



## Contents

45th Annual Meeting	1
2022-2026 NAPPO Strategic Plan	3
NAPPO-EPPO meeting	3
IPHC and 34th TC-RPPO meetings	4
2022 National Plant Board	4
NAPPO-Seeds Association of the Americas meeting	5
News from Expert Groups	6
Welcome new Expert Groups members	8
Upcoming meetings and events	14

## 45th NAPPO Annual Meeting



Dear NAPPO stakeholders,

Hello from the NAPPO Secretariat and **thanks so very much** for joining us last week for the 45th NAPPO Annual Meeting (AM). I hope that, like us, you enjoyed our second, **and hopefully last**, virtual NAPPO AM, hosted – from Oct. 18-20 - by the Canadian Food Inspection Agency (CFIA).



We'd like to acknowledge and thank the Honorable Minister of Agriculture and Agri-Food Canada, Mme. Marie-Claude Bibeau and Mr. Jean-Guy Forgeron, Executive Vice President of the CFIA, for officially opening the AM. Their remarks on the importance of NAPPO as a regional organization for the harmonization of plant health initiatives in North America were much appreciated and set the stage for the rest of the meeting.

The meeting platform brought together just north of 350 registered participants from about 19 countries representing numerous National Plant Protection Organizations (NPPOs) and other Federal level, State, and Provincial government agencies, Regional and International Plant Protection Organizations, Universities, and a diverse group of industry stakeholders representing different commodity sectors – from horticulture to seeds to fruits, vegetables, and grains, to wood products and commercially available biological control agents, among others.

We hope you enjoyed the country reports from our three NAPPO member NPPOs. We trust that the information shared by Steve Côté (Canada), Dr. Mark Davidson (U.S.), and Francisco Ramírez y Ramírez (Mexico) informed the industry discussions as well as the combined government-industry meetings held on Tuesday afternoon. It was fantastic to have an international report from Dr. Osama El-Lissy,

Secretary of the IPPC, on the status and initiatives at the IPPC level now that their Strategic Framework (2020-2030) is progressing toward phased implementation of its eight Development Agendas.

The Wednesday Symposium on *The impacts of climate change on plant health* received many kudos from registered participants! We are indeed very fortunate in NAPPO to have such knowledgeable, dedicated, and eloquent speakers in our member countries – both industry and governments! In addition, this year we were lucky to have *Professoressa* Maria Lodovica Gullino delivering the keynote speech on the IPPC Study on Climate Change to kick things off for the Symposium.

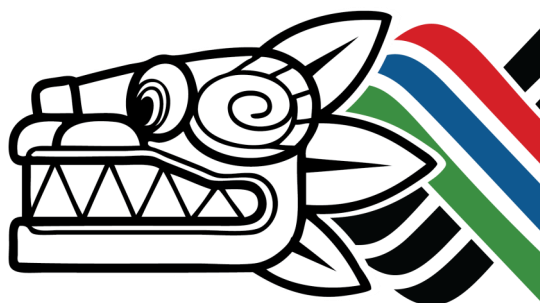
We hoped you enjoyed listening to the progress reports from our fantastic and dedicated NAPPO Expert Groups. The experts from industry, government, and academia that form our Expert Groups are the machinery that keeps our projects moving forward - on time and with excellence! Kudos to all of them for a job well done!

In closing, we kindly remind all our meeting participants to [please complete the post-meeting survey \(link\)](#) by **November 4th**. Please give kudos where it is deserved but, most importantly, provide us with suggestions of what/where we can improve so we can make the 2023 46th NAPPO Annual Meeting, scheduled for early December in Merida, Yucatan, Mexico, an event to remember!

If you missed part (or all) of the 45th NAPPO Annual Meeting, please click on this [link](#) and use your virtual meeting registration credentials (your *email* + your *password*) to enter the platform and view the entire meeting.

*Stephanie Bloem*

*NAPPO Executive Director*



NAPPO 2023

REUNIÓN ANUAL | ANNUAL MEETING  
DEL 5 AL 7 DE DICIEMBRE | DECEMBER 5 TO 7

MÉRIDA ■ YUCATÁN ■ MÉXICO

## NAPPO Executive Committee approves the new 5-year NAPPO Strategic Plan

The new 5-year NAPPO Strategic Plan (2022-2026) was approved by the Executive Committee on July 13th. You can find the letter introducing the 2022-2026 Strategic Plan [here](#) and the document itself [here](#). Please note that at the end of each calendar year a document assessing how the yearly NAPPO Work Program has met the goals and subgoals of the Strategic Plan is:

- developed by the NAPPO Secretariat,
- presented to and approved by the NAPPO Executive Committee, and
- posted to the NAPPO website.



## NAPPO and EPPO held a pre-IPPC Strategic Planning Group (SPG) Meeting in Rome



In addition to four EPPO and four NAPPO representatives, the 4-hour meeting was attended by colleagues from the NPPOs of Australia and New Zealand. The group discussed the main topics identified in the SPG meeting Agenda including:

- the *One Health* concept and what it means for plant health,
- the key outputs and next steps emerging from the Sea Containers workshop and from initial deliberations of the Sea Containers Focus Group,
- the long-term sustainable funding options for ePhyto, and
- the future oversight of the IPPC Dispute Settlement Process, among others.

The pre-SPG meeting allowed the group to identify common positions and questions that were brought-up for discussion at the 3-day SPG meeting, which took place from Oct. 24-26 at the FAO Headquarters in Rome.

## Successful outcomes of the International Plant Health Conference (IPHC) and the 34th Technical Consultation among Regional Plant Protection Organizations (RPPOs)

The IPHC, jointly organized by the Department for Environment, Food & Rural Affairs (DEFRA) of the United Kingdom and the IPPC Secretariat, was a resounding success! The meeting was held Sept. 21-23 at the Queen Elizabeth II Centre in London, England. Its purpose was to provide a forum to discuss scientific, technical, and regulatory plant health issues while at the same time advocate on the importance of plant health to the media and the public. More than 600 persons registered to attend the IPHC.



The IPHC daily themes included Food Security, Environmental Protection, and Safe Trade. Each day had a Plenary Session, several side events, and symposia on scientific and regulatory topics as well as discussion panels held during concurrent sessions.

The thirty-fourth Technical Consultation among RPPOs (34<sup>th</sup> TC-RPPO), held two face-to-face meetings on the margins of the IPHC (Sept. 21-22). The meeting was expertly chaired by the current TC-RPPO Chairperson, Mr. Diego Quiroga from COSAVE. Seven of the ten RPPOs were represented and an observer from the Economic Community of West African States (ECOWAS), who is engaged in the process to become the 11th RPPO, participated in the meetings. The final report of these meetings can be found [here](#). The 34<sup>th</sup> TC-RPPO has an additional virtual meeting scheduled for November 7th where, among other things, the chairperson for the 35th TC-RPPO will be selected.

## NAPPO participates in the 96th National Plant Board Meeting

The NAPPO Technical Director attended the 2022 National Plant Board meeting held in Lancaster, Pennsylvania from July 31 to August 4. Information on the role and mission of NAPPO, and the NAPPO management team which includes the Executive Committee, Advisory and Management Committee, and the Industry Advisory Group was presented. Updates were also provided on all NAPPO projects that form part of the 2022 Work Program

and on the 45th NAPPO annual meeting. The presentation emphasized and provided details on the National Plant Board collaboration with NAPPO, including their participation in new project submissions, country consultation and representation in different NAPPO Expert Groups.

The NPB meeting, organized by the Pennsylvania Department of Agriculture, provided an opportunity to highlight NAPPO's work, most notably the pilot for harmonization of diagnostic protocols for seed pests focused on the ToBRFV, and the new projects approved for the 2022 Work Program. Dr. Mark Davidson, Deputy Administrator, United States Department of Agriculture, Animal and Plant Health Inspection Service, Plant Protection and Quarantine (USDA-APHIS-PPQ) acknowledged the collaboration of APHIS PPQ with NAPPO and thanked NAPPO for all the work they do to safeguard agriculture and facilitate safe trade in the NAPPO region.

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## **NAPPO was an invited speaker at the 8th Seed Congress of the Americas - SAA**

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The Seed Association of the Americas (SAA), together with the National Association of Seed Growers (ANAPROSE, for its acronym in Spanish), the Uruguayan Chamber of Seeds (CUS, for its acronym in Spanish), and the Uruguayan Association of Plant Products Procurers (URUPOV, for its acronym in Spanish) held the 8th Seed Congress of the Americas from September 26-28 in Punta del Este, Uruguay. The event gathered over 400 participants from different seed health and seed safe trade sectors such as industry, researchers, breeders, and government officials, among others. Topics such as seed trade facilitation, regulations, current challenges, new technologies, and others were discussed during the congress.



During the section Facilitating Seed Trade, NAPPO presented the latest data on the pilot for harmonization of diagnostic protocols for seed pests focused on Tomato Brown Rugose Fruit Virus (ToBRFV). The report was well received by the participants who were interested in knowing the project's results when they become available.

NAPPO's presentation can be found in this [link](#).

# News from expert groups

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**Seeds ToBRFV – A pilot for harmonization of diagnostic protocols for seed pests focused on ToBRFV.** Participating laboratories in Canada, the United States and Mexico started testing the selected detection protocols for the ToBRFV project in July and August following two Q&A sessions in July and one data entry training session in August. The laboratory work was officially completed in mid-October and all the data has been entered into the APHIS PPQ portal for analysis. The EG will analyze the data during the 4th quarter of 2022.

On behalf of the NAPPO Expert Group members and the NAPPO Secretariat, we thank the Directors of participating laboratories: **Vessela Mavrodieva** (USDA-APHIS-PPQ Plant Pathogen Confirmatory Diagnostic Laboratory - PPCDL), **Sukhi Pannu** (California Seed and Plant Laboratory), **Derrick Mayfield** (Seed Science Center– Iowa State University), **Carrie Lapaire Harmon** (National Plant Diagnostic Network Laboratory - University of Florida), **Stephan Briere** (Canadian Food Inspection Agency—Ottawa, Fallowfield Laboratory), **Pamela Ross** (Canadian Food Inspection Agency—Charlottetown, PEI Laboratory), **Josefina León Felix** (Research Centre on Food and Development —CIAD, for its acronym in Spanish), **Alfonsina Judith Hernández** (Specialized Integrated Diagnostic Laboratory — LADIFIT, for its acronym in Spanish) and **Ángel Ramírez** (National Service for Agri-food Health, Safety and Quality — SENASICA, for its acronym in Spanish) and all the diagnosticians who participated and contributed to this important project.

**ISPM 25 Guidance document (*Standardization of responsibilities and actions for safeguarding consignments that have transited one NAPPO country to enter another NAPPO country*).** The writing subgroup continues to meet every two weeks to work on the document. The focus of their work is on the high-priority transit scenarios in the NAPPO region.

The NAPPO Secretariat would like to thank Francisca de la Cruz Martínez for her contributions to this work. Francisca left the EG and SENASICA to pursue a PhD degree in Mexico. Francisca was also a member of the NAPPO ePhyto EG.

**Electronic Phytosanitary Certification (ePhyto).** The ePhyto system continues to be a success in the NAPPO region and the world. The U.S. is now sending ePhytos to 80 countries and receives from 48. The system is now being tested with Paraguay. Mexico continues to test the electronic signature with the European Union and is now using the ePhyto system for avocado exports.

**Phytosanitary Alert System (PAS).** The EG continues meeting the IPPC Pest Reporting Obligations and facilitating awareness, detection, prevention and management of

exotic plant pest species within North America by managing and publishing the Official Pest Reports from all NAPPO countries. Since July 1, 2022, 18 Official Pest Reports have been published (17 from the U.S. and 1 from Mexico).

**Risk-Based Sampling Manual - Part II.** We are pleased to inform you that the Risk-based Sampling Manual - Part II is available in English and Spanish on the [NAPPO website](#).

**Translation of the Module on Risk-based Sampling for Inspection.** The Project “Furthering the implementation of RBS in Latin America – translation and development of the RBS USDA training module into Spanish” was approved by the NAPPO Executive Committee. With this project, information will be available in Spanish to facilitate the implementation of RBS for phytosanitary inspectors in the Americas and to promote technically justified inspections to achieve fair and safe trade.

Some of the project activities include:

- Translation of the module content, including supporting documentation and exercises. Completed.
- Review translation for technical accuracy. Completed.
- Develop the Spanish version of the training module with a software called *Storyline 360*. In progress.
- Review and test the module. Pending
- Upload the module to the website. Pending
- Inform NAPPO stakeholders. Pending

The module will be available in Spanish very soon for the benefit of all Spanish-speaking countries!

**Revision of RSPM 35 (Guidelines for the movement of stone and pome fruit trees and grapevines into a NAPPO member country) - Arthropod pest tables.** The EG has started discussing the arthropod pest status determination of pome and stone fruit trees and grapevines in all three NAPPO countries to better implement ISPM 8 and harmonize the process. Prioritization will be given to those pests with different status in the three NAPPO countries.

**Revision of NAPPO Discussion Document 05 (Management of Huanglongbing (HLB) and its vector, the Asian-Citrus Psyllid, *Diaphorina citri*).** The EG has drafted a recommendation statement for the NAPPO Advisory and Management Committee (AMC) to consider a complete revision of NAPPO DD05. The EG membership will be modified and the revision of NAPPO DD05 will start pending AMC approval.

**Revision of RSPM 26 (Certification of commercial arthropod biological control agents or non-*Apis* pollinators moving into NAPPO member countries).** The EG is drafting a general document outlining the importance of revising

RSPM 26 and next steps before officially starting the revision work.

**Forestry Quarantine Research Group (FQRG).** The FQRG is a self-managed group that discusses issues pertaining to research in forest quarantine. The group will provide a status report to the NAPPO Management Team at the end of their first year. NAPPO provides interpretation services during their meetings.

**Interamerican Coordinating Group in Plant Health (GICSV, for its acronym in Spanish).** The NAPPO Secretariat continues coordinating the GICSV activities including scheduling virtual meetings with the different GICSV Working Groups (WG) (FOC TR4, fruit flies, locusts, HLB, *Tuta absoluta* and ePhyto). GICSV EGs have also been engaged in the production of a “*General information video on Huanglongbing (HLB)*”, a future video on “*HLB management and control*” and data sheets on *Cosineuta virens* and locusts of the genus *Tropidacris*. The data sheets are available on the [GICSV's webpage](#).

The NAPPO Secretariat and the GICSV are also coordinating a series of webinars for the remaining of 2022 and the first quarter of 2023. For more information see the “*Upcoming meetings and events*” section at the end of this newsletter issue.

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## Welcome new Expert Group (EG) members

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The NAPPO Secretariat would like to welcome new EG members to NAPPO.

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### Revision of RSPM 35 (*Guidelines for the movement of stone and pome fruit trees and grapevines into a NAPPO member country*) - Arthropod pest tables

**Delia Bastidas Álvarez.** Delia obtained a degree in Biology from the National Polytechnic Institute, National School of Biological Sciences. In 2009, Delia started working at the National Service for Agri-Food Health, Safety and Quality (SENASICA), Department of Risk Analysis where she is currently in charge of the pest categorizations area. Delia has experience in pest risk analysis, pest categorization, and development of technical-scientific reasoning documents. She also coordinates activities to update Mexico's lists of regulated pests.





**Dulce Hernández Zetina.** Dulce works for the Plant Health General Directorate (DGSV), National Phytosanitary Reference Center (CNRF), Department of Entomology and Acarology. She obtained a degree in Biology from the National Polytechnic Institute, and graduate degrees in Entomology and Acarology (School of Graduate Studies) and a PhD from the Biology Institute (Mexico's National Autonomous University). As an associate professor, she taught Insect Physiology, Insect Systematics, and Aquatic Entomology. She has attended national and international events, participated in projects, and indexed and peer-reviewed publications. She is a founding member of the Mexican Association for Arthropod Systematics; a member of the Entomological Society of Mexico, the Mexican Society of Biological Control, and the Subject Matter Experts Network on Forestry Health (CONACYT).

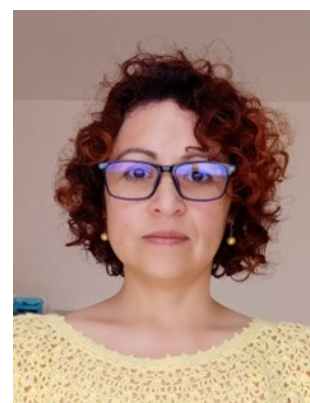


**Vianey Mendoza.** Vianey is an agronomist specializing in plant health who graduated from the Chapingo Autonomous University, where she earned a Master's in Entomology and Acarology. She has worked for the Mexican Academy of Applied Entomology where she performed, reviewed, and coordinated scientific activities related to insect pests. Vianey currently works in the Pest Risk Analysis Area of SENASICA where she determines the regulatory status of species in Mexico to safeguard plant health in the national territory and therefore, its food security. She was recently invited to be a member of the NAPPO Expert Group in charge of revising the Arthropod pest table for the Regional Standard for Phytosanitary Measures (RSPM 35).



**Marina Gutiérrez Olivares.** Marina is a biologist who graduated from the National Polytechnic Institute, National School of Biological Sciences. She has a Master's in Entomology and Acarology from the School of Graduate Studies.

She is currently a staff member of the pest categorization team at the National Service for Agri-Food Health, Safety, and Quality (SENASICA), National Phytosanitary Reference Center (CNRF), Risk Analysis coordination.



**Martin Damus.** Martin has been a risk assessor with the Canadian Food Inspection Agency since 2007, and senior risk assessor since 2016. He started with the Agency in 2000 in the entomology laboratories, before moving through other positions in policy and conservation with Natural Resources Canada and the Canadian Wildlife Service. Education: Master's degree in Entomology (University of Guelph), Bachelor of Science (University of Guelph), and a liberal arts degree, biology concentration (Bishop's University). Currently, he lives just outside of Ottawa, Ontario, Canada, where he paints, gardens, plays music, and live together with his wife Monique.



**Sarah Marshall.** As Manager of the Ontario Tender Fruit Growers and Fresh Grape Growers, Sarah represents over 200 growers of stone fruit, pears, and table grapes across Ontario. She reports to a board of directors for each organization and manages initiatives on research, marketing, and promotion.



**Sage Thompson.** Sage Thompson joined NAPPO as a member of the Inter-American Coordinating Group in Plant Health (GICSV, for its Spanish acronym) for Fusarium, and as a member of the arthropod pest tables expert group for RSPM 35. Sage started working for the United States Department of Agriculture (USDA) in the Plants for Planting Policy group as a risk manager and entomologist in 2020. She enjoys working on a diverse portfolio of commodities, including fruit trees, ornamental plants, and offshore programs. Sage graduated from the University of Florida's Doctor of Plant Medicine program and also has a Master's degree in Entomology.



**Manuel Jiménez Vásquez.** Manuel is a member of the Methods Development/Phytosanitary Focus Group of the Plant Health General Directorate, National Phytosanitary Reference Center since 2018 to date.

He is an Agronomist specialized in Plant Sciences, and graduated from the Chapingo Autonomous University. He holds a Master's in Science with a major in Plant Protection from Chapingo, from the Department of Agricultural Parasitology. He holds a PhD in Plant Health specializing in Entomology and Mites from the School of Graduate Studies, Montecillo, Campus, in Texcoco, State of Mexico, Mexico. Manuel has experience in rearing Lepidoptera and in pest management in agricultural crops.



**Douglas McPhie.** Doug is an Entomologist Risk Analyst for APHIS (Animal and Plant Health Inspection Service), PPQ (Plant Protection and Quarantine), PPRA (Plant Pest Risk Analysis) since 2018. With PPRA he works on import and export pest risk analyses for commodities for consumption and plants for planting, and scientific support to assist PPQ in protecting U.S. agriculture and natural resources.



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## Seeds ToBRFV – A pilot for harmonization of diagnostic protocols for seed pests focused on ToBRFV

**Lauren Comin.** Lauren Comin is the Regulatory Affairs Manager for Seeds Canada, the national industry association for the seed value chain in Canada. Prior to joining Seeds Canada in May 2022, Lauren was the Director of Research for the Alberta Wheat Commission and Alberta Barley, and the President of the Canadian Wheat Research Coalition. Lauren holds a PhD in Bioresource and Food Engineering and a BSc in Nutrition and Food Science from the University of Alberta.



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## Revision of NAPPO Discussion Document 05 (*Management of Huanglongbing (HLB) and its vector, the Asian-Citrus Psyllid, Diaphorina*)

**Victoria Hornbacker.** Victoria has over 9 years of experience working with Asian citrus psyllid and Huanglongbing and was appointed Director of the Citrus Pest and Disease Prevention Division in 2019. In addition to her work at the California Department of Food and Agriculture (CDFA), Victoria represents California on the Huanglongbing Multi-Agency Coordination Project, and she was an invited technical expert at the European and Mediterranean Plant Protection Organization's Expert Working Group on Huanglongbing in Valencia, Spain in 2018.



**Donald Seaver.** Don Seaver is a National Science Program Manager in APHIS PPQ Science and Technology (S&T), located in Raleigh, North Carolina. He joined PPQ in 2005 providing scientific support for emergency and domestic programs including *Phytophthora ramorum* (PRAM), Plum Pox Virus (PPV), Potato Cyst Nematode (PCN) and Citrus Greening (HLB). In 2007, he joined the Agriculture Quarantine Inspection lab managing the cold treatment program. In 2009, he became the staff scientist for the Plant Pathogen and Weeds program, managing various plant health programs. Since 2019, he has coordinated research and methods development work for the Citrus Health Response Program, along with viruses of cucurbits and solanaceous crops supporting PPQs seed health initiative.



### **Revision of RSPM 26 (Certification of commercial arthropod biological control agents or non-Apis pollinators moving into NAPPO member countries)**

**Vicente Rosas Medina.** Vicente is an Agronomist specializing in Plant Sciences who graduated from the Chapingo Autonomous University (1995), he holds a Master's in Plant Pathology (2020) from the School of Graduate Studies.

He is currently the head of the Risk Analysis Department from SENASICA's Plant Health General Directorate. He has over 20 years of experience in topics related to plant health regulations, establishment and implementation of phytosanitary measures which adequately help to manage the phytosanitary risk related to importation and domestic movement of plant products, regulated by the Secretariat of Agriculture .



**Paul Adams.** Paul has been a Canadian federal government Research Scientist at Agriculture and Agri-Food Canada since 2016. His research program is focused on the ecology of invasive agricultural pests and their natural enemies, and the development of effective and environmentally safe biological control programmes. This will be his first time participating in a NAPPO expert group, and he is excited to contribute and learn from the experience .



**Carlos Lázaro Castellanos.** Carlos is an Agronomist specializing in agricultural parasitology from the Chapingo Autonomous University, Master's in sciences and PhD in Sciences specialized in entomology and mites from the School of Graduate Studies, with a focus on biological control, scale insects' taxonomy, and their natural enemies. In addition, he has experience in pest management of crops, pest risk analysis (PRA), and currently as part of the Phytosanitary Epidemiological Surveillance Program at SENASICA's Plant Health General Directorate, National Phytosanitary Reference Center (CNRF, for its acronym in Spanish ) in Mexico.



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## Forestry Quarantine Research Group (FQRG)

**Jeffrey Davidson.** Jeffrey Davidson is the USDA APHIS PPQ Commodity Specialist for Forest Products and responsible for assisting and consulting with internal and external stakeholders on a variety of import, export, and domestic forest product regulatory issues and questions. He has worked for PPQ since 2001 in a variety of plant health regulatory programs. He is a graduate of Southern Illinois University and Southeastern Illinois College in Forestry and Urban Forestry. He lives in Boonsboro, Maryland, with his wife, Kristine, and three children and an active volunteer in his church and community serving on Boonsboro's Park Board and Tree Board .

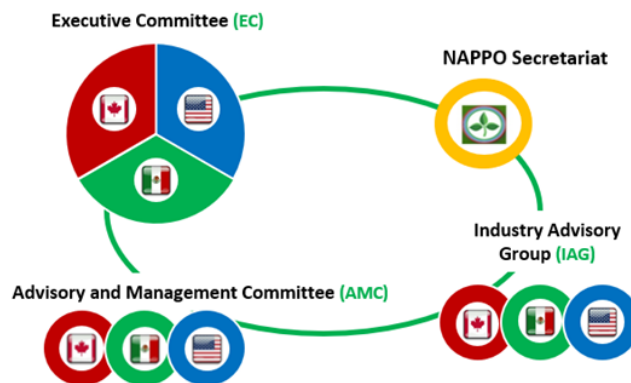


# Upcoming meetings and events

## NAPPO “hybrid” Governance Meetings Scheduled for November 8 and 9

The NAPPO Management Team (NMT) – see diagram below – will meet next week in Raleigh, NC. Executive Committee, Advisory and Management Committee and Industry Advisory Group members from Canada and the United States will participate in person, while colleagues from Mexico will participate remotely. The Advisory and Management Committee (AMC) members from the three National plant protection organizations (NPPOs) will meet with the NAPPO Executive and Technical Directors on Nov. 8 to identify key decision points that need to be addressed by the NMT on Nov. 9.

The NMT meeting will include status updates from member country NPPOs, industries and the NAPPO Secretariat, an assessment of the 45th NAPPO Annual Meeting, updates on the 2022 Work Program, a discussion on succession planning for the NAPPO Executive Director and news from international organizations and committees, among others.



## The IPPC Standards Committee (SC) and Implementation and Capacity Development Committee (IC) will meet in Rome in November

The SC will meet at the FAO Headquarters from 14-18 November. Their agenda includes a discussion of draft ISPMs for recommendation to the Commission on Phytosanitary Measures (CPM) for adoption in 2023 (from 2<sup>nd</sup> consultation) – including the draft amendments to ISPM 5 – *Glossary of Phytosanitary Terms*, draft Annex to ISPM 20 - *Use of specific import authorizations*, and draft revisions of ISPM 18 - *Requirements for the use of irradiation as a*

*phytosanitary measure* and ISPM 4 - *Requirements for the establishment of pest free areas*. They will also review the comments received during first consultation for a number of ISPM specifications and annexes and prepare draft ISPMs for 1st consultation including an update on development of the Draft annex to ISPM 38 on Design and use of systems approaches for phytosanitary certification of seeds.

The IC meeting will take place at the Capo D’Africa Hotel in Rome from 21-25 November. The IPPC Secretariat will provide updates to the IC including on the Commission on Phytosanitary Measures Bureau meetings, the Strategic Planning Group meeting, and the International Plant Health Conference. IC members are busy preparing discussion papers on updates for 2022 and plans for 2023 for several strategic IC initiatives including the IPPC Observatory, managing Implementation and Capacity Development Contributed Resources, Guides and Training Materials, Phytosanitary Capacity Evaluation, E-commerce, and National Reporting Obligations, among others. The Implementation and Facilitation Unit of the IPPC will present their workplan for 2023.

## **Upcoming Interamerican Coordinating Group in Plant Health (GICSV, for its acronym in Spanish) webinars**

- **Biological control and climate forecast focused on locusts.** This webinar will be held on November 3, 2022, and its objective is to present tools to improve the GICSV region’s capability to control locusts and grasshoppers. The application of the fungi *Metarhizium acridium* will be discussed as part of biological control programs to manage locusts. NAPPO will provide interpretation services.
- **Prospective phytosanitary intelligence – a regional prevention, suppression, and control strategy within a dynamic, international context: HLB case study and its vector, *Diaphorina citri*.** The webinar is scheduled for February 2023 (date to be confirmed) and will present the tools implemented and the knowledge acquired on phytosanitary intelligence in different countries, including techniques such as high temperature and multiple-criteria analysis systems for HLB and *Diaphorina citri*.
- **Epidemiological surveillance and biotechnological tools used to mitigate HLB.** The webinar is scheduled for February 2023 (date to be confirmed) and will present surveillance procedures and the usage of biotechnological tools as options to manage HLB.
- **Single window:** to comply with obligations from the trade facilitation agreement which states the usage of single windows to streamline border procedures, this webinar is scheduled for March 2023.
- **Risk-based phytosanitary treatment.** Scheduled for March 2023.

## International events of interest to GICSV's WG

- **11th. Argentinian and 12th. Latin American Congress of Entomology** to be held on October 24-28, 2023. The GICSV is interested in participating in the Congress's "Symposium on South American Orthoptera: ecological, evolutionary, phylogenetics and management studies".
- **14th International Congress of Orthopterology** to be held in Merida, Yucatan, Mexico on October 16-19, 2023. The locust WG is developing a proposal to participate in this

### NAPPO Newsletter

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