Minor Use Pesticide Program
Pest Management Centre

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Pest Management Centre’s Activities

• Who we are
• Pest Management Centre Activities
  - Pesticides Risk Reduction Program
  - Minor Use Pesticides Program
• International Collaborative Efforts
  - Joint work sharing with the U.S. IR-4 Project
  - Opportunities through International Collaboration
PMC’s Purpose and Vision

• The PMC uses scientific knowledge and expertise to improve pest management practices for the benefit of all Canadians and the environment. We respond to grower needs by providing specific pest management solutions that foster competitiveness, sustainable crop production and environmental stewardship.

• PMC vision:
  – An internationally recognized centre of excellence and catalyst for innovation and competitiveness, dedicated to sustainable pest management.
Program support has led to:

- Increased availability and access to new, innovative IPM tools and practices:
  - Decision making systems
  - Cultural management methods
  - Resistant cultivars
  - Integrated crop management approaches
  - Improved spray technology

- Increased availability of new control products & technology:
  - By providing regulatory support for registration of Biologicals & biopesticides
Program support has led to:

Dissemination of information through:

- Field demonstrations
- Pest identification/diagnostic field guides
- Extension publications/manuals & web resources
- Factsheets
- Grower Workshops / field tours
What is a Minor Use?

In Canada a “minor use pesticide” is defined a pesticide use for which the anticipated volume of sales is not high enough for a manufacturer to justify the costs to register and sell the product in Canada.

Canada accounts for less than 3% of world pesticide sales.

Canada accounts for less than .06% of world minor use pesticide sales.
Elements of a Successful Model

- **Grassroots/business motivate change:**
  - Leadership from private sector to educate, and demonstrate need

- **Policy Decision:**
  - Decision-makers - recognition of public policy need to resolve issue
  - Demonstrate the public benefits increased Government role.

- **Budget:**
  - Adequate spending authorities to prioritize, initialize and implement grower-selected solutions.
  - Budget is targeted for Minor Use work and regulatory body for evaluation and regulatory decision.
    (example; PMC and PMRA)

- **Professional Staff**
  - Placement of highly specialized, highly skilled & highly motivated personnel.

- **Identify and utilize partnerships expertise:**
  - Maximize public and non-public sector potential, achieve stakeholder buy-in

- **Tangible Results – linked to Government Strategic Outcomes**
  - Achieving realistic targets, continual re-evaluation of better ways to achieve results

- **Governance / Accountability to stakeholders, taxpayers, AND, partners**
  - Joint Management Committee (example PMC/PMRA/TB)
  - Advisory Committee, Technical Working Groups

- **Outreach** activities/regular dialogue with growers
Elements of a Successful Model

Trabalho de base / oportunidade de negócios motivam mudanças:
• Liderança do setor privado para educar e demonstrar requerimentos

Decisão política:
• Os tomadores de decisão - reconhecimento de necessidades de política pública para resolver questões.
• Demonstrar os benefícios públicos - aumento do papel do governo.

Orçamento:
• Autoridades para gastos adequados para priorizar, inicializar e implementar prioridades selecionadas pelos produtores.
• Orçamento é direcionado para o trabalho para culturas de suporte fitossanitário insuficiente e órgão regulador para a avaliação e emissão de parecer normativo (CMPP e Ministério da Saúde).

Equipe profissional
• Engajamento de pessoal altamente especializados, qualificados e motivados.

Identificar e utilizar experiência e conhecimentos de parceiros:
• Maximizar o potencial dos setores público e privado, ganhar confiança e apoio das partes interessadas

Resultados tangíveis – em suporte ao planejamento estratégico do governo
• Atingir metas realistas, reavaliar atividades e direções afim de buscar melhores formas para alcançar resultados

Governança / responsabilidade dos acionistas, dos contribuintes, e, parceiros
• Comitê de Gestão Mista (exemplo CMPP/Minisatério da Saúde/Conselho do Tesouro Nacional)
• Comitê Consultivo, Grupos de Trabalho Técnico

Atividades de extensão / diálogo regular com os produtores
Partnerships

**PMC:**
- Facilitates priority setting process
- Carries out field trials
- Write submissions

**IR-4:**
- Work with PMC to facilitate North American Registrations

**Provinces:**
- Coordinate regional Grower needs
- Make emergency and Provincial MU submissions

**Companies:**
- Develops new technologies
- Determines product eligibility based on market

**AAFC Researchers:**
- Conduct Research on grower priorities
- Compile data supporting new MU submissions

**Growers:**
- Demonstrate needs
- Choose priorities

**PMRA:**
- Federal regulator
- Determines data requirements
- Reviews submissions
Parcerias

**CMPP:**
- Laboratórios, campos experimentais, facilitação da oficina de priorização
- Conduz ensaios de campo
- Prepara documentos para registro do uso de agrotóxicos

**IR-4:**
- Colabora com o CMPP facilitando registro simultâneo nos dois países

**Indústria de agrotóxicos:**
- Desenvolvem novas tecnologias
- Determinam exequibilidade baseado no mercado

**Províncias:**
- Coordenam com produtores carências de agrotóxicos
- Preparam documentos para registro de urgência e outras submissões

**Ministério da Saúde:**
- Regulamenta o uso
- Determina requirements
- Avalia documentos e emite parecer

**Pesquisadores:**
- Investigam requerimentos dos produtores para controle de pestes e pragas

**Produtores:**
- Informam sobre a necessidades de agrotóxicos
- Priorizam projetos para registro do uso de agrotóxicos
Although the roles of the PMC are quite different than those of HC’s PMRA, we work closely together.

**PMC Roles**

- Work with stakeholders to identify key pest management issues
- Generate data and regulatory submissions for new minor uses
- Implement projects which will enhance environmental stewardship
- Improve access to pesticides to help growers compete in global and markets
- By providing field & lab data contributes to regulatory policy decisions / changes

**Pest Management Regulatory Agency Roles**

- Federal regulator and registrar of pesticides
- Develops, delivers and enforces federal pesticide policies and guidelines
- Evaluates pesticide registration proposals
- Promotes sustainable pest management
- Looks to improve regulatory process to improve efficiency
Apesar do papel do CMPP e do Ministério da Saúde serem distintos nós trabalhamos juntos.

Função do CMPP

- Trabalhar com as partes interessadas para identificar os problemas de manejo das pestes e pragas mais importantes;
- Gerar dados e preparar documentos para registro do uso de agrotóxicos;
- Implementar projetos tendo em consideração o meio ambiente
- Melhorar o acesso dos produtores ao uso de agrotóxicos visando maior competitividade no mercado global;
- Contribui para decisões nos regulamentos

Função do Ministério da Saúde (Agência de regulamentação do controle de pestes e pragas)

- Agência de regulamentação federal, desenvolve regulamentos e monitora o uso de agrotóxicos
- Avalia documentos e emite parecer
- Promove o manejo sustentável de pragas e pestes
- Trabalha para melhorar o processo regulatório e eficiência
Minor Use Registration Process

Input from:
- industry
- growers
- provinces
- stakeholders
- others

AAFC
- Identification of needs
- Prioritization
- Pre-Submission Request
- Data Collection
- Data Generation
  - Field Trials
  - Lab Analysis
- Submission Packages To PMRA

PMRA
- Identification of data Requirements (DACO)
- Review
- Regulatory decision
- Registration
- Product availability
Contribuição:
- Indústria
- Produtores
- Províncias
- Partes interessadas

AAFC

**Pestes e pragas identificados**

**Priorização**

Compilação de dados existentes referentes ao uso dos agrotóxicos priorizados e preparo de relatório para avaliação da agência reguladora.

**Geração de dados**

- Ensaios no campo
- Análises de resíduos de pesticidas

Documentos pleiteando registro do uso agrotóxico priorizado

Ministério da Saúde (Agência de regulamentação do controle de pestes e pragas)

Requerimentos (dados) para registro do uso dos pesticidas priorizados

**Avaliação**

**Parecer normativo**

Registro

**Produto disponível ao agricultor**
Minor Use Priority Selection

• 2012 was the 10th Annual Priority Setting Workshop
• 44 grower-chosen priorities selected
• PMC collecting data and preparing Pre-submission requests
• Trials will begin during 2013 growing season
AAFC Research Centres involved in Minor Use Field trials
Achievements
2003 - 2012

- 821 projects undertaken + 45 new projects from 2012 Workshop
- 427 projects completed and submitted to PMRA & Registrants
- 272 Registrations
- Over 949 new uses
- Most recent projects submitted to PMRA:
  - 2007-2008  49
  - 2008-2009  45
  - 2009-2010  76 (includes backlog)
  - 2010-2011  83 (includes backlog)
  - 2011-2012  62 (includes backlog)
Canada - US Partnership Model

• PMC
  – AAFC funded including MU Program for PMRA
  – Consultations with Prov. Minor Use Coordinators, Grower Groups and Manufacturers
  – Priority Setting Workshop (March)
  – Planning Meeting (January)
  – Field Trials at 9 GLP AAFC Research Centers and private contractors and Universities
  – Located in 4 Regions
    • Western (2)
    • Prairies (1)
    • Central (4)
    • Atlantic (2)
  – AAFC-PMC lab

• IR-4
  – USDA and Industry Funding
  – Consultations with Regional Field Coordinators, Grower Groups and Manufacturers
  – Food Use Workshop (September)
  – Ornamental Workshop (October)
  – Research Planning Meeting (October)
  – Field Research Centers (Land Grant Universities- 4); State Field Research Centres/Food Use – 23; USDA-ARS field research Centres -7; private contractors
  – Located in 4 Regions
    • Northeast (NY)
    • North Central (MI)
    • Western (CA)
    • Southern (FL)
  – Regional Labs and Satellite Labs
Harmonization

• PMC works closely with the U.S.D.A. IR-4 Project to maximize harmonized pesticide tolerances for the U.S. and Canada.

• Cooperation with IR-4 through joint projects leads to significant resource savings
  – Reduction on the number of field trials conducted & lab analysis trials and shorter time frame for submission and registration by using the Joint Review stream.
  – Regulatory decisions for new uses at approximately the same time – benefiting growers on both sides of the border
  – Harmonized tolerances/Maximum Residue Limits (MRLs) helps remove trade barriers.

• Use of crop groupings which allow registration on more crops within a group.

• More than 87 new uses registered from the joint PMC/IR-4 projects.

• Invasive Species: Joint efforts with Federal Authorities and researchers to find solutions (chemical and integrated) to 2 devastating pests: Brown Marmorated Stink Bug and Spotted Wing Drosophila

• Memorandum of Understanding (MOU) between IR-4 and AAFC/PMC
At the International level:

Minor Use Program:

- Participation in the Global Residue Studies (tomato and blueberry), validation of CG (e.g. CG8)
- Collaboration with PMRA, provinces, other countries and international organizations via CODEX and the OECD Pesticides Forum (OECD Expert Group on MU) to establish global harmonized MRLs and to work towards acceptance of global data.
- Participation on the Organizing Committee and Advisory Committee for the Global Minor Use Summit II

Risk Reduction Program:

- Participation in the OECD IPM Workshop on behalf of AAFC (October 2011 in Berlin) and drafting of recommendations to the OECD.
- Involved in international efforts related to IPM measurement
- Organization of mini-symposium involving three countries at 7th IPM Symposium March 2012 in Memphis
- Maintains connection with US IPM Centers, IR-4 Biopesticides program (part of proposal review committee), CABI and BPIA
Governance - PMC’s JMC and Advisory Groups

• **Joint Management Committee with PMRA**
  - Funding provided by AAFC to HC’s Pest Management Regulatory Agency (PMRA) based on approved work plans and performance indicators related to minor uses, tech gap and global joint reviews.

• **PMC Advisory Committee**
  - Provides broad, strategic-level and independent external advice to the Executive Director of the PMC.
  - Consists of grower groups, registrants, produce marketing (importers/exporters), consumers and food product manufacturers.

• **Minor Use Pesticides and Pesticide Risk Reduction TWGs**
  - Members include representation from growers, the provinces, registrants, academia and other specialists.

• **Looks to improve regulatory process to improve efficiency**
Communications

• Website
  – By monthly updates
  – WEB SITE: WWW.AGR.GC.CA/PRRMUP

• Newsletter
  – Quarterly updates
  – Distributed through List Server and grower organizations

• List Serv
  – Each time a Minor Use project is registered / labelled
  – Each time a Risk Reduction fact sheet is completed / published or a Risk Reduction project is completed
  – PMC-CLA-L-subscribe-request@www.agr.ca
The Way Forward

• Be available to countries who wish to establish MU programs like in the US (IR-4) and in Canada (PMC).

• Increase number of joint projects with IR-4 and other country MU programs.

• Enhance relations with Registrants to encourage partnership early in the development process of new actives for minor uses / specialty crops.

• Work under the Regulatory Cooperation Council to facilitate equal access to products and uses in Canada and the US, and align MRLs wherever possible in order to avoid technology gaps
  – Identifying mechanisms to encourage applications for joint reviews that include increased number of minor uses
  – Potential for more Canada/U.S. cooperation on joint work to collect data and evaluate regulatory submissions

• Cooperation with Brazil
PMC-ANVISA Memorandum of Understanding

PURPOSE: To promote collaboration to generate data and prepare regulatory submissions, to enhance efficiency and maximize cost effectiveness by coordinating the generation and sharing of data for regulatory submissions of new minor uses of pesticides

The Participants will:
(a) Identify pest management needs common to both countries;
(b) Participate to priority setting workshops, conference calls, and meetings where and when top pest priorities are identified;
(c) Select joint priority projects, determine regulatory requirements, conduct trials in both countries for the generation of data to meet regulatory requirements or demonstration to growers,
(d) Share information including regulatory data, study plans, pesticide screening results, pesticide residue analysis protocols, standard operating procedures, and other information deemed necessary to affect the registration of new minor uses of pesticides in either country;
(e) Work jointly to harmonize simultaneous pesticide registration in both countries.
MEMORANDO DE ENTENDIMENTO ANVISA e MINISTÉRIO DA AGRICULTURA E AGRO-ALIMENTAR DO CANADÁ

Objetivo: estabelecer os parâmetros do trabalho de colaboração entre os participantes visando um maior acesso do produtor de culturas de suporte fitosanitário insuficiente a novos usos de agrotóxicos para combater pragas prioritárias comuns ao Brasil e ao Canadá.

• Os participantes concordam em:
  • (A) Identificar as carências de agrotóxicos para combater pestes e pragas comuns a ambos os países;
  • (B) Participar de oficinas de trabalho, teleconferências, e reuniões para priorizar pestes e pragas para culturas de suporte fitosanitário insuficiente;
  • (C) Selecionar projetos que respondam a prioridades comuns aos dois países, determinar os requisitos normativos necessários, realizar ensaios em ambos os países para a geração de dados para atender às exigências regulamentares ou para demonstração do uso e valor agro nômico aos produtores;
  • (D) Compartilhar informações, incluindo dados de eficácia agronômica e de tolerância das culturas em que se pleiteia o uso do agrotóxico bem como o teor de resíduos do agrotóxico após sua aplicação, planos de estudo, protocolos de análise de resíduos de pesticidas, procedimentos operacionais padrões e outras informações consideradas necessárias para o registro de novos usos de agrotóxicos em culturas de suporte fitosanitário insuficiente;
  • (E) Trabalhar em conjunto para harmonizar o registro simultâneo do uso de agrotóxicos em culturas de suporte fitosanitário insuficiente nos dois países.
SPECIAL INVITATION

WEB SITE: WWW.AGR.GC.CA/PRRMUP
SITE WEB: WWW.AGR.GC.CA/PPELRRP

LIST SERVER/SERVEUR DE LISTE :
PMC-CLA-L-subscribe-request@www.agr.ca


THANK YOU!