

### An Overview

**RSPM 12**: Preparation of Petitions for First Release of Non-indigenous Entomophagous Biological Control Agents

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### **Biological control:**

### ...it's all about knowing your enemies and squashing them like with bugs!



IFA / Phorid Flies



EAB / Tetrastichus planipennisi

DEAT 200 05 25



### Why are permit petitions necessary?

#### Allows NPPOs to assess and reduce risks!!

- Are you releasing what you say you are releasing and nothing more?
- ✓ Does the new BC agent only attack what you say it will attack?
- ✓ Is there any evidence that the new BC agent will actually have a significant impact on the pest?



### Scope of RSPM 12:

Guidelines are intended to assist in drafting a petition for release of non-indigenous biological control agents of insect pests.

- ✓ identify key information to include in petition
- ✓ inform the NPPO of information gaps
- ✓ assist reviewers and regulators in assessing the risk of introductions



- 1. Proposed Action
- 2. Target Pest Information
- 3. Biological Control Agent Information
- 4. Host-Specificity Testing
- 5. Environmental and Economic Impacts of the Proposed Release
- 6. Post-Release Monitoring
- 7. Pre-Release Compliance





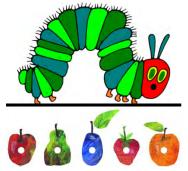
#### 1. Proposed Action

- ✓ purpose of release
- ✓ need for release
- who's going to what, when and where

#### 2. Target Pest Information

- √ taxonomy
- ✓ biology
- ✓ impacts
- ✓ distribution







- **Biological Control Agent Information** 
  - ✓ where was it collected
  - √ taxonomy
  - √ biology, impacts on target pest
  - ✓ past uses in BC









- 4. Host-Specificity Testing
  - ✓ selecting non-target list
  - ✓ quarantine testing
  - ✓ host data from around the world



- Peter Mason, AAFC, Ottawa, Canada
- Dave Gillespie, AAFC, Agassiz, British Columbia



- 5. Environmental and Economic Impacts of the Proposed Release
  - known impacts on pest, related non-targets, environment, humans
  - ✓ contingency plans





- 6. Post-Release Monitoring
  - ✓ establishment
  - √ spread
  - ✓ impacts-target/non-target





Bruce Gill, CFIA, Ottawa, Canada



- 7. Pre-Release Compliance
  - ✓ reference specimens
  - ✓ anticipated timing and location of first releases







# NAPPO BC EG 2014 Puerto Vallarta, Mexico





**THANK YOU!** 



Questions?? ¿Preguntas?

