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safety... our priority.*

*Votre santé et votre  
sécurité... notre priorité.*

# Pest Management Regulatory Agency Federal Pesticide Regulation

Standing Committee on Social Policy  
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## Health Canada Pest Management Regulatory Agency (PMRA)

- Health Canada's priorities are the health and safety of Canadians and their food supply, this primary mandate is applied when approving pesticides for use in Canada
- Primary objective under the *Pest Control Products Act* is to prevent unacceptable risks to people and the environment from the use of pest control products [s.4(1)]
- Enable users to access pest management tools:
  - **pest control products**
  - **sustainable pest management strategies**



# Distribution of Responsibilities

## Federal

- Pesticide registration /re-evaluation
- Health, Environment, Value - Assessments
- Compliance and Enforcement
- Sustainable strategies
  - Agricultural
  - Urban
  - Other

## Provincial

- Transportation, sale, use, storage, Disposal
- Training, Certification, Licensing
- Regulate for further conditions on use

## Municipality

- Bylaws for further conditions on use (where authority exists)



## Federal Responsibilities

- Regulate all pest control products imported into, or sold or used in Canada – under the *Pest Control Products Act*
- Pre-market review (scientific assessment)
- Post-registration compliance/monitoring
- Re-evaluation (scientific assessment every 15 years)



## Pre-market Assessment

- Acceptable risks defined [s. 2(2)]:  
Reasonable certainty of no harm
  - to health, future generations, environment
  - from use or exposure
  - when used according to directions



# Pre-market Assessment

- Over 200 studies required for registering a new pesticide
- Health Assessment
  - Toxicological evaluation
  - Occupational & bystander exposure assessment
  - Food residue exposure assessment
- Environmental Assessment
  - Environmental toxicology
  - Environmental chemistry and fate
- Value Assessment
  - Efficacy
  - Competitiveness
  - Sustainability



## Scientific Approach

- Decision framework based on assessment and management of risks
  - Identification of hazards
  - Identify sources
  - What activities create exposure?
  - What is the magnitude of risk?
  - Interaction with other jurisdictions, bodies
  - Consultation





## Scientific Approach

- Strong reliance on comprehensive body of scientific evidence and scientific methods
- Reflects approaches of other regulatory bodies
- Systematic application of science to support regulatory decisions
- Large number of in-house qualified scientists with a wide range of expertise (approximately 350 scientists)



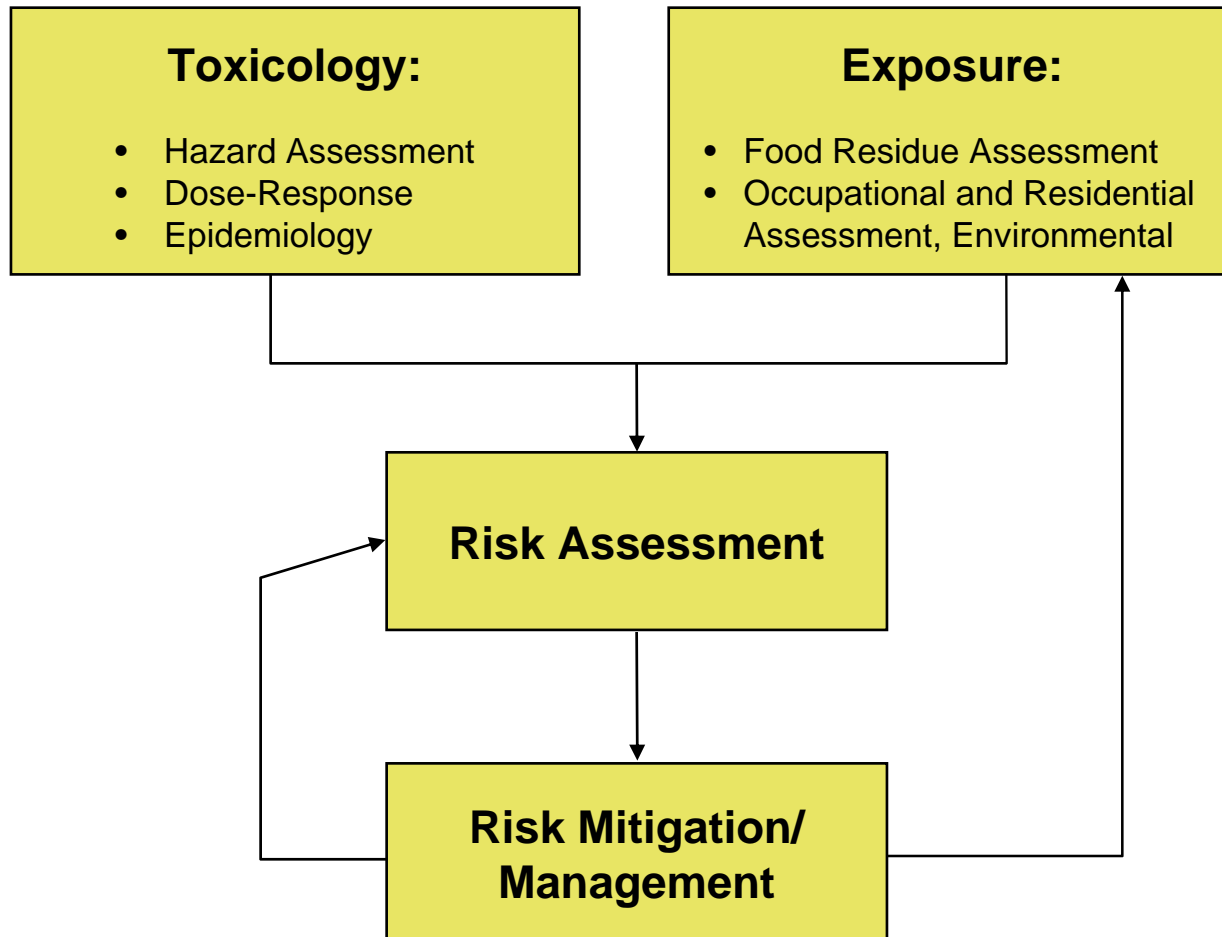


## Scientific Approach

- Data requirements: scientific studies required in order to assess hazards and risks to health and environment.
- OECD test guidelines for study protocols.



# Risk Assessment Paradigm



# Sustainable Urban Pest Management

- Healthy Lawns Strategy
- Product re-evaluation
  - **Priority re-evaluation of most common active ingredients used in lawn and turf care**



## Healthy Lawns Strategy

- To reduce reliance on pesticide use for lawn care through:
  - **the application of Integrated Pest Management (IPM) principles**
  - **emphasis on pest prevention**
  - **application of pesticides only when necessary**



## Re-evaluation

- Commitment in 2000 to review 401 pesticide active ingredients registered prior to 1995
- As of April, 2008 – have addressed 285 of the 401 actives
- Target date for completion of 2008-09
- Under the *PCPA* actives will require re-evaluation every 15 years



## Priority Re-evaluation

- Priority re-evaluation of the most common active ingredients used in lawn and turf care:
  - **Insecticides – chlorpyrifos, diazinon, carbaryl and malathion**
  - **Herbicides – 2,4-D, MCPA, dicamba, mecoprop**



## Re-evaluation Status

- Reviews of chlorpyrifos, diazinon and malathion have been completed, carbaryl is scheduled for 2008
- Review of mecoprop has been completed
- Re-evaluation of the lawn and turf uses of 2,4-D was conducted in 2005 (PACR 2005-01). Re-evaluation decision document was published on May 16, 2008 (RVD2008-11).
- Re-evaluation of the lawn and turf uses of MCPA was conducted in 2006(PACR 2006-05). Re-evaluation decision document was published on May 22, 2008 (RVD2008-20)
- Re-evaluation of the lawn and turf uses of dicamba has been conducted (PACR 2007-02)



# *Pest Control Products Act*

- New *PCPA* came into force June 28, 2006
- Fundamentally, the new *PCPA*:
  - Strengthens the health and environmental protection
  - Makes the registration system more transparent
  - Strengthens the post-registration controls on pesticides





## ***Pest Control Products Act***

- Strengthens health & environmental protection
  - Current practices now codified
    - e.g., sub-group sensitivities, aggregate exposure, cumulative effects



## Regulations under the New PCPA

- List of Formulants and Contaminants of Health or Environmental Concern
- Revised Pest Control Products Regulations
- Sales Information Reporting Regulations
- Incident Reporting Regulations



## ***Pest Control Products Act***

- More transparent registration system
  - Mandatory public consultation
  - Electronic Public Registry
  - Public may inspect test data
  - Public may file objections to major registration decisions



## ***Pest Control Products Act***

- Strengthened post-registration controls
  - Re-evaluation
  - New Provisions
  - New Offenses and Required Duties
  - Increased Fines and New Punishments



## Key Messages

- Canadians should use pesticides judiciously, carefully follow label directions, and take measures to become better informed about their safe and effective use
- Pesticides registered in Canada, for agricultural, forestry, structural and lawn and garden uses must all meet the same health and safety standards
- Health Canada is confident that the pesticides approved for use in Canada, including lawn and garden products, can be used safely when label directions are followed.



## Key Messages Cont'd

- Before approving a pesticide, Health Canada critically examines the totality of the scientific information available
- Information on pests and pest control methods are available from relevant provincial ministries as well as our web site. We recommend that Canadians who are experiencing a pest problem take measures to become better informed regarding various control options, including preventative measures.



## Contact Us

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- Questions?
- Comments

