

FOCUS DEGRADATION KINETICS

Computer modelling and simulation training

2nd - 3rd May 2007

Degradation rates of active substances and their metabolites in the environment are among the most important parameters for assessing environmental exposure as well as potential to move to groundwater, for the purpose of the registration of crop protection products in the EU under Directive 91/414/EC. The harmonisation of degradation kinetics has been reviewed and is documented in the new **FOCUS Guidance Document on Estimating Persistence and Degradation Kinetics from Environmental Fate Studies on Pesticides in EU Registration** which can be found at <http://viso.jrc.it/focus/dk/docs/finalreportFOCDegKin04June06linked.pdf>

This two day training course is designed to introduce the new FOCUS guidance document and highlight the impacts on the registration process. The course is tailored to address the modelling issues associated with the new FOCUS degradation kinetics requirements for EU registration.

Course material will include:

- Existing guidance on experimental laboratory and field degradation studies
- 91/414/EC regulatory endpoints
- An overview of the new FOCUS degradation kinetics guidance document
- Data handling
- Types of kinetic models used
- General recommendations
- Deriving endpoints for parent compounds
- Deriving endpoints for metabolites
- Normalisation of field dissipation half lives
- Water sediment studies
- Application of kinetic endpoints in regulatory assessments
- Guidelines for reporting degradation kinetic analyses
- Two case studies:
 - Day 1: Use of the KinGUI model
 - Day 2: Using ModelMaker4.0 to analyse laboratory and field data sets.

Who should attend?

Individuals who work in environmental fate or exposure modelling of plant protection products
Regulators who review plant protection product dossiers
Regulatory managers wanting to learn how this new guidance will affect their submissions

Course supervisors

Dr Dieter Schaefer (Bayer CropScience)

Dieter's background is in environmental sciences, and in soil science in particular. He has nine years of experience in the agrochemical industry, where he works on environmental exposure and risk assessments of pesticides with the help of modelling tools. This includes standard and higher-tier exposure modelling, kinetic modelling, and probabilistic risk assessments. Dieter was closely involved in the FOCUS Kinetics Workgroup and in the development of the KinGUI kinetic evaluation software.

Dr Oliver Price (Cambridge Environmental Assessments)

Oliver has a background in exposure modelling and environmental fate of plant protection products. His area of expertise includes geostatistical analysis, kinetic analysis, exposure modelling and probabilistic risk assessments. Oliver specialises in higher-tier modelling of pesticide losses to ground and surface waters and has extensive expertise in the parameterisation of regulatory models including MACRO, PEARL, PRZM, PELMO, EXAMS and TOXSWA. He has a strong background into the soil processes that influence the fate and behaviour of chemicals in the environment.

Dr Adrian Terry (Cambridge Environmental Assessments)

Initially from an organic chemistry, molecular biology and natural product discovery background in the agrochemical industry, Adrian has more than ten years experience in environmental chemistry and environmental fate of pesticides. In CEA, Adrian has a key role in working with clients to develop strategies for higher-tier exposure and risk assessments for Plant Protection Products undergoing development or re-registration. Areas of particular expertise include lysimeter studies, environmental risk assessment and product regulatory advocacy.

Venue/Fees

The course will be held at Cambridge Environmental Assessments, near the university city of Cambridge. The course fee is 1250 GBP per person, to include one nights accomodation, an evening meal and two lunches.

Reservations

The number of places on the course will be limited to 20, to reserve your place please contact Simon Ford (Cambridge Environmental Assessments) before 12th April 2007.

Email: simon.ford@cea-res.co.uk

Telephone: +44 (0) 1954 268 227

Registration form

Please complete the below registration form and send to Simon.Ford@cea-res.co.uk

Surname:

First name:

Position:

Title (Prof., Dr., or other):

Company/Organisation:

Name & affiliation to appear on badge:

Department:

Address:

City/town:

Country:

Postal code:

Telephone:

(Including country area code)

Telefax:

(Including country area code)

E-mail:

Invoice address (address on invoice):

Special dietary requirements – if any:

PAYMENT - Payment must be in GBP

(Please, indicate the preferred mode of payment.)

Wire transfer

Bank of Scotland
Beaucler House
3 Queens Road
Reading
RG3 4AR

For UK payments:

Sort Code: 12-18-05
Account Number: 00117588

For non-UK payments:

Swift Code: BOFSGB21378
IBAN GB24 BOFS 1218 0500 1175 88

Cheque

Made payable to ADAS UK Ltd and sent to Simon Ford, Cambridge Environmental Assessments,
Battlegate Road, Boxworth, Cambridgeshire, CB23 4NN,