



NAPPO

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

NAPPO Meeting Report

Expert Group:	Biological Control	
Location:	Puerto Vallarta, Mexico	
Date:	19-21 August 2014	
Chairperson:	Peter Mason, Agriculture Canada	
Participants:		
Hugo Arredondo, SENASICA	Ken Bloem, USDA-APHIS	Thierry Poiré, CFIA
Juan José Acevedo, SENASICA	John Goolsby, USDA-ARS	Bruno Gallant, CFIA
Gustavo Torres, SENASICA	René Ruitter, Koppert (USA)	Brian Spencer, Applied Bio-nomics (Canada)
Maricela Martínez, Instituto Mexicano de Tecnología del Agua (IMTA)	Alfonso Torres, Koppert Mexico	Gregorio Ramos, Biobest Mexico
Rebecca Lee, NAPPO	Rigoberto Bueno, Koppert Mexico	Antolin Díaz, Biobest Mexico
Summary		
Project 1a:	Revise standards on biological control agents. a. RSPM 7 (2008) <i>Guidelines for petition for first release of non-indigenous phytophagous biological control agents</i>	
Consensus:	<ul style="list-style-type: none"> • modified wording to improve clarity • deleted subsections that were redundant or vague • added a section on 'Pre-release Compliance' • updated requirements for deposition of reference specimens • ready for country consultation 	
Project 1b:	Revise standards on biological control agents. b. RSPM 12 (2008) <i>Guidelines for petition for first release of non-indigenous entomophagous biological control agents.</i>	
Consensus:	<ul style="list-style-type: none"> • modified wording to improve clarity • deleted subsections that were redundant or vague • added sections on 'Host Range Testing' and 'Pre-release Compliance' • updated requirements for deposition of reference specimens • ready for country consultation 	
Project 1c:	Revise standards on biological control agents. Appendix 2 of RSPM 26 <i>Guidelines for certification of commercial arthropod biological control agents moving into NAPPO member countries.</i>	
Consensus:	<ul style="list-style-type: none"> • discussed changes and additions to the list of the approved commercial biocontrol agents in each NAPPO country • Appendix 2 updated 	

Project 2:	Revise RSPM 29 (2008) - <i>Guidelines for the petition for import and release of non-Apis pollinating insects into NAPPO countries.</i>
Consensus:	<ul style="list-style-type: none"> • modified wording to improve clarity • deleted subsections that were redundant or vague • added sections on 'Host Range Testing' and 'Pre-release Compliance' • updated requirements for deposition of reference specimens • Standard will not include species present in all three NAPPO countries. • issues relating to pathogen transmission would be addressed through revision of RSPM 26 to include non- <i>Apis</i> pollinators permitted to move between NAPPO countries. • ready for country consultation
Other subjects:	Exchange information on biological control programs and regulations in each of the NAPPO member countries
Consensus:	<ul style="list-style-type: none"> • reports summarizing biocontrol activities in Canada, Mexico and the USA presented by participants (presentations available upon request through the Secretariat) • need to include projects at universities, increase the profile of NAPPO at national meetings (e.g., ESA, APS, CPS, others) • NAPPO Biocontrol EG should link to IOBC Access and Benefit Sharing initiative to exchange information on ABS procedures/experiences in countries where Biological Control Agents (BCAs) accessed • NAPPO biocontrol panel letter (2012) contributed to proposed changes to regulatory oversight in Canada • the EG thanks SENASICA for organizing the tour of the biological control laboratory which showed the process for production of pink hibiscus mealybug and its BCA, <i>Anagyrus kamali</i>.
Other subjects	Testing for pathogens, parasites, and parasitoids associated with pollinators and biological control agents
Consensus:	<ul style="list-style-type: none"> • need to standardize testing methods using molecular tools • need to develop DNA libraries of pathogens, parasites and parasitoids associated with pollinators and biological control agents to facilitate compliance with requirements outlined in NAPPO standards
Other subjects	Movement of pollen destined for bee food into and among NAPPO countries
Consensus:	<ul style="list-style-type: none"> • need to standardize procedures and requirements for movement of pollen into and among NAPPO countries

Next Steps		
Responsible Person	Action	Date
Biocontrol Expert Group (Thierry)	Prepare a proposal for the Revision of RSPM 26 to include non- <i>Apis</i> pollinators	8 September 2014
J. Goolsby	Update images on RSPM 39 (no duct tape allowed)	31 August 2014
Biocontrol EG (Ken, Peter, Hugo)	Prepare a proposal to conduct a workshop on preparing a petition for first release of an entomophagous biological control agent for submission to regulatory authorities	8 September 2014
Biocontrol EG	Submit projects proposals to county representatives by 8 September 2014	8 September 2014
Biocontrol EG	Provide additional references for inclusion in RSPM 7, 12 and 29	31 August 2014
Biocontrol EG (Mexico and USA)	Update RSPM No 26 Appendix 2 lists	30 September 2014
Biocontrol EG (Antolin)	Prepare a proposal to develop a NAPPO standard for movement of pollen into and among NAPPO countries	8 September 2014
Biocontrol EG (Rene)	Prepare a proposal to develop a NAPPO standard for standardize testing methods using molecular tools for pathogens, parasites, and parasitoids of pollinators and biological control agents	8 September 2014
Next Meeting		
Location:	Canada, Victoria, British Columbia	
Date:	April 2015	
Proposed Agenda Items		
1. Exchange information on biological control programs and regulations in each of the NAPPO member countries		
2. Review and update RSPM 26 – <i>Guidelines for certification of commercial arthropod biological control agents moving into NAPPO member countries.</i>		
3. Develop Standard for standardized testing methods using molecular tools for pathogens, parasites, and parasitoids of pollinators and biological control agents		
4. Develop Standard for movement of pollen into and among NAPPO countries		
5. Conduct a workshop on preparing a petition for first release of an entomophagous biological control agent for submission to improve use of the standard		