



ORGANISATION NORD AMERICAINE POUR LA PROTECTION DES PLANTES
 NORTH AMERICAN PLANT PROTECTION ORGANIZATION
 ORGANIZACION NORTEAMERICANA DE PROTECCION A LAS PLANTAS
 CANADA UNITED STATES MEXICO

NAPPO Panel Report

Panel Name:	Fruit Panel	
Location:	Niagara Falls, Ontario, Canada	
Date:	July 8 - 11, 2008	
Panel Chair:	Susan McCombs, USDA APHIS	
Participants:		
Charles Brisco, Canada, CFIA	Joe Cavey, USDA-APHIS	Jose Manuel Gutierrez, Mexico, SAGARPA
Marie-Pierre Mignault, CFIA	Lisa Neven, USDA ARS	Jose Luis Zavala, Mexico, SAGARPA
Ian McDonell, NAPPO	Mike Willett, NW Horticultural Council, USA	Guillermo Santiago Martinez, Mexico, SAGARPA
	Oscar de Leon, Mexico CESAVENL	Juan Lorenzo Palau, Mexico, CESAVENL
		Carlos Garcia, Mexico, Unifrut

Summary

Issue 1:	Initiate development of a NAPPO standard on determination and designation of host status of a commodity for tephritid fruit flies
Consensus:	<p>The draft RSPM 30, Guidelines for the Determination and Designation of Host Status of a Commodity for Fruit Flies (Diptera: Tephritidae), was completed during April 2008. The draft was released for Country Consultation in June 2008. The comment period will end August 23, 2008.</p> <p>The Fruit Panel reviewed the comments received to date from Mexico and the USA in Country Consultation. No comments have been received from Canada. The comments primarily concerned the definitions of host status designations. Comments were discussed at length, considering IPPC definitions, the implications of the terms to phytosanitary applications, and the scientific basis for the host status designations.</p> <p>At the end of the country consultation period, comments from each country will be submitted to the Panel Chairperson on the NAPPO template. The template will be distributed to the Panel members and a conference call will be held to discuss final responses and modifications to the RSPM 30 text. Responses and the final draft will be posted on the NAPPO website. The final draft will be</p>

	submitted to the NAPPO Executive Committee for consideration in October 2008.
Issue 2:	Prepare a draft of a specific case study to apply ISPM No. 10, 'Requirements for the establishment of pest free places of production and pest free production sites'.
Consensus:	<p>The Panel recognizes that the application of the concept of fruit fly pest free orchards on a temporary basis, which regulates within country movement of commodities in Mexico (NOM-023-FITO-1995), aligns with RSPM 17 (Guidelines for the Establishment, Maintenance and Verification of Fruit Fly Free Areas in North America) and ISPM 10 (Requirements for the Establishment of Pest Free Places of Production and Pest Free Production Sites).</p> <p>The concept has been successfully applied in various countries for international trade according to ISPM 10. The feasibility is dependant upon the level of risk associated with each specific case.</p> <p>RSPM 17 presents the concept in a generic manner, thus, it should be revised to include the general and specific requirements contained in ISPM 10 to facilitate commodity movement among the NAPPO member countries. This is requested as a Panel assignment for 2008-2009.</p> <p>There may be a need to review and revise RSPM 17 following approval of the ISPM 26 Annex. Upon approval, there would be major differences between the ISPM and RSPM.</p>
Issue 3:	Develop guidelines to determine the host range and adaptability of <i>Rhagoletis</i> spp. in the NAPPO region.
Consensus:	<p><i>Rhagoletis</i> has 7 species of economic importance in North America. Some of these species have limited distribution in the USA but do impact trade in the apple industry of the Pacific NW and SE Canada. <i>Rhagoletis pomonella</i> is a quarantine pest in Mexico and protected areas of British Columbia, Canada.</p> <p>The draft host status determination standard will be provided to the PRA Panel for review. Need to confirm that this has been received and reviewed.</p> <p>It would be helpful to summarize the distribution of <i>Rhagoletis</i> species in the NAPPO region, their potential for establishment, and host range. A TAG was suggested as an efficient approach to drafting a discussion paper. The panel developed a list of pertinent characteristics (distribution, host range, identification, quarantine treatments, biological parameters, detection technology, control technology, regulatory status, and references cited) to be detailed for the seven species of interest:</p> <p><i>Rhagoletis pomonella</i> <i>R. mendax</i> <i>R. indifferens</i> <i>R. cingulata</i> <i>R. completa</i> <i>R. suavis</i> <i>R. fausta</i></p>

Issue 4:	Evaluate and recommend NAPPO diagnostic protocols
Consensus:	<p>The Fruit Panel requested the establishment of a Technical Advisory Group (TAG) to develop a harmonized diagnostic protocol for the <i>Tetranychus</i> mite species. The Canadian protocol (Attachment 1) was distributed to each country by the NAPPO Working Group. Panel members have submitted names of prospective TAG members through the Working Group. The TAG will be composed of the Fruit Panel Chairperson and two representatives from each country, with specializations in acarology and molecular diagnostics.</p> <p>New assignment recommendation: Review diagnostic protocols for Light Brown Apple Moth, <i>Epiphyas postvittana</i> (Tortricidae).</p>
Issue 5:	Evaluate and recommend NAPPO treatment protocols
Consensus:	<p>Cold treatment for oriental fruit moth (<i>Grapholita molesta</i>) and apple maggot (<i>Rhagoletis pomonella</i>) were selected as common protocols for NAPPO member countries. The Panel was concerned that the scientific literature supporting the protocols is very dated, or lacking. The historical record is offered as evidence of the efficacy of treatments because commodities have been treated and shipped under these protocols for up to 10 years without evidence of treatment failure. The Panel was unable to complete the documentation request by the IPPC (Attachment 2) because of these data gaps.</p> <p>Recently there have been issues regarding the protocols for application of Methyl Bromide for fruit commodities moving among NAPPO countries. Industry representatives requested that the protocols be standardized to reflect new temperature and time requirements. It was recommended that a new panel assignment for 2008-2009 is to develop a protocol for consistent application of methyl bromide treatment of fruit in the NAPPO region.</p> <p>The panel members identified the need to develop a draft standard with the guidelines for treatment protocol development and application, including statistical analysis.</p>
Issue 6:	Training on PCR techniques on identification of Mediterranean fruit fly and <i>Bactrocera</i> species
	<p>APHIS experts on Mediterranean fruit fly identification did not feel comfortable in moving the technology for population identification forward for training because the reference database is more than 15 years old.</p> <p>The technology for <i>Bactrocera</i> species identification is under development.</p> <p>Mexico requests training assistance with <i>Ceratitidis</i> species identification. This will be requested through APHIS.</p>
New Assignment Recommendations	Review and revise RSPM 17 to include the general and specific requirements contained in ISPM 10 for establishment of fruit fly free places of production and production sites.

	<p>Establish a TAG to develop a discussion paper that summarizes the distribution of <i>Rhagoletis</i> species in the NAPPO region, their potential for establishment, host range, and other pertinent characteristics. Review diagnostic protocols for LBAM.</p> <p>Develop a protocol for consistent application of methyl bromide treatment of fruit in the NAPPO region.</p> <p>Develop a draft standard with the guidelines for treatment protocol development and application, including statistical analysis.</p>
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Next Steps

Responsible Person	Action	Date
Sue McCombs	Submit draft July 2008 Panel meeting report to members for comment.	July 25, 2008 Completed
Sue McCombs	Contact Alba Campos to set up conference call to discuss RSPM 30 comments.	July 31, 2008 Completed
Sue McCombs	Contact Norman Barr for training on <i>Ceratitis</i> species ID	July 31, 2008
Panel Members	Provide changes to July Panel meeting report to Sue.	July 31, 2008 Completed
Sue McCombs, Joe Cavey & Walther Enkerlin	Establish TAG for <i>Tetranychus</i> mite diagnostic protocol development.	July 31, 2008 Completed
Sue McCombs	Submit final panel meeting report to Panel Members and Alba Campos.	August 4, 2008 Completed
Sue McCombs	Submit annual report to Alba Campos.	August 8, 2008
Joe Cavey	Review diagnostic protocols for LBAM.	August 15, 2008
Ian McDonell, TAG	Hold initial <i>Tetranychus</i> mite diagnostic TAG conference call	August 15, 2008
Mexico and Canada	Independent review of the RSPM 30 statistical analysis methods.	August 23, 2008
Sue McCombs & Walther Enkerlin	Establish TAG to write the <i>Rhagoletis</i> discussion paper.	September 1, 2008
Panel members	Compile RSPM 30 Country Consultation comments on NAPPO template. Insert proposed response to specific comments. Submit comments to Sue McCombs.	September 1, 2008
Sue McCombs	Revise draft RSPM 30 and circulate to panel members.	September 4, 2008
Panel members	Participate in conference call to finalize RSPM 30 draft. 3:00 PM EST.	September 9, 2008
Lisa Neven	Complete IPPC template for <i>Rhagoletis pomonella</i> and <i>Grapholita molesta</i> cold treatment.	October 2008

Ian McDonell	Request IPPC technical evaluation guidelines for treatment protocols	October 2008
Sue McCombs, Mike Willett, Joe Cavey, Jose Luis Zavala, Jose Manuel Gutierrez, Guillermo Santiago	Complete poster and attend NAPPO Annual Meeting	October 2008
Sue McCombs	Submit cold treatment tables to NAPPO.	March 30, 2009

Next Meeting

Location:	Uruapan, Michoacan, Mexico Airport: Morelia
Date:	March 17 – 20, 2009 March 16 (travel day) March 17-19 (meeting) March 20, (field trip to avocado program) March 21 (travel day)
Proposed Agenda Items	
1. Discuss NAPPO Working Group comments on the recommendations made regarding revision of RSPM 17 to include requirements for the establishment of pest free places of production and pest free production sites.	
2. Develop summary of <i>Rhagoletis</i> spp. characteristics.	
3. Review TAG progress on <i>Tetranychus</i> spp. diagnostic protocol for submission to the NAPPO Working Group.	
4. Discuss LBAM diagnostic protocols.	
5. Complete cold treatment protocol for submission to the NAPPO Working Group.	
6. Discuss standardization methyl bromide protocols for treatment of fruit.	
7. Address any new panel assignments.	
8. Field trip to observe avocado program.	
Location:	Yakima, WA USA Airport: YKM (To be held in the NW Horticultural Council offices at no cost to NAPPO)
Date:	July 14 - 17, 2009 July 13 (travel day) July 14-16 (meeting) July 17, (field trip), July 18 (travel day)

Proposed Agenda Items

1. Complete draft standard or revision of RSPM 17, to include requirements for the establishment of pest free places of production and pest free production sites.
2. Complete guidelines to determine the host range and adaptability of *Rhagoletis* spp. in the NAPPO region.
3. Review TAG progress on *Tetranychus* spp. diagnostic protocol for submission to the NAPPO Working Group.
4. Address new panel assignments
5. Field trip to observe local fruit production and packinghouses.