation regarding the scope change of draft DP: Genus *Ceratitis* (2016-001). Mr BARR, the lead author of this draft protocol explained the genus *Ceratitis* consists of 95 described species and the development of a protocol that includes all

² TPDP October 2020 virtual meeting report: <https://www.ippc.int/en/publications/89085/>

Ceratitis species or all *Ceratitis* pests would require extensive work, result in a relatively long document, and be relatively limited to implement in comparison to an available online, multi-entry method³.

- [21] At the TPDP October meeting, the option of having multiple protocols was discussed but the DP drafting group now proposes to focus the protocol on the most significant generalist (polyphagous) *Ceratitis* pests from a global trade perspective: *C. capitata* (Mediterranean fruit fly), *C. cosyra* (mango fruit fly), and the four species of the FAR complex: *C. fasciventris*, *C. anonae*, *C. rosa* (Natal fruit fly), and *C. quilicii*. It was noted that in addition to adult morphology, these entities have been the subject of larval morphology descriptions at third instar stage and published DNA barcoding studies that can be reported in the protocol. A shared diagnostic protocol for these species is expected to provide a resource to a wide number of users. Other pests could be added to the protocol as pest status changes and revisions are requested.
- [22] One TPDP member asked how the six species were chosen and Mr BARR responded that these are the main pests frequently intercepted and the drafting group were trying to limit to the ones that are being reported on and are well researched with other protocols and literature available on their impacts.
- [23] The IPPC Secretariat questioned if there is still an identification at the genus level. Mr BARR replied positively, that they need to develop this as a genus level identification and then particular species. He mentioned it will be good to allow feedback from expert consultation to see what concerns are brought up.
- [24] The IPPC Secretariat mentioned it might be a good idea to explain or clarify the situation with the draft for the SC even though the scope is not really changing. Mr SEPÚLVEDA LUQUE, the steward and an SC member agreed that is important to clarify this for the SC and get their agreement and Mr BARR agreed to revise the paper presented at this meeting to present to the SC.
- [25] The TPDP:
- (3) requested Mr Norman BARR to revise document 04 for Genus *Ceratitis* (2016-001) to be presented to the SC by March.

5. Review of requests for revisions of adopted diagnostic protocols

5.1 DP 21: *Candidatus Liberibacter solanacearum*

- [26] Mr Robert TAYLOR presented the agenda item 4.5 and summarized the justification for a possible revision of the adopted diagnostic protocol [DP 21 \('*Candidatus Liberibacter solanacearum*'\)](#) that was sought during the 2019 August TPDP meeting in Auckland⁴.
- [27] The TPDP considered that it was necessary to assess the need for a revision of DP 21, taking into consideration the recent development regarding the definition of haplotypes. It is known that EPPO also have a diagnostic protocol which provides guidance on the determination of haplotypes; however, during the EPPO consultation on this protocol, questions were raised on how to determine a new haplotype and its delimitation as there is no consensus in the scientific community for that.
- [28] Mr TAYLOR shared his mixed views on whether now is the right time to initiate a revision or if the TPDP should wait until there's more updates to add value to the protocol instead of going through the entire standard setting process. The TPDP were invited to discuss and they were also informed that EPPO was intending to organize a virtual meeting on the issue.
- [29] One member noted that DP 21 does has haplotypes in it and wondered what the issue is that EPPO have raised about their DP without haplotypes. Mr TAYLOR responded that what was raised by EPPO is that

³ Virgilio, M, White, I.M. and De Meyer, M. 2014. A set of multi-entry identification keys to African frugivorous flies (Diptera, Tephritidae). ZooKeys 428: 97-108.

⁴ 2019 August TPDP meeting report: <https://www.ippc.int/en/publications/88295/>

there can be challenges in identifying new haplotypes but that he would reach out to EPPO to look further into the technical problem.

[30] It was noted by a member that if there is no technical problem with the current adopted DP 21 then there is no need to open it for a revision but they mentioned it would be a good idea to follow up with EPPO to see if they are proceeding with a revision of their protocol before deciding what to do next with DP 21 and the TPDP agreed.

[31] The IPPC Secretariat added that the call for topics will open in 2021 and any contracting party or RPPO can submit a revision for this DP 21.

[32] The TPDP:

- (4) *Agreed* for Mr Robert TAYLOR to reach out to EPPO for an update on the revision of their diagnostic protocol
- (5) *Agreed* to wait for the call for topics to evaluate better the need to revise the IPPC DP 21 '*Candidatus Liberibacter solanacearum*'

6. Updates from the Standards Committee (SC) on IPPC Strategic Framework 2020-2030: Development agenda: Laboratory diagnostic networking

[33] The IPPC Secretariat gave a brief update from the SC November meeting and on the IPPC Strategic Framework 2020-2030: Development agenda on Laboratory diagnostic networking. It is expected that by 2030 an international network of diagnostic laboratory services is functioning, and that national laboratories have strong diagnostic functions are officially recognized as capable of offering reliable services within regions or globally, reducing the need for all countries to develop duplicated capacity.

[34] The IPPC Secretariat wanted to get the initial thoughts and information from the panel on how to progress this development agenda based on the SC discussions. One proposal is to have a published list of approved Diagnostic laboratories, as outlined in the text of the Strategic Framework.

[35] A number of TPDP members valued this proposal and thought it would be very useful but noted how big a task this would be for the panel to undertake with limited resources and especially taking into account the number of DPs on the work programme for next year. They also wondered about the criteria for the laboratories that will feature on this list; would they be reference, national or general laboratories and if they would be recommended by the IPPC Secretariat.

[36] One member informed that the Caribbean Agricultural Health and Food Safety Agency (CAHFSA), has some projects in the region that has components to assess the number of laboratories, noting that not limited to plant health laboratories, and that the aim is to gather this information to be included in a database. On this note, one member suggested that regional organizations are in a better position to do something like this.

[37] Another member noted the suggestion by the SC to use the Implementation Review and Support System (IRSS) project to gather information and other TPDP members agreed that this could be an easier approach where the TPDP can be invited to participate but not lead such activities.

[38] The IPPC Secretariat noted that Mr Álvaro SEPÚLVEDA LUQUE and Ms Juliet GOLDSMITH are both representatives on the IRSS group as SC and RPPOs rep, respectively, so they can report back to the TPDP on how the IRSS can support. It was pointed out that there is a need to provide justifications and fill out some forms for the inclusion of a topic in the IRSS work programme.

[39] Lastly, the IPPC Secretariat mentioned that some of the development agendas, including Laboratory Diagnostic Networking, are not funded and there has not been any real coordination for them to date. In relation to this particular one, there is a need for more direction as well as the development of a roadmap.

[40] The TPDP:

- (6) *Agreed* for Ms Juliet GOLDSMITH and Mr Álvaro SEPÚLVEDA LUQUE to report back on how the TPDP can support the IRSS project if it is included in the work plan.

7. Any Other Business

[41] There was no other business.

8. Close of the Meeting

[42] The TPDP decided that the next meeting should be held in January 2021 and the IPPC Secretariat would create a Doodle poll to decide on a date.

[43] The Chairperson closed the meeting and thanked the participants for their active participation.

Appendix 1: Agenda**2020 VIRTUAL MEETING OF THE
TECHNICAL PANEL ON DIAGNOSTIC PROTOCOLS (TPDP)**

25 November 2020

AGENDA

Agenda Item	Document No.	Presenter
1. Opening of the Meeting		
1.1 Welcome by the IPPC Secretariat	--	MOREIRA / CASSIN
2. Meeting Arrangements	--	
2.1 Selection of Chairperson	--	MOREIRA
2.2 Selection of the Rapporteur	--	Chairperson
2.3 Adoption of the Agenda	01_TPDP_Tel_2020_Nov	Chairperson
3. Administrative Matters	--	
3.1 Documents list	02_TPDP_Tel_2020_Nov	CASSIN
3.2 Participants / membership	TPDP membership list	
3.3 Connections to Zoom and virtual meetings	Short guideline for participants	
4. TPDP work programme		
4.1 General update on the TPDP work programme Action items from previous meetings	(Link to TPDP meeting reports) TPDP 2020-10 meeting report	Chairperson / ALL
4.2 Updates on the progress of DPs in the work programme	-	MOREIRA / CASSIN / ALL
4.3 Updates on the progress of draft DP for <i>Striga</i> spp. (2008-009) <ul style="list-style-type: none"> o Lead author notes o Compiled Comments for <i>Striga</i> spp. (2008-009) 	03_TPDP_Tel_2020_Nov Link to Compiled Comments	YIN / CASSIN
4.4 Discussion on the scope of draft DPs: <ul style="list-style-type: none"> o Genus <i>Ceratitidis</i> (2016-001) 	04_TPDP_Tel_2020_Nov	BARR
4.5 Review of requests for revisions of adopted diagnostic protocols : <ul style="list-style-type: none"> o DP 21: '<i>Candidatus Liberibacter solanacearum</i>' 	05_TPDP_Tel_2020_Nov	TAYLOR
5. Updates		
5.1 Updates from the Standards Committee (SC) <ul style="list-style-type: none"> - IPPC Strategic Framework 2020-2030: Development agenda: Laboratory diagnostic networking 	06_TPDP_Tel_2020_Nov	MOREIRA / Steward
6. Any other business	-	Chairperson

Agenda Item	Document No.	Presenter
7.	Closing of the meeting - Recommendations to SC or IPPC Secretariat - Next virtual meeting date	-

Appendix 2: Documents list**2020 VIRTUAL MEETING OF THE
TECHNICAL PANEL ON DIAGNOSTIC PROTOCOLS (TPDP)****25 November 2020***(Documents are presented in the order of the document numbers)*

DOCUMENT NO.	AGEND A ITEM	DOCUMENT TITLE	POSTED
01_TPDP_Tel_2020_Nov	2.3	Agenda	2020-11-20 / Updated: 2020-11-23
02_TPDP_Tel_2020_Nov	3.1	Documents list	2020-11-23
03_TPDP_Tel_2020_Nov	4.3	Updates on the progress of draft DP for <i>Striga</i> spp. (2008-009) – Lead author notes	2020-11-23
04_TPDP_Tel_2020_Nov	4.4	Discussion on the scope of draft DP Genus <i>Ceratitidis</i> (2016-001)	2020-11-23
05_TPDP_Tel_2020_Nov	4.5	Review of requests for revisions of adopted diagnostic protocols : DP 21: ' <i>Candidatus Liberibacter solanacearum</i> '	2020-11-23
06_TPDP_Tel_2020_Nov	5.1	Updates from the Standards Committee (SC) IPPC Strategic Framework 2020-2030: Development agenda: Laboratory diagnostic networking	2020-11-23

Documents links (presented in the order of the agenda items)

Links	AGENDA ITEM	DOCUMENT LINK
TPDP Membership list	3.2	TPDP membership list
Short guideline for participants	3.3	Short guideline for participants
IPPC standard setting process	4.1	Link to IPPC standard setting process
IPPC Procedure Manual for Standard Setting	-	Link to the IPPC Procedure Manual for Standard Setting
TPDP Specification TP 1	-	TPDP specification TP 1
List of topics for IPPC Standards (LOT)	-	Link to List of topics for IPPC Standards
IPPC DPs drafting groups list	-	Link to IPPC DPs drafting groups list

Appendix 3: Participants list**2020 VIRTUAL MEETING OF THE
TECHNICAL PANEL ON DIAGNOSTIC PROTOCOLS (TPDP)****25 November 2020
PARTICIPANTS LIST**

A check (✓) in column 1 indicates confirmed attendance at the meeting by the time this paper was posted.

	Participant role	Name, mailing, address, telephone	Email address	Term begins	Term ends
✓	Steward	Mr Álvaro SEPÚLVEDA LUQUE Servicio Agrícola y Ganadero División de Protección Agrícola y Forestal Av. Presidente Bulnes 140, 4 th floor, Santiago, CHILE Tel: + 56-2 234 5120	alvaro.sepulveda@sag.gob.cl ;		
✓	Bacteriology	Mr Robert TAYLOR Plant Health & Environment Laboratory New Zealand Ministry for Primary Industries 231 Morrin Road St Johns PO Box 2095 Auckland 1140 New Zealand Tel: (+64) 9 909 3548 Fax: (+64) 9 909 5739	Robert.Taylor@mpi.govt.nz	May 2011	2021 (2 nd term 2016-2021)
✓	Botany	Ms Liping YIN Plant Quarantine Laboratory Animal and Plant Inspection and Quarantine Technology Center Shanghai Entry-Exit Inspection and Quarantine Bureau 1208 Minsheng Road Shanghai, 200135 China Tel: (+86) 21 6854 0577 Fax: (+86) 21 6854 6481	yinlp@shciq.gov.cn ; yinlp2013@hotmail.com	April 2008	April 2023 (3 rd term)
✓	Botany	Ms Colette C. JACONO USA / USDA-APHIS-PPQ National Identification Services National Taxonomist - Botany Address: 10300 Baltimore Ave., BARC-W Bldg 12, Rm 10., Beltsville MD 20705-2350 USA Tel. (+1) 240 428 9658	Colette.Jacono@usda.gov ;	October 2020	October 2025

	Participant role	Name, mailing, address, telephone	Email address	Term begins	Term ends
✓	Entomology	Mr Norman B. BARR Assistant Director Mission Laboratory 22675 N. Moorefield Rd. Moore Air Base Bldg. S-6414 Edinburg, TX 78541 USA Tel. (+1) 956 205 7658 Fax: (+1) 956 205 7680	Norman.B.Barr@aphis.usda.gov	July 2012	2022 (2 nd term 2017-2022)
✓	Entomology	Ms Juliet GOLDSMITH Plant Health Specialist Caribbean Agricultural Health and Food Safety Agency (CAHFSA) Letitia Vriesdelaan 10 Paramaribo Suriname Tel: (+597) 422 546 Mobile: (+597) 725 2922	julietgoldsmith@gmail.com	November 2014	2019 (2 nd term 2019-2024)
	Nematology	Ms G�eraldine ANTHOINE Directrice adjointe / Deputy head Chef d'unit� coordination de la r�f�rence / Head of unit "coordination of reference activities" 7 rue Jean Dixm�ras 49044 ANGERS cedex 01 France Tel: (33) 241207431 Fax: (33) 240207430	geraldine.anthoine@anses.fr	April 2009	2019 3 rd term 2019- 2024)
✓	Virology, and backup for bacteriology	Mr Brendan RODONI Biosciences Research Division AgriBio Centre Ring Road La Trobe University Bundoora 3083 Australia Tel: (+61) 3 9032 7319 Fax: (+61) 3 9800 3521	brendan.rodoni@ecodev.vic.gov.au <u></u>	July 2012	2022 (2 nd term 2017-2022)
✓	Virology	Ms Vessela Assenova MAVRODIEVA Assistant Laboratory Director, USDA APHIS, PPQ, Beltsville, MD, USA Tel: (+1) 301-313-9208	vessela.a.mavrodieva@usda.gov ;	March 2020	March 2025
✓	Mycology	Ms Julie PATTEMORE Assistant Director: Plant Pathology, Department of Agriculture, Water and the Environment, Melbourne, Australia Tel: (+61) 3 83186957	julie.pattmore@awe.gov.au	March 2020	March 2025

	Participant role	Name, mailing, address, telephone	Email address	Term begins	Term ends
✓	Mycology	Ms Yazmin RIVERA Molecular Biologist, USDA APHIS, PPQ, Beltsville, MD, USA Tel: (+1) 301-313-9273	Yazmin.Rivera@usda.gov ;	March 2020	March 2025
✓	IPPC Secretariat Lead	Ms Adriana MOREIRA Standards Officer / Deputy Assistant to Unit Leader IPPC Secretariat / FAO Viale delle Terme di Caracalla 00153 Rome, Italy Tel: (+39) 06 570 55809	Adriana.Moreira@fao.org ;		
✓	IPPC Secretariat Support	Ms Aoife Cassin Standard Setting Associate IPPC Secretariat / FAO Viale delle Terme di Caracalla 00153 Rome, Italy Tel: (+39) 06 57052 480	Aoife.Cassin@fao.org		

Appendix 4: Action points arising from the November 2020 TPDP meeting and previous 2019 TPDP meeting

ACTION POINTS ARISING FROM THE NOVEMBER 2020 MEETING

(by agenda item)

Action	Agenda Item	Responsible	Deadline
1. The TPDP agreed that the drafts for <i>Puccinia graminis</i> f. sp. <i>tritici</i> UG 99 (2019-004) and <i>Mononychelus tanajoa</i> (2018-006) will be transmitted to the IPPC Secretariat by 10 January 2021.	4.1	Discipline lead and DP drafting group	10 January 2021
2. Psyllid vectors of <i>Candidatus Liberibacter Solanacearum</i> (2018-030) transmitted to the IPPC Secretariat by March 2021	4.1	Discipline lead and DP drafting group	March 2021
3. The draft for <i>Candidatus Liberibacter</i> spp. on <i>Citrus</i> spp. (2004-010) to be reviewed by TPDP before country consultation	4.1	Discipline lead and DP drafting group	12 February 2021
4. Hold a meeting on Revision of DP 5 (<i>Phyllosticta citricarpa</i> (McAlpine)) Aa, (2019-011) to discuss the documents for the proposed revision	4.1	Ms Yazmin RIVERA and Mr Robert TAYLOR	
5. Follow up on the lead author for <i>Mononychelus tanajoa</i> (2018-006)	4.1	IPPC Secretariat	December 2020
6. Review the compiled comments and updated draft DP for <i>Striga</i> spp. (2008-009) before opening a TPDP eForum	4.2	Discipline leads IPPC Secretariat	December 2020
7. Revise document 04 for Genus <i>Ceratitis</i> (2016-001) to be presented to the SC by March 2021.	4.3	Mr Norman BARR	February 2021
8. The TPDP agreed for Mr Robert TAYLOR to reach out to EPPO for an update on the revision of their diagnostic protocol in relation to the revision the IPPC DP 21 ' <i>Candidatus Liberibacter solanacearum</i> '	5.1	Mr Robert TAYLOR	December 2020
9. The TPDP agreed for Ms Juliet GOLDSMITH and Mr Álvaro SEPÚLVEDA LUQUE to report back on how the TPDP can support the IRSS project	6	Ms Juliet GOLDSMITH and Mr Álvaro SEPÚLVEDA LUQUE	

ACTION POINTS STILL PENDING FROM PREVIOUS MEETINGS

Action (From 2019-08 TPDP meeting) ⁵	Responsible
(pending SC decision) The TPDP agreed that the TPDP gather different sources of information (manual, guides, videos) from different regions, in order to identify gaps in the existing diagnostic protocols.	Mr Robert TAYLOR supported by Ms Géraldine ANTHOINE
(pending SC decision) The TPDP recommended that a CPM recommendation on “Facilitating shipment and transport of reference material and specimens, to support diagnostic activities for regulated pests” be developed, and asked Mr Brendan RODONI and Ms Juliet GOLSMITH, supported by Ms Françoise PETER, to draft a justification for that purpose to be discussed during the next TPDP meeting.	Mr Brendan RODONI and Ms Juliet GOLDSMITH, supported by Ms Françoise PETER (invited expert – EPPO)
(pending SC decision) The TPDP is willing to take the lead in organizing the first international workshop on diagnostic laboratories in 2021, and asked Mr Norman BARR, supported by Mr Brendan RODONI, to draft a detailed proposal (justification, programme, resource mobilization) to be discussed during the next TPDP meeting.	Mr Norman BARR, supported by Mr Brendan RODONI
Action (From 2020-09 TPDP meeting) ⁶	Responsible
The TPDP asked Mr Norman BARR to review the documents for “Best practices for sequencing: Using DNA sequences to diagnose a pest” and “Interpretation of results from LAMP tests”	Mr Norman BARR

⁵ 2019-08 TPDP meeting report: <https://www.ippc.int/en/publications/88295/>

⁶ 2020-09 TPDP meeting report: <https://www.ippc.int/en/publications/88897/>