



Agriculture and
Agri-Food Canada

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Canada



Pest Management Centre: Key Accomplishments

Agriculture and Agri-Food Canada's **Pest Management Centre** (PMC) was established in 2003 to help growers remain profitable and competitive and to help reduce the risk of pesticides to human health and the environment.

PMC works with Health Canada's Pest Management Regulatory Agency (PMRA) to deliver two programs:

- **Minor Use Pesticides Program (MUPP)** does the research trials and registration submissions to give growers access to the newest, safest pesticides to handle the pest control priorities that they have identified.
- **Pesticide Risk Reduction Program (PRRP)** develops and implements strategies that reduce pesticide use through biological controls and integrated approaches.

MINOR USE PESTICIDES PROGRAM (MUPP)

Under the MUPP partnership model, PMC matches crop and pest problems with solutions that will work for minor uses, establishes priorities supported by industry, conducts field trials and prepares submissions for new pesticide uses to PMRA. Here are some of the most important milestones over the first decade:



- 2003** First priority setting workshop brings together growers, grower associations, pesticide manufacturers and provincial specialists to prioritize and select projects for managing disease, weed and insect pests.
- 2004** First submission completed to register a minor use pesticide – for the control of Blossom Blight in coriander.
- 2005** First minor use pesticide registered – for the control of Pythium Root Rot in turf.
- 2008** MUPP extended through the federal-provincial-territorial agricultural policy framework *Growing Forward* (2008–2013).
- 2009** 250th submission completed to register a minor use pesticide.
- 2010** 500th new minor use of pesticides registered.
- 2011** First “A” Priority Without Solution (APWS) product registered for use, enabling growers to control two fungal diseases in lowbush blueberry.
- 2012** New pesticide residues analysis lab, established at Vineland Research and Innovation Centre, helps save time and money by accelerating the analysis of residues in crop samples collected from field research.
- 2013** More than 950 projects taken on and more than 1,200 new minor uses for pesticides registered.



RISK REDUCTION STRATEGIES AND INTEGRATED PEST MANAGEMENT (IPM) TOOLS

A Pesticide Risk Reduction Strategy is a detailed plan to reduce the risk to human health and the environment associated with pesticide use in agricultural crops. It includes the use of IPM tools. The most significant achievements under these areas are:



- 2006** Grasshopper identification booklet published to help growers identify pests and make informed pest management decisions.
- 2006** Screening trials test different potential products to address pest problems – where the pest is identified but with no known product/solution.
- 2007** Growers worldwide adopt PMC's Carrot Trimmer, a new technology that trims foliage in the field, reducing crop loss by 80%.
- 2008** Researchers use bumblebees as effective biopesticide delivery agents for greenhouse vegetables.
- 2010** Booklet published to help growers identify and manage Ascochyta Blight, a fungal disease in chickpeas.
- 2011** Canadian IPM science and technology highlighted at an international meeting of the Organisation for Economic Co-operation and Development.
- 2012** Biopesticide delivery by use of bumblebees registered – the first of its kind in the world; lowering labour and biopesticide costs for greenhouse growers.
- 2013** Fifteen Pesticide Risk Reduction Strategies created.

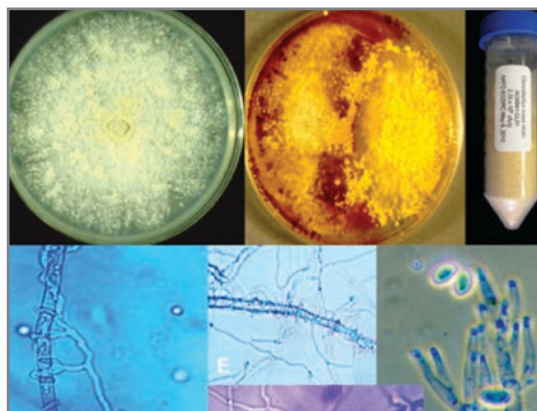


BIOPESTICIDES AND CROP PROFILES

PMC improves access to and promotes adoption of biopesticides – naturally occurring substances to control insects, weeds and plant diseases. The Centre also publishes crop profile documents, which have become the industry standard in identifying pest management challenges and solutions for key crops.



- 2004** First two national pest management crop profiles published – *Canadian Nursery Crop Profile for Field Production* and *Canadian Nursery Crop Profile for Container Production*.
- 2005** Biopesticides Initiative established to support the development, registration and implementation of biocontrols.
- 2006** First submission of a full biopesticide dossier to PMRA – paving the way for use of a new biocontrol in Canada.
- 2009** Fifteenth new biopesticide registration request submitted to PMRA.
- 2011** Canadian Horticulture Council (CHC) helps update crop profiles by coordinating input from members and provincial crop specialists about the occurrence of diseases, weeds and insects affecting crops and current control measures.
- 2012** Two hundredth new biopesticide use registered.
- 2013** Thirty crop profiles completed.



PARTNERSHIPS

PMC partners with PMRA, growers, provinces, researchers, American counterparts and registrants to bring crop protection tools, knowledge and support to Canadian growers.



- 2003** First set of data submitted to PMRA supporting the registration of new minor uses of pesticides to combat disease, weed and insect pests in horticultural crops.
- 2004** First Canada–United States joint submission to simultaneously register a new minor use of pesticide in both countries – for the control of Botrytis Blight in ginseng.
- 2007** First PMC-led joint project with its US counterpart.
- 2007** First PMC contribution to a Global Joint Review, an international committee that helps several countries concurrently evaluate active ingredients in pesticides.
- 2009** First Canada–US joint biopesticide trials and demonstrations.
- 2011** Crop Protection Products Initiative created under the Canada–US Regulatory Cooperation Council to help harmonize the registration of crop protection products between both countries.
- 2012** Partnership with Canadian Horticulture Council (CHC) coordinates a strategic approach to pest management research and outreach for the Spotted Wing Drosophila and the Brown Marmorated Stink Bug.
- 2013** Over 90 Canada–US joint regulatory submissions.
- 2013** Representatives from China, Brazil, Australia and New Zealand attend Priority Setting Workshop with an eye to implementing PMC’s collaboration model.



Pest Management Centre: Key Accomplishments
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Paru également en français sous le titre *Centre de la lutte antiparasitaire : principales réalisations*

For more information, reach us at www.agr.gc.ca or call us toll-free at 1-855-773-0241.