



Division VI – Chemistry & the Environment Projects 2003-011 & 2001-022

Pesticide Active Ingredients: information bases

INTRODUCTION

Basic physical/chemical data on pesticide active ingredient molecules is critical to predicting their behavior in the environment but the availability and quality of data for many compounds is limited. Two IUPAC Division VI projects address this problem.

Project 2001-022-1-600 - **Global availability of information on agrochemicals** is a Division VI project.

Project 2003-011-3-600 - **A critical compendium of pesticide physical chemistry data** a joint project with the Analytical Chemistry Division, and is the subject of another poster in this display.

Both of these projects utilize **voluntary data evaluation and submission** by a global network of interested experts. There is considerable overlap and cooperation between the two projects.

PROJECT OBJECTIVES

The “Global Information” Project will be primarily an internet web project using IUPAC web resources and also collaborating and contributing to the **FAO/IAEA INFOCRIS** project—a project with similar objectives but a wider subject matter.

The “Critical Compendium” will be oriented to print media for presentation of detailed tabular information. However, web resources will be used to assemble the data.

Both Projects are interested in obtaining **authoritative** data on pesticide properties including the following:

- aqueous and other solubility
- vapor pressure
- soil organic matter sorption coefficient
- persistence data
- octanol/water partition coefficient
- acid/base dissociation constants

PROJECT TASK GROUPS

GLOBAL INFORMATION

Chair: J. Unsworth

Members: K. Bodnaruk, E. Carazo, A.S. Felsot, I. Ferris, C.A. Harris, P. Holland, H.-D. Jungblut, A. Katayama, Y.-H. Kim, G. Kleter, J. Linders, J. Outram, R. Parker, K.D. Racke, B. Rubin, G.R. Stephenson, K. Tanaka, D. Wauchope

CRITICAL COMPENDIUM

Co-Chairs: D. Shaw, D. Wauchope

Members: Robert Eganhouse, Zev Gerstl, Forrest Getzen, Kenneth Racke, Mark Salomon, James Sangster

METHODOLOGY

Anyone with interest, expertise, and access to relevant data is welcome and needed to move these ambitious projects forward. Both projects assign compounds and/or parameters to individuals who develop the information, review it critically and contribute it to the project information base. Contact the Chairs (see below) or any member for more information. See also the INFOCRIS website.

FURTHER INFORMATION

GLOBAL INFORMATION / INFOCRIS

<http://www.iupac.org/projects/2001/2001-022-1-600.html>
<http://www-infocris.iaea.org/>

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CRITICAL COMPENDIUM

<http://www.iupac.org/projects/2003/2003-011-3-600.html>

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