



**NAPPO**

North American Plant Protection Organization  
 Organización Norteamericana de Protección a las Plantas  
**MEXICO - USA - CANADA**

**UPDATED - 2024 NAPPO Work Program**

Dear NAPPO stakeholders,

- Below is the **UPDATED - 2024 NAPPO Work Program**, as endorsed by the NAPPO Executive Committee (EC) on May 30, 2024.
- The 2024 Work Program consists of fourteen (14) projects, two of which (#8 and #9) will be completed very soon.

The information in the tables below is organized as follows:

**TABLE 1 – New, ongoing and permanent projects.**

**TABLE 2 - Projects completed in 2024.**

**TABLE 3 - Waitlisted and projects currently on hold. PLEASE NOTE** - The NAPPO Advisory and Management Committee (AMC) will reassess and reprioritize the projects listed in Table 3 when they evaluate/prioritize new project proposals received from stakeholders during the May 1- June 30, 2024 NAPPO project proposals open call.

**TABLE 1 - New, ongoing, and permanent projects**

No.	Area of Interest	Project Title	Details/updates	Expert Group initiation date estimated duration
1	Systems Approaches for Seed	<b>NEW</b> <b>New NAPPO Regional Standard for Phytosanitary measures (RSPM) - Use of systems approach as a framework for phytosanitary certification of seeds</b>	The new RSPM will result in harmonized and more effective pest risk management along the NAPPO region seed supply chain in the NAPPO region. It will provide a more efficient phytosanitary export certification system for seed as an alternative to the current consignment-by-consignment seed certification model. The flexibility of systems approaches and the adaptation of existing industry practices into a regulatory framework will promote appropriate pest risk management with NPPO oversight/responsibility. Some Expert Group tasks will include: <ul style="list-style-type: none"> <li>• Review discussion papers submitted by NAPPO stakeholders, as appropriate.</li> <li>• Review concepts, requirements and first year results of the USDA APHIS PPQ Regulatory Framework for Seed Health (ReFreSH) program.</li> <li>• Review other seed quality systems in use in NAPPO member countries.</li> </ul>	SysApp

No.	Area of Interest	Project Title	Details/updates	Expert Group initiation date estimated duration
			<ul style="list-style-type: none"> <li>• Receive an update on the COSAVE Regional Pilot Plan on systems approach for seed, and similar hemispheric efforts, as appropriate.</li> <li>• Examine how existing seed production practices and processes contribute to pest risk management.</li> <li>• Describe the general requirements for a systems approach for seeds.</li> <li>• Describe the specific responsibilities of the importing and exporting NPPOs and the seed entities in a government-industry operated systems approach.</li> <li>• List potential requirements for multilateral systems approaches, including technical justification for the measures.</li> </ul>	
2	Forestry – heat treatment	<p style="text-align: center;"><b>NEW</b></p> <p><b>New NAPPO Science and Technology Document - Testing the heat treatment dose for wood product pests in North America – water bath ring study</b></p>	<p>The document will outline standard operating procedures (SOPs) for the wood pests heat treatment ring study, including how to build the water bath(s), and the collection, analysis, interpretation and practical use of the results obtained.</p> <p>Some Expert Group tasks will include:</p> <ul style="list-style-type: none"> <li>• Develop the SOP <ul style="list-style-type: none"> <li>○ outlining the methods for testing and recording results of the H<sub>2</sub>O bath heat experiments on wood product pests of concern to the NAPPO region.</li> <li>○ outlining methods for analysis, display and interpretation of results.</li> </ul> </li> <li>• Create a prioritized list of organisms to test in the water bath in different regions of North America.</li> <li>• Identify researchers and locations to build the water bath(s) and conduct experiments in Mexico, the United States and Canada</li> <li>• Meet regularly to plan and discuss results of water bath heat treatment experiments</li> <li>• Develop the Science and Technology document</li> <li>• Describe how the results of the ring study - which document the lethal dose for a variety of wood pests - can be used to design kiln schedules to deliver the heat effectively.</li> </ul>	H <sub>2</sub> O bath
3	ISPM 15 compliance	<p><b>Science and Technology document on Evaluating the risk associated with different types of wood packaging material – Opportunities to improve ISPM 15 compliance</b></p>	<ul style="list-style-type: none"> <li>• Develop a science and technology document describing the different categories of wood packaging material (WPM) used in North America and the pest risks associated with each related to processing and treatment.</li> <li>• Describe production processes for each type of WPM, including application of measures, verification, and certification.</li> </ul>	<p>Forestry</p> <p><b>12/15/2023</b></p> <p><b>1-2 years</b></p>

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			<ul style="list-style-type: none"> <li>Recommend practical application of existing ISPM 15 measures to the different types of WPM.</li> <li>Provide examples of WPM for which coordination of production and regulation has resulted in reduced pest risks.</li> </ul> <p>Targeted completion – 4<sup>th</sup> quarter of 2024 or 2025.</p>	
4	<i>Tuta absoluta</i>	Discussion document on how NAPPO member countries should prepare for the threat posed by this pest	<ul style="list-style-type: none"> <li>Outline NAPPO member country phytosanitary requirements</li> <li>Highlight impacts on regional trade.</li> <li>Develop a forward-looking harmonized response for North America.</li> </ul> <p>Targeted completion – 4<sup>th</sup> quarter of 2024 or 2025.</p>	<p><i>Tuta absoluta</i></p> <p>05/24/2023</p> <p>-By 12/2023: DD completion and presentation at NAM. -In 2024-25: Draft response plan</p>
5	Alternatives to Methyl Bromide	Discussion document to share information regarding alternative treatments for MeBr, with a possible goal of creating an agreed position aligned to international standards	<ul style="list-style-type: none"> <li>Identify the major uses of MeBr for all three NAPPO member countries (e.g. commodity, quantity).</li> <li>Collate existing research and alternative treatments.</li> <li>Identify priority MeBr alternative treatments that can be used by all three NAPPO member countries.</li> <li>Identify gaps and opportunities for collaboration.</li> <li>Identify the priority areas that would benefit from information sharing, as well as monitoring, evaluating, and supporting promising alternative treatments.</li> <li>Consider what is occurring in other fora, so we avoid redundancy and ensure linkages.</li> <li>Identify policy-level factors that may affect the implementation of alternative treatments.</li> </ul> <p>Targeted completion – 4<sup>th</sup> quarter of 2024 or 2025.</p>	<p>MeBR</p> <p>11/25/2023</p> <p>1-2 years</p>
6	Biological Control	Fundamental review of RSPM 26 - Certification of commercial arthropod BCAs or non-Apis pollinators moving into NAPPO member countries	<ul style="list-style-type: none"> <li>RSPM 26 was last updated in 2015. The original objective of RSPM 26 was to facilitate the movement of commercial arthropod biological control agents (CABCA) and of non-Apis pollinators (NAP) into NAPPO member countries.</li> <li>However, since it was first developed/approved back in 2006, RSPM 26 has never been fully implemented by NAPPO member countries. While RSPM 26 recommends a certification process, it is silent on certification as an import requirement by member countries.</li> <li>A full review of RSPM 26 is required to determine its continued value and consider its feasibility, as well as consider (as applicable and appropriate) any updates that would best meet its objective and current needs (e.g., inclusion of nematodes). The review will address</li> </ul>	<p>Biocontrol</p> <p>08/10/2022</p> <p>-Spring/Summer 2022: Consideration/discussion including what updates are needed. -Fall/Winter 2022-23: First draft and distribution of revised RSPM 26. -Spring/Fall 2023: Finalization and country consultation.</p>

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			<p>the anticipated benefits of the standard, implementation implications, and challenges, as well as possible alternative means (as applicable) for meeting its stated objectives.</p> <p>Targeted completion 3<sup>rd</sup> or 4<sup>th</sup> quarter 2024</p>	
7	Forestry	Forestry quarantine research (FQR) group	<ul style="list-style-type: none"> <li>The FQR group, comprised of industry, government, and academia subject matter experts from the 3 NAPPO countries, identifies and prioritizes forest quarantine market issues and research needs and facilitates the exchange of forestry information among the 3 NAPPO countries.</li> <li>The FQR group deliberations may identify the need for specific future NAPPO projects (regional standards, diagnostic protocols, discussion and/or science and technology documents, position papers or training workshops) that could be used as models for international standards or implementation resources. These projects can be submitted during the open call for new project proposals.</li> </ul> <p>Targeted completion – pending reevaluation.</p>	<p>NAPPO FQR</p> <p>10/07/2022</p> <p>pending reevaluation</p>
8	Seeds <i>ToBRFV</i>	A pilot for harmonization of diagnostic protocols for seed pests focused on <i>ToBRFV</i>	<p>EC approved the project final report on June 1.</p> <ul style="list-style-type: none"> <li>A writing subgroup completed the scientific manuscript for publication in the journal <i>PhytoFrontiers</i>.</li> <li>Manuscript currently undergoing clearance procedures in APHIS PPQ.</li> <li>A Decision Sheet has been drafted and will be signed by the EC after the manuscript is accepted for publication.</li> </ul> <p>Targeted completion 2<sup>nd</sup> quarter 2024.</p>	<p>Seeds <i>ToBRFV</i></p> <p>03/27/2020</p> <p>3 years (2020-2022)</p>
9	NAPPO standard operating procedures	Review, update, and finalization of the NAPPO Foundational Documents - FDs	<p>Project has two specific objectives:</p> <ol style="list-style-type: none"> <li>Review and update existing FDs, and</li> <li>Identify additional processes that require a new FD.</li> </ol> <ul style="list-style-type: none"> <li>The FDs will include all organizational components and process details involved in conducting the work of NAPPO.</li> <li>The FDs will describe/codify all processes within NAPPO, thereby improving the efficiency and conduct of projects, and better inform stakeholders about NAPPO and its regional, hemispheric, and global processes.</li> <li>The FDs will provide guidance to new personnel joining our RPPQ and assist the AMC/Secretariat in conducting and implementing the NAPPO work program.</li> </ul> <p>Targeted completion 2<sup>nd</sup> quarter 2024</p>	<p>NAPPO Secretariat + Advisory and Management Committee (AMC)</p>

No.	Area of Interest	Project Title	Details/updates	Expert Group initiation date estimated duration
<b>Permanent NAPPO Projects</b>				
10	Pest reporting	<b>Phytosanitary Alert System (PAS)</b>	<ul style="list-style-type: none"> <li>Meet IPPC Pest Reporting Obligations and facilitate awareness, detection, prevention, and management of exotic plant pest species within North America.</li> </ul>	PAS
11	International trade	<b>Electronic Phytosanitary Certification</b>	<ul style="list-style-type: none"> <li>Assistance/technical support to the IPPC ePhyto SG.</li> <li>Provide input to help address exchange, secure transmission, and data standardization.</li> </ul>	ePhyto
12	Stakeholder engagement	<b>Annual meeting, newsletter and NAPPO website</b>	<ul style="list-style-type: none"> <li>Plan, coordinate, and deliver the NAPPO Annual Meeting.</li> <li>Develop and publish the Newsletter 3x/y.</li> <li>Upgrade/update the NAPPO website as needed.</li> </ul>	NAPPO Secretariat
13	Regional collaboration	<b>Collaborate with the Interamerican Coordinating Group in Plant Health (GICSV)</b>	<ul style="list-style-type: none"> <li>Participate/support regional initiatives on topics of importance to RPPOs of the Americas. NAPPO participates in virtual working groups (WGs) focusing on information exchange and participation in virtual calls.</li> <li>NAPPO/NPPO experts currently participate in the following WGs: fruit flies, citrus greening, ePhyto, <i>Tuta absoluta</i>, locusts, <i>Fusarium oxysporum</i> TR4 and the newly formed WG on phytosanitary emergencies.</li> <li>Secretariat provides occasional interpretation and translation services.</li> </ul>	Experts from NPPOs and NAPPO Secretariat
14	Intra-regional cooperation	<b>Intra-regional cooperation on transboundary pest activities for pests that affect two or more NAPPO member countries</b>	<p>Administrative support on transboundary pest programs affecting two or more NAPPO countries.</p> <p><b>1 – Eradication of boll-weevil from the state of Tamaulipas, MX</b></p> <ul style="list-style-type: none"> <li>APHIS-PPQ develops work program and financial plan, provides the funding, and receives, reviews, accurately certifies payments for Malathion, aerial application, and trapping supplies.</li> <li>NAPPO Secretariat pays the vendor(s) and informs APHIS-PPQ on each payment date, amount, and invoice number.</li> <li>APHIS-PPQ writes and submits to NAPPO periodic Cooperative Agreement progress reports.</li> <li>NAPPO Secretariat prepares and provides year-end financial report and engages/works with independent CPA to perform a yearly Program Specific Audit required by Federal regulations.</li> </ul> <p><b>2 – Develop management tools (mating disruption, sterile insect technique, etc.) for box tree moth</b></p> <ul style="list-style-type: none"> <li>APHIS-PPQ develops the work program with different participating institutions, provides the funding, and approves the</li> </ul>	NAPPO Secretariat

No.	Area of Interest	Project Title	Details/updates	Expert Group initiation date estimated duration
			<p>subcontract with foreign cooperators.</p> <ul style="list-style-type: none"> <li>NAPPO Secretariat subcontracts with the foreign cooperator and accepts and manages APHIS-PPQ funds.</li> <li>APHIS-PPQ and the foreign cooperator write and submit to NAPPO periodic Cooperative Agreement progress and financial reports.</li> <li>Secretariat prepares and provides year-end financial report.</li> </ul> <p><b>Unusual Features:</b> The most unusual feature of this cooperation is that the Secretariat's role is limited to being a pass-through organization for accepting, safeguarding, and managing APHIS-PPQ funds. Nevertheless, the cooperation meets NAPPO's SG 1 which is to – Protect North American plant resources from the introduction and spread of regulated plant pests.</p>	

TABLE 2 - Projects completed in 2024

#	Area of Interest	Project Title	Details/updates	Expert Group - notes
	e-commerce	<b>Cooperation with the IPPC Secretariat in the organization of an e-commerce side session during CPM-18</b>	<ul style="list-style-type: none"> <li>The IPPC e-commerce guide was published in Oct. 2023</li> <li>Three RPPOs – NAPPO, COSAVE, and EPPO worked with the IPPC Secretariat in the organization and delivery of a CPM-18 side session on e-commerce to raise awareness on this important phytosanitary pest pathway to those participating in CPM-18.</li> <li>The IPPC Secretariat provided interpretation in all FAO languages during the side session.</li> <li>Side-session took place on April 16, 2024.</li> </ul>	<p>NAPPO</p> <p><b>01/01/2024</b></p> <p><b>4 months</b> Completed 04/16/2024</p>
	Citrus	<b>Update Discussion Document 05: Management of Huanglongbing (HLB) and its vector</b>	<p>NAPPO experts updated DD05 to reflect current HLB management, protocols, and policies of all NAPPO member countries that have this pest.</p> <ul style="list-style-type: none"> <li>Sent for Country Consultation on Oct. 2, 2023.</li> <li>Consultation period closed on Dec. 1, 2023.</li> <li>Comments received were analyzed by the EG and the document was adjusted, and approved by the NAPPO EC.</li> </ul>	<p>HLB</p> <p><b>07/27/2022</b></p> <p>no more than one calendar year</p>
	ISPM 25 implementation	<b>Standardization of responsibilities and actions for safeguarding consignments that have transited one NAPPO country to enter another NAPPO country</b>	<ul style="list-style-type: none"> <li>Sent for Country Consultation on Oct. 2, 2023.</li> <li>Consultation period closed on Dec. 1, 2023.</li> <li>Comments received were analyzed by the EG and the document was adjusted, and approved by the NAPPO EC.</li> </ul>	<p>ISPM 25</p> <p><b>05/19/2020</b></p> <p>2-3 years total</p>

**TABLE 3 – Waitlisted and projects currently on hold**

#	Area of Interest	Project Title	Details/updates	Expert Group - notes
	Lymantriids	<b>Review of selected Lymantriid and other species that could be considered for inclusion in the Asian gypsy moth vessel certification program for North America</b>	<p>Maritime vessels are a known pathway for the potential introduction of Lymantriid as well as other insect species. Canada and the United States have intercepted species other than those included in the existing vessel certification program in the last five years. These represent risks to North America that are not specifically mitigated.</p> <p>The project objectives include:</p> <ol style="list-style-type: none"> <li>1. Understanding the risks of selected species</li> <li>2. For species identified as high risk, determine whether and how to incorporate them into the existing vessel certification program, including impacts on ongoing, regular reviews of Specified Risk Periods.</li> </ol>	Lymantriids – <i>pending availability of expert’s time</i>
	Biological Control	<b>Best practices for collecting, handling, and using biological control agents (BCAs) in North America</b>	<p>Project objective is to provide guidance on best practices for BCAs for the NAPPO region. This includes species native or naturalized to the whole or part of NAPPO countries. Guidance will include:</p> <ol style="list-style-type: none"> <li>1. Recommendations on sustainable methods for collecting natural enemies that ensure populations are conserved for their continued ecosystem functions.</li> <li>2. Recommendations on methods to eliminate contaminant organisms (pathogens, parasites, parasitoids) from field-collected natural enemies intended for transport and rearing.</li> <li>3. Protocols for rearing genetically diverse cultures of natural enemies for release into nature and commercial agriculture production.</li> <li>4. Overview of laws and regulations that pertain to the collection, handling, and use of natural enemies (e.g., movement of native species across state/provincial boundaries) and to the protection of threatened and endangered species.</li> </ol>	Biocontrol – <i>pending completion of RSPM 26 update and review of EG membership</i>
	QMS	<b>Comprehensive review and update of quality management (QM) related terminology within RSPM 5 – NAPPO glossary of phytosanitary terms</b>	<p>Project objective is to enhance the discipline and consistency in the NAPPO region on how we refer to quality management (QM), quality assurance, quality systems, and other related quality management (QM) terms and processes that impact NAPPO standards and other work across various industry sectors and phytosanitary activities. The project is directly related to the Regional Standard for Phytosanitary Measures (RSPM) 5: <i>NAPPO’s Glossary of Phytosanitary Terms</i>, which contains definitions, abbreviations, and acronyms currently used in other NAPPO RSPMs and documents.</p>	QMS – <i>paused pending high-level trilateral discussions</i>