



CSIRO

# PIRI WORKSHOP



## PESTICIDE IMPACT RATING INDEX WORKSHOP

*presented by CSIRO Mathematical and Information Sciences and CSIRO Land and Water*

### One day workshop

*There is widespread concern about the off-site effects of pesticides particularly to our waterways and groundwater. This can lead to unintended adverse impact on non-target organisms. The off-site impact of the pesticides depends on many factors, including the chemistry and toxicity of the pesticide, the amount and frequency of their application, soil types, climatic conditions, and farm management practices. The threat is dependent on the off-site migration of each pesticide applied to a particular land use. These concepts have been encapsulated in PIRI, (Pesticide Impact Rating Index), a tool for assessing these impacts, developed and packaged by CSIRO.*

*The PIRI workshops present a description of PIRI concepts. Participants are given hands on experience with PIRI to become familiar in using their own field data to assess risk. They can explore the use of alternative pesticides and application rates under expert tuition.*

### Possible Presenters

#### Dr Ray Correll

Ray Correll is a well-known environmental statistician with a specialty in environmental risk assessment. He had significant input into the formulation of the algorithms that are incorporated in PIRI.

#### Mrs Ros Miller

Ros Miller is a statistician with a strong computing background. She has not only provided the computing support for the project but has contributed to the concepts contained in PIRI.

#### Ms Danni Oliver

Danni Oliver is an environmental chemist who has particular expertise in organic contaminants. She has had experience in the application of PIRI over a range of sites and has contributed to its design.



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## Program

### Presentation 1

#### Introduction to environmental risk assessment

- Fundamentals of pesticide chemistry
- PIRI structure and conceptual overview
- Validation of PIRI for surface water migration

Case study: Use of PIRI as a tool for assessing impact on particular land uses.

### Tutorial

- Installation of PIRI
- How to obtain visual impact comparisons with your own data

### Presentation 2

- Interspecies and other extrapolations
- Future developments

## Who should attend

- Catchment managers
- Land use planners
- Chemical industry staff
- Local Government staff
- Academics

## Possible Venue

**Meeting Room 1**, Plant Research Centre, Waite Campus, Urrbrae. Access via Entrance 2C, Hartley Grove Road (off Waite Road).

## What to bring

If possible

- a laptop computer with a CD reader
- Your own data (see the pdf presentation at <http://www.cmis.csiro.au/Envir/Research/PesticideRisk>)

## What will be achieved

The workshop will give participants

- An introduction to ecological risk assessment
- An understanding of the factors that affect pesticide migration
- A working version of PIRI, including PIRI help files.
- An ability to undertake first tier risk assessments of the potential off-site effects of pesticides.

## Further Information

Further information can be obtained from

- PIRI website: <http://www.cmis.csiro.au/Envir/Research/PesticideRisk>
- Anne Boutros, CMIS, Ph (08) 8303 8764.



## Expression of interest

Name (Dr/Mr/Mrs/Ms).....Organisation.....

Address .....

Telephone (Bus) ..... (Mob) ..... Email .....

## Payment

The first workshop was offered at a special introductory rate of \$330. The payment included a license to use PIRI, morning and afternoon tea, a light lunch and \$30 GST.

Signature: .....

Please fax this registration form to +61 8 83038763