



NAFTA Technical Working Group on Pesticides
Grupo de Trabajo Técnico del TLCAN sobre Plaguicidas
Le groupe de travail technique de l'ALENA sur les pesticides

PROJECT SHEET

SUBCOMMITTEE: Risk Reduction

PROJECT TITLE: **Implementation of Pesticide Resistance Management Labelling**

PROJECT ID: RR03-02-1105

PROJECT TEAM: Canada: Pierre Beauchamp (Lead)
United States: Sharlene Matten

INITIATION: April 1, 2002

UPDATE: June 2006

GOAL: To implement and update as needed the guidelines for voluntary pesticide resistance management labelling in North America. Implementation of the guidelines across North America will help reduce the development of pesticide resistance by providing consistency in resistance management labelling for commercially registered product and all products being considered for approval in any or all of the NAFTA countries.

PROJECT DESCRIPTION:

To develop a procedure to update Health Canada's Pest Management Regulatory Agency (PMRA) and the United States Environmental Protection Agency (EPA) guidelines for pesticide resistance management as needed. The procedure will provide a process to add new active ingredients registered for use in North America to the modes of action groups tables published in the guideline by the registering country or countries. To develop a procedure for gradual implementation of pesticide resistance management labelling on all commercial pesticides.

The document will provide schemes of classification of pesticides according to their modes/sites of action and a standard format for the three countries showing group identification symbols on the end-use product labels, and provide guidelines for labelling resistance management strategies in the use directions. The guidelines will establish a harmonized North American approach in pesticide resistance management labelling.

BACKGROUND/RATIONALE:

The management of pesticide resistance development is an important part of sustainable pest management and this, in conjunction with alternative pest management strategies and integrated pest management programs, can make significant contributions to reducing risks to humans and the environment. In support of this goal, guidelines on resistance management labelling were published in October 1999 (PMRA) and June 2001 (EPA).

The goal of these guidelines is to prevent the loss of pesticides effectiveness due to the development of resistance by pests. When pesticides resistance occurs, users may increase rates and frequency of application in an attempt to maintain effectiveness of the products; this approach can lead to the complete loss of effectiveness of the product and increased exposure to the pesticide. Integrated pest management systems, which use all available techniques to control pests in an economically and environmentally sound manner, can be compromised by a reduction in the availability of tools or by the use of higher rates that could adversely impact non-target organisms. By rotating pesticides with different modes of action, and limiting the total number of application of pesticides from a given group, it is hoped to manage the development of resistance without resorting to increased rates and frequency of application and to prolong the useful life of pesticides.

In order to be effective, the guidelines must be kept current to ensure that they provide up-to-date information on new active ingredients and mode of action groups. Equally important, this information must be incorporated on all labels of commercially registered pesticides in order to be available to the users and other interested groups.

A North American process is needed to ensure:

- timely and consistent updating of PMRA and EPA guidelines; and
- incorporation of consistent resistance management statements into the labels of commercial products.

WORK PLAN

SUBCOMMITTEE: Risk Reduction

PROJECT TITLE: Pesticide Resistance Management Labelling

UPDATE: October 2005

GOAL	ACTIVITIES	TIME FRAME
The PMRA and EPA to agree on a common procedure for update and implementation.	Meeting to discuss the procedure and update	March 27, 2002 Completed
	Circulate draft procedure to both agencies for comments	September 2002 Completed
Complete 1 st update of respective mode of action tables on the Web.	Establish contacts and a consultation process with the various industry resistance management groups (HRAC, IRAC, FRAC)	June 2002 Completed
	Finalize 1 st update of the mode of action tables in collaboration with IRAC, HRAC, and FRAC and standardize the various lists. Still negotiating with FRAC regarding an acceptable approach to Group U (unknown mode of action for fungicides).	October 2004 (PMRA) Completed January 2006 (EPA)
	Update tables on respective websites	January 2007 (PMRA) January 2006 (EPA)
	PMRA/EPA to send Mexico CICOPLAFEST a copy of the 1 st update for information/comments	January 2004 Completed
Training	Finalize working procedure and make presentation to respective agencies personnel who will be involved in their application	June 1, 2002 (PMRA) Completed Ongoing (EPA)