



NAPPO

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

Regulations on the Release of Biological Control Agents in Canada

Thierry Poiré and Bruno Gallant
Canadian Food Inspection Agency (CFIA)

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Background

- The CFIA is Canada's National Plant Protection Organization as defined by the International Plant Protection Convention.
- The *Plant Protection Act* is the main legislative instrument which supports the delivery of the CFIA's plant protection program.
- Objective: To prevent the introduction and spread within Canada of plant pests, and to detect and control or eradicate plant pests in Canada.

Potentially Injurious Organisms (PIO)

- The CFIA regulates the import and handling of organisms that are or may be plant pests, or that may be contaminated with plant pests.
 - Plant pests include things that are injurious or potentially injurious, whether directly or indirectly, to plants (e.g., insects, mites, earthworms, snails, bacteria, fungi and viruses).
 - PIO policy directives soon to be published (D12-02 and D-12-03).
- PIOs are imported and handled in Canada for purposes such as for research, exhibition and education, as well for use as biological control agents (BCAs).

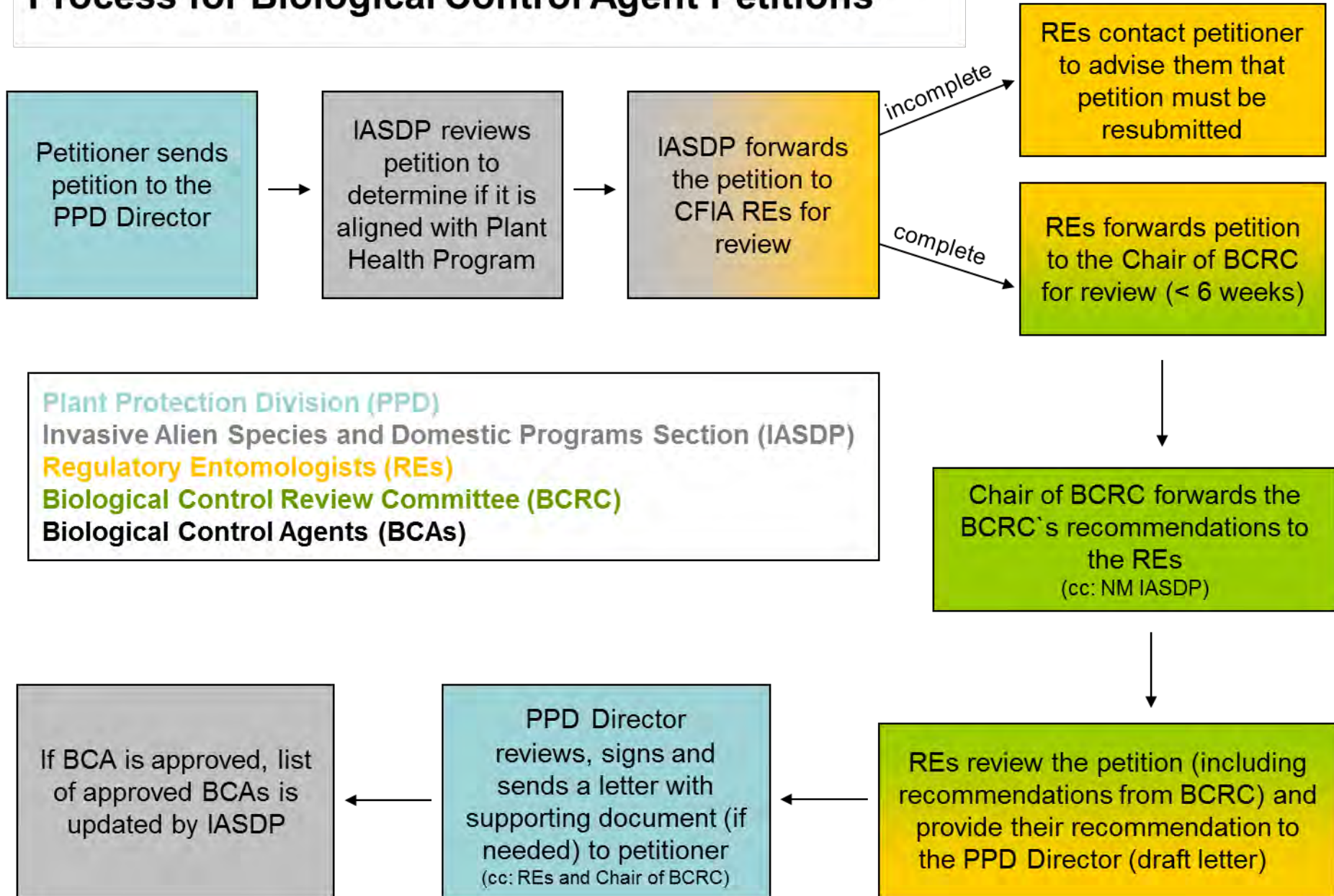
Biological Control Agents

- The CFIA regulates the import and release of BCAs into the Canadian environment to mitigate possible direct or indirect impacts on plant health.
- BCAs can be:
 - direct plant pests (e.g. insect feeding on a weed)
 - indirect plant pests (e.g. predator suppressing other predators)
 - infested with plant pests (e.g. predatory spider mites shipped with prey organisms)
- All non-indigenous BCAs require approval from the CFIA before their first release into the Canadian environment.

Biological Control Agents

- The process for authorizing the import and release of BCAs in Canada includes:
 - Completion and submission to the CFIA of an application for a permit to import.
 - Review and assessment of the application by the CFIA for a determination of plant protection requirements.
 - In the case of a proposed first release of a BCA, presentation of a formal request, or petition (content guided by NAPPO standards 7 or 12).

Process for Biological Control Agent Petitions



Approved BCAs

- Upon completion of the petition process, the import and release of the BCA is authorized with the issuance of a permit to import which sets out conditions.
- The CFIA publishes a list of arthropod BCAs from commercial sources which are approved for release in Canada (soon integrated into PIO import policy directive).
- BCAs approved for environmental release by the CFIA since 2012 include (e.g.):
 - *Lemophagus errabundus*, against lily leaf beetle (*Lilioceris liti*)
 - *Tetrastichus planipennisi*, against emerald ash borer (*Agrilus planipennis*)