



NAPPO

North American Plant Protection Organization
Organización Norteamericana de Protección a las Plantas

NAPPO Conference Call Report

Expert Group:	Forest Quarantine Research Group	
Location:	Zoom meeting – Videoconference	
Date:	April 4, 2023	
Chairperson:	Chuck Dentelbeck	
Secretary:	Meghan Noseworthy	
Participants:		
Chuck Dentelbeck (Canadian industry)	Meghan Noseworthy (Can-NRCan)	Adnan Uzunovic and Paul Newman (Canadian industry)
Ronald Mack (USDA-APHIS-PPQ)	Brad Gething (US industry)	Paul Conway (US industry)
Eric Allen (Can-Retired)	Nedelka Marín-Martínez (NAPPO)	Jason Allen (USDA-APHIS-PPQ)
Mireille Marcotte (Can-CFIA)	Gustavo Hernández Sánchez (Mex-SEMARNAT)	Tyrone Jones (USDA-APHIS)
Jeff Davidson (USDA-APHIS-PPQ)	Dave Kretschmann (US industry)	
Summary		
Project:	Discuss forest quarantine issues, priorities, potential projects	
General comments:	<p>The NAPPO FQRG chair welcomed the EG members who joined the meeting.</p> <p>The NAPPO FQRG secretary shared the agenda and the chairperson asked if there was anything to add.</p> <p>Brad recommended discussing plans for the group to meet at the annual NAPPO meeting in Merida. All agreed this was a good idea.</p> <p>Following this discussion, the chairperson commenced the review of action items from the last meeting.</p>	
Action items from previous meeting	<ol style="list-style-type: none"> 1. Industry met to discuss opportunities to support the construction of water baths for use in other countries – identified a potential source of funding to follow up in Canada. 2. Subgroup to meet in April to discuss priority organisms to test in water bath ring study – reviewed Ormsby 2022 (https://link.springer.com/article/10.1007/s41348-022-00571-1) to identify priority insect pest families for testing related to ISPM 15. All agreed cerambycids and scolytids are priority groups. 3. Locations for water baths – proposed one in Mexico at a research institute, OTIS Lab in the USA to start. Consider other international locations once the first units are installed and running. 	

	<p>4. Support from research institutes – ongoing.</p> <p>5. Assemble a group of people to address how to clarify and communicate the dose delivery issue. Potentially collaborate on a white paper – Starting with a review paper on HT publications (Meghan). Chuck, Scott, Brad offered to review this paper.</p>
Item 1:	Continue discussing the heat treatment delivery and dose understanding and water-bath construction by interested researchers internationally for lethal dose consensus
Consensus:	<p>The following comments were made and agreed upon:</p> <ul style="list-style-type: none"> - Discussed logistics and costs associated with building more water baths ~20K (Canadian funding likely to be secured in fall of 2023) - Discussed the need for a principal investigator and the creation of an SOP – Meghan - Discussed the progression of assistance to be offered by those building new baths to future researchers (Ron)
Item 2:	Discuss how to clarify and communicate the dose delivery issue
Consensus:	<p>EG discussed the following:</p> <ul style="list-style-type: none"> - HT workshop in January 2023 Annapolis at the end of the USDA Interagency Meeting – the consensus of the workshop was that delivery and understanding implementation of HT requires clarification. - Review of previous studies on HT for wood products
Item 3:	<p>Trade irritants</p> <p>Examples:</p> <p>5.1 Countries requiring HT Certificates on ISPM 15 Compliant dunnage.</p>
Consensus:	<p>EG discussed the following:</p> <ul style="list-style-type: none"> - Issues with sawn wood exports to China from North America with regards to pinewood nematode (Paul) - Canada has worked on educational material to help with communication regarding the efficacy of HT for this organism - One of the issues is that ministries rather than the NPPOs are implementing measures, inspections, etc.

Next Steps

Responsible Person	Action	Date
Meghan	Consult with NAPPO Secretariat on options for the FQRG to meet in Merida – possibly Tuesday	May 2023
Meghan	Create SOP for conducting Humble water bath studies including rearing post-treatment	July 2023
Industry EG members (Chuck/ Brad/ Scott/ Paul N /Dave)	Continue to find opportunities for industry to support building water baths to test organisms NA.	May 2023
Ron, Meghan, Eric, Gustavo	Identify a prioritized list of insects to test	May 2023
All to consider	Locations for water baths – range of climates (Mexico, USA, NZ, South America, Portugal)	TBD

All to consider	Find support from research institutions to run water bath experiments	TBD
All to consider	Assemble a group of people to address how to clarify and communicate the dose delivery issue. Potentially collaborate on a white paper	TBD
Next Meeting		
Location:	Zoom meeting – Videoconference	
Date:	June 27, 2023 – 2 pm EST	
Proposed Agenda Items		
1. Continue discussing the heat treatment delivery and dose understanding and water-bath construction by interested researchers internationally for lethal dose consensus – funding, list of organisms to test, place to build baths.		
2. Trade irritants information item - updates Examples: 3.1 Countries requiring HT Certificates on ISPM 15 Compliant dunnage		
3. Increase understanding of HT efficacy and use – Discuss the potential for updating NAPPO Science and Technology Document No. 5: Review of heat treatment of wood and wood packaging		
4. Discuss options for alternatives to MBr – EDN – need for a diagnostics/testing protocol		
5. For the group to consider – future topics		
6. Round table - all		